

LVM

File Systems

/home
(ext3)

/data
(xfs)

Logical Volume (LV)

/dev/primary_vg/home_lv

/dev/primary_vg/data_lv

Volume Groups (VG)

primary_vg

Physical Volumes

/dev/sdb1

/dev/sdb2

/dev/sdc1

/dev/sdc2

Partitions

/dev/sdb1

/dev/sdb2

/dev/sdc1

/dev/sdc2

Physical Drives

/dev/sdb

/dev/sdc

Perform Recipe By Lvm

Clifford Lane



Perform Recipe By Lvm:

Oracle Exadata Recipes John Clarke, 2013-01-28 Oracle Exadata Recipes takes an example based problem solution approach in showing how to size install configure manage monitor optimize and migrate Oracle database workloads on and to the Oracle Exadata Database Machine Whether you re an Oracle Database administrator Unix Linux administrator storage administrator network administrator or Oracle developer Oracle Exadata Recipes provides effective and proven solutions to accomplish a wide variety of tasks on the Exadata Database Machine You can feel confident using the reliable solutions that are demonstrated in this book in your enterprise Exadata environment Managing Oracle Exadata is unlike managing a traditional Oracle database Oracle s Exadata Database Machine is a pre configured engineered system comprised of hardware and software built to deliver extreme performance for Oracle Database workloads Exadata delivers extreme performance by offering an optimally balanced hardware infrastructure with fast components at each layer of the engineered technology stack as well as a unique set of Oracle software features designed to leverage the high performing hardware infrastructure by reducing I O demands Let Oracle Exadata Recipes help you translate your existing Oracle Database knowledge into the exciting new growth area that is Oracle Exadata Helps extend your Oracle Database skillset to the fast growing Exadata platform Presents information on managing Exadata in a helpful example based format Clearly explains unique Exadata software and hardware features What you ll learn Install and configure Exadata Manage your Exadata hardware infrastructure Monitor and troubleshoot performance issues Manage smart scan and cell offload processing Take advantage of Hybrid Columnar Compression Deploy Smart Flash Cache and Smart Flash Logging Ensure the health of your Exadata environment Who this book is for Oracle Exadata Recipes is for Oracle Database administrators Unix Linux administrators storage administrators backup administrators network administrators and Oracle developers who want to quickly learn to develop effective and proven solutions without reading through a lengthy manual scrubbing for techniques Readers in a hurry will appreciate the recipe format that sets up solutions to common tasks as the centerpiece of the book Table of Contents Exadata Hardware Exadata Software How Oracle Works on Exadata Workload Qualification Sizing Exadata Preparing for Exadata Administration and Diagnostics Utilities Backup and Recovery Storage Administration Network Administration Patching and Upgrades Security Monitoring Exadata Storage Cells Host and Database Performance Monitoring Smart Scan and Cell Offload Hybrid Columnar Compression I O Resource Management and Instance Caging Smart Flash Cache and Smart Flash Logging Storage Indexes Post Installation Monitoring Tasks Post Install Database Tasks

DRBD-Cookbook Joerg Christian Seubert, 2022-02-13 Create an cluster on Linux have not to be complicated and expensive This book gives you an assistance for the cross computer RAID1 System DRBD build by LinBit and helps you to create your special own cluster system In form of Listings practice example sessions which can have bugs error messages and debugging the author shows how you can use step by step DRBD to create an easy and functionable Linux Cluster

Because the DRBD Software and the configuration files are also usable on Windows the shown examples can also run on this system In an own chapter it will be shown how DRBD involves into an Veritas Cluster Useful information for the system administration of Linux systems will be given in three appendices The operation of the various Linux file systems is also explained

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 emails 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

PostgreSQL 12 High Availability Cookbook Shaun Thomas, 2020-02-25 A comprehensive guide to understanding key techniques for architecture and hardware planning monitoring replication backups and decoupling Key Features Newly updated edition covering the latest PostgreSQL 12 features with hands on industry driven recipes Create a PostgreSQL cluster that stays online even when disaster strikes Learn how to avoid costly downtime and data loss that can ruin your business Book Description Databases are nothing without the data they store In the event of an outage or technical catastrophe immediate recovery is essential This updated edition ensures that you will learn the important concepts related to node architecture design as well as techniques such as using repmgr for failover automation From cluster layout and hardware selection to software stacks and horizontal scalability this PostgreSQL cookbook will help you build a PostgreSQL cluster that will survive crashes resist data corruption and grow smoothly with

customer demand You'll start by understanding how to plan a PostgreSQL database architecture that is resistant to outages and scalable as it is the scaffolding on which everything rests With the bedrock established you'll cover the topics that PostgreSQL database administrators need to know to manage a highly available cluster This includes configuration troubleshooting monitoring and alerting backups through proxies failover automation and other considerations that are essential for a healthy PostgreSQL cluster Later you'll learn to use multi master replication to maximize server availability Later chapters will guide you through managing major version upgrades without downtime By the end of this book you'll have learned how to build an efficient and adaptive PostgreSQL 12 database cluster What you will learn Understand how to protect data with PostgreSQL replication tools Focus on hardware planning to ensure that your database runs efficiently Reduce database resource contention with connection pooling Monitor and visualize cluster activity with Nagios and the TIG Telegraf InfluxDB Grafana stack Construct a robust software stack that can detect and avert outages Use multi master to achieve an enduring PostgreSQL cluster Who this book is for This book is for Postgres administrators and developers who are looking to build and maintain a highly reliable PostgreSQL cluster Although knowledge of the new features of PostgreSQL 12 is not required a basic understanding of PostgreSQL administration is expected **Learning**

DevOps: Continuously Deliver Better Software Joakim Verona, Michael Duffy, Paul Swartout, 2016-09-22 Learn to use some of the most exciting and powerful tools to deliver world class quality software with continuous delivery and DevOps About This Book Get to know the background of DevOps so you understand the collaboration between different aspects of an IT organization and a software developer Deploy top quality software and ensure software maintenance and release management with this practical guide This course covers some of the most exciting technology available to DevOps engineers and demonstrates multiple techniques for using them Real world and realistic examples are provided to help you as you go about the implementation and adoption of continuous delivery and DevOps Who This Book Is For This course is for developers who want to understand how the infrastructure that builds today's enterprises works and how to painlessly and regularly ship quality software What You Will Learn Set up and familiarize yourself with all the tools you need to be efficient with DevOps Design an application that is suitable for continuous deployment systems with DevOps in mind Test the code using automated regression testing with Jenkins Selenium Managing the lifecycle of hosts from creation to ongoing management using Puppet Razor Find out how to manage use and work with Code in the Git version management system See what traps pitfalls and hurdles to look out for as you implement continuous delivery and DevOps In Detail Harness the power of DevOps to boost your skill set and make your IT organization perform better If you're keen to employ DevOps techniques to better your software development this course contains all you need to overcome the day to day complications of managing complex infrastructures the DevOps way Start with your first module Practical DevOps that encompasses the entire flow from code from testing to production Get a solid ground level knowledge of how to monitor code for any

anomalies perform code testing and make sure the code is running smoothly through a series of real world exercise and develop practical skills by creating a sample enterprise Java application In the second module run through a series of tailored mini tutorials designed to give you a complete understanding of every DevOps automation technique Create real change in the way you deliver your projects by utilizing some of the most commendable software available today Go from your first steps of managing code in Git to configuration management in Puppet monitoring using Sensu and more In the final module get to grips with the continuous delivery techniques that will help you reduce the time and effort that goes into the delivery and support of software This Learning Path combines some of the best that Packt has to offer in one complete curated package It includes content from the following Packt products Practical DevOps by Joakim Verona DevOps Automation Cookbook by Michael Duffy Continuous Delivery and DevOps A Quickstart Guide Second Edition by Paul Swartout Style and approach This course is an easy to follow project based guide for all those with a keen interest in deploying world class software using some of the most effective and remarkable technologies available

Production Ready OpenStack - Recipes for Successful Environments Arthur Berezin, 2015-10-12 Over 90 practical and highly applicable recipes to successfully deploy various OpenStack configurations in production About This Book Get a deep understanding of OpenStack s internal structure and services Learn real world examples on how to build and configure various production grade use cases for each of OpenStack s services Use a step by step approach to install and configure OpenStack s services to provide Compute Storage and Networking as a services for cloud workloads Who This Book Is For If you have a basic understanding of Linux and Cloud computing and want to learn about configurations that OpenStack supports this is the book for you Knowledge of virtualization and managing Linux environments is expected Prior knowledge or experience of OpenStack is not required although beneficial What You Will Learn Plan an installation of OpenStack with a basic configuration Deploy OpenStack in a highly available configuration Configure Keystone Identity services with multiple types of identity backends Configure Glance Image Store with File NFS Swift or Ceph image backends and use local image caching Design Cinder to use a single storage provider such as LVM Ceph and NFS backends or to use multiple storage backends simultaneously Manage and configure the OpenStack networking backend Configure OpenStack s compute hypervisor and the instance scheduling mechanism Build and customize the OpenStack dashboard In Detail OpenStack is the most popular open source cloud platform used by organizations building internal private clouds and by public cloud providers OpenStack is designed in a fully distributed architecture to provide Infrastructure as a Service allowing us to maintain a massively scalable cloud infrastructure OpenStack is developed by a vibrant community of open source developers who come from the largest software companies in the world The book provides a comprehensive and practical guide to the multiple uses cases and configurations that OpenStack supports This book simplifies the learning process by guiding you through how to install OpenStack in a single controller configuration The book goes deeper into deploying OpenStack in a highly available configuration You ll then

configure Keystone Identity Services using LDAP Active Directory or the MySQL identity provider and configure a caching layer and SSL After that you will configure storage back end providers for Glance and Cinder which will include Ceph NFS Swift and local storage Then you will configure the Neutron networking service with provider network VLANs and tenant network VXLAN and GRE Also you will configure Nova s Hypervisor with KVM and QEMU emulation and you will configure Nova s scheduler filters and weights Finally you will configure Horizon to use Apache HTTPD and SSL and you will customize the dashboard s appearance Style and approach This book consists of clear concise instructions coupled with practical and applicable recipes that will enable you to use and implement the latest features of OpenStack **Red Hat Enterprise**

Linux 9 for SysAdmins Jerome Gotangco, Luca Berton, 2025-02-21 DESCRIPTION Red Hat Enterprise Linux RHEL is the de facto standard for Linux in the enterprise and the latest version RHEL 9 offers the best of open source software to date with the stability and security provided by the biggest name in open source Red Hat The book begins with an introduction to RHEL 9 s features architecture and its role in the open source ecosystem including comparisons with Fedora and CentOS It then delves into practical aspects of RHEL 9 setup covering installation methods cloud deployments on AWS Azure and GCP and subscription management The book further explores application deployment and management including software repositories the GNOME desktop environment infrastructure services virtualization containerization with Podman networking file storage and DevOps pipelines Finally it addresses critical security and monitoring aspects detailing security hardening techniques capacity planning log analysis system auditing and an introduction to AI ML frameworks on RHEL 9 Whether you are learning the ropes on Linux had some experience on running a previous RHEL system or even have managed Linux clusters Red Hat Enterprise Linux 9 for SysAdmins is a handy reference that would boost your knowledge and experience with the latest version of RHEL 9 KEY FEATURES Learn the essentials of setting up and managing a RHEL 9 server environment for your computing environment Learn DevOps pipelines and automation on RHEL 9 platform Understand RHEL 9 security audits and performance tuning WHAT YOU WILL LEARN Master fundamental and advanced RHEL 9 administration including system environment configuration desktop customization and automated task management Implement RHEL 9 security hardening with secure access controls and subscription management ensuring comprehensive enterprise protection Configure enterprise infrastructure with database applications and virtual machines optimized for high performance workload delivery Develop containerized applications using Podman integrating RHEL and AI capabilities for automated deployment and orchestration Build development platforms in RHEL 9 with DevOps practices and automated workflows for efficient application lifecycle management WHO THIS BOOK IS FOR This book is written for IT professionals with beginner or intermediate system administration experience and is tasked to install configure and manage a RHEL 9 system Readers are expected to have some basic understanding of operating systems and networking concepts TABLE OF CONTENTS 1 Introducing Red Hat Enterprise Linux 9 2 Setting Up RHEL 9 3 Establish RHEL 9 on Cloud 4 Miscellaneous

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Salt Cookbook Anirban Saha,2015-07-27 Salt has become one of the major players in automation and configuration management solutions This book starts with the basics of the tool the procedures to get up and running with Salt and then moves on to configuring very simple but important details to receive optimal performance from the tool It also walks you through Salt configurations for different infrastructure components and the details of the Salt modules for each of the components The book also provides some common problem scenarios and how to troubleshoot them With detailed configuration their explanation and command line outputs of the module execution Salt Cookbook will help you to get up and running with Salt for all your infrastructural needs

Ubuntu 9.04 Installation Guide Ubuntu Documentation Project,2009-08 The Official Ubuntu Packaging Guide contains installation instructions for the Ubuntu 9.04 system codename Jaunty Jackalope It also contains pointers to more information and information on how to make the most of your new Ubuntu system

PostgreSQL 9 High Availability Cookbook Shaun M. Thomas,2014-07-17 A comprehensive series of dependable recipes to design build and implement a PostgreSQL server architecture free of common pitfalls that can operate for years to come Each chapter is packed with instructions and examples to simplify even highly complex database operations If you are a PostgreSQL DBA working on Linux systems who want a database that never gives up this book is for you If you ve ever experienced a database outage restored from a backup spent hours trying to repair a malfunctioning cluster or simply want to guarantee system stability this book is definitely for you

Proxmox Cookbook Wasim Ahmed,2015-08-28 Over 60 hands on recipes to perform server virtualization and manage virtualized server solutions with Proxmox About This Book Learn the process of installing configuring and managing Proxmox clusters Explore ways of integrating various storage systems with Proxmox Step by step and easy to learn instructions to build virtual environments of any size using Proxmox Who This Book Is For This book is perfect for system administrators who want to learn to implement and administer Proxmox VE environments Since this book will not cover the basics of Proxmox a basic understanding of virtualization and networking with Proxmox VE is required What You Will Learn Install and configure an enterprise grade cluster based virtual environment using Proxmox Manage a cluster with Graphical User Interface using datacenter node KVM and OpenVZ menus among others Learn different ways of configuring your network and clusters to create complex cloud services Configure and manage the built in Proxmox firewall to protect your virtual environment Integrate storage systems such as Ceph Sheepdog and ZFS for virtual machine management to suit your business needs Backup and restore your data via stop suspend and snapshot modes Upgrade a

Proxmox node with new releases and apply update patches through GUI or CLI Monitor the resources and virtual machines to maintain performance and uptime Explore commands used for Proxmox and Ceph cluster through CLI In Detail Proxmox VE goes head to head with big virtualization platforms without bearing the overheads of high costs and vendor lock ins Rock solid stability and extremely easy manageability gives Proxmox VE an edge in the world of virtualization The Proxmox cluster file system pmxcfs is designed uniquely for storage of configuration files with high security and reliability Its simplicity and robustness make it easy for system administrators to manage their systems efficiently Proxmox VE s intuitive interface high availability and unique central management system puts it on par with the world s best virtualization platforms Its simplicity and high quality of service is what makes it the foremost choice for most system administrators Starting with a step by step installation of Proxmox nodes along with an illustrated tour of Proxmox graphical user interface where you will spend most of your time managing a cluster this book will get you up and running with the mechanisms of Proxmox VE Various entities such as Cluster Storage and Firewall are also covered in an easy to understand format You will then explore various backup solutions and restore mechanisms thus learning to keep your applications and servers safe Next you will see how to upgrade a Proxmox node with a new release and apply update patches through GUI or CLI Monitoring resources and virtual machines is required on an enterprise level to maintain performance and uptime to achieve this we learn how to monitor host machine resources and troubleshoot common issues in the setup Finally we will walk through some advanced configurations for VM followed by a list of commands used for Proxmox and Ceph cluster through CLI With this focused and detailed guide you will learn to work your way around with Proxmox VE quickly and add to your skillset Style and approach This book is an inclusive and extensive handbook It takes a pragmatic approach to complement your system admin skills and accomplish tasks within the Proxmox environment It consists of illustrations and code files to help you work with the data as you go from one recipe to the other

[CentOS 7 Linux Server Cookbook](#) Oliver Pelz,Jonathan Hobson,2016-01-29 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 [Linux: Powerful Server Administration](#) Uday R. Sawant, Oliver Pelz, Jonathan Hobson, William Leemans, 2017-04-27 Get hands on recipes to make the most of Ubuntu Server CentOS 7 Linux Server and RHEL 7 Server About This Book Get Linux servers up and running in seconds In depth guide to explore new features and solutions in server administration Maintain performance and security of your server solution by deploying expert configuration advice Who This Book Is For This Learning Path is intended for system administrators with a basic understanding of Linux operating systems and written with the novice to intermediate Linux user in mind To get the most of this Learning Path you should have a working knowledge of basic system administration and management tools What You Will Learn Set up high performance scalable and fault tolerant back ends with web and database servers Facilitate team communication with a real time chat service and collaboration tools 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 Create kickstart scripts to automatically deploy RHEL 7 systems Use Orchestration and configuration management tools to manage your environment In Detail Linux servers are frequently selected over other server operating systems for their stability security and flexibility advantages This Learning Path will teach you how to get up and running with three of the most popular Linux server distros Ubuntu Server CentOS 7 Server and RHEL 7 Server We will begin with the Ubuntu Server and show you how to make the most of Ubuntu s advanced functionalities Moving on we will provide you with all the knowledge that will give you access to the inner workings of the latest CentOS version 7 Finally touching RHEL 7 we will provide you with solutions to common RHEL 7 Server challenges This Learning Path combines some of the best that Packt has to offer in one complete

curated package It includes content from the following Packt products 1 Ubuntu Server Cookbook 2 CentOS 7 Linux Server Cookbook Second Edition 3 Red Hat Enterprise Linux Server Cookbook Style and approach This easy to follow practical guide contains hands on examples and solutions to real word administration problems and problems faced when building your RHEL 7 system from scratch using orchestration tools **PostgreSQL High Availability Cookbook** Shaun M. Thomas,2017-02-08 Master over 100 recipes to design and implement a highly available server with the advanced features of PostgreSQL About This Book Create a PostgreSQL cluster that stays online even when disaster strikes Avoid costly downtime and data loss that can ruin your business Updated to include the newest features introduced in PostgreSQL 9.6 with hands on industry driven recipes Who This Book Is For If you are a PostgreSQL DBA working on Linux systems who want a database that never gives up this book is for you If you ve ever experienced a database outage restored from a backup spent hours trying to repair a malfunctioning cluster or simply want to guarantee system stability this book is definitely for you What You Will Learn Protect your data with PostgreSQL replication and management tools such as Slony Bucardo pglogical and WAL E Hardware planning to help your database run efficiently Prepare for catastrophes and prevent them before they happen Reduce database resource contention with connection pooling using pgpool and PgBouncer Automate monitoring and alerts to visualize cluster activity using Nagios and collected Construct a robust software stack that can detect and fix outages Learn simple PostgreSQL High Availability with Patroni or dive into the full power of Pacemaker In Detail Databases are nothing without the data they store In the event of a failure catastrophic or otherwise immediate recovery is essential By carefully combining multiple servers it s even possible to hide the fact a failure occurred at all From hardware selection to software stacks and horizontal scalability this book will help you build a versatile PostgreSQL cluster that will survive crashes resist data corruption and grow smoothly with customer demand It all begins with hardware selection for the skeleton of an efficient PostgreSQL database cluster Then it s on to preventing downtime as well as troubleshooting some real life problems that administrators commonly face Next we add database monitoring to the stack using collectd Nagios and Graphite And no stack is complete without replication using multiple internal and external tools including the newly released pglogical extension Pacemaker or Raft consensus tools are the final piece to grant the cluster the ability to heal itself We even round off by tackling the complex problem of data scalability This book exploits many new features introduced in PostgreSQL 9.6 to make the database more efficient and adaptive and most importantly keep it running Style and approach This book contains practical recipes that will help the reader solve real world problems related to high availability in PostgreSQL Every recipe is explained in detail with relevant explanations tips and tricks provided for quicker and easier understanding **Ubuntu 10.04 LTS Installation Guide** Ubuntu Documentation Project,2010-05 The official Ubuntu 10.04 LTS Installation Guide contains installation instructions for the Ubuntu 10.04 LTS system codename Lucid Lynx [The Official Ubuntu Server Book](#) Kyle Rankin,Benjamin Mako Hill,2013-07-12 Ubuntu Server is a complete free server operating

system that just works with the extra Ubuntu polish innovation and simplicity that administrators love Now there s a definitive authoritative guide to getting up and running quickly with the newest most powerful versions of Ubuntu Server Written by leading members of the Ubuntu community The Official Ubuntu Server Book Third Edition covers all you need to know to make the most of Ubuntu Server whether you re a beginner or a battle hardened senior systems administrator The authors cover Ubuntu Server from start to finish installation basic administration and monitoring security backup troubleshooting system rescue and much more They walk through deploying each of the most common server applications from file and print services to state of the art cost saving virtualization and cloud computing In addition you ll learn how to Make the most of Ubuntu Server s latest most powerful technologies Discover easy fast ways to perform key administration tasks Automate Ubuntu installs no matter how many servers you re installing Quickly set up low cost Web servers and e mail Protect your server with Ubuntu s built in and optional security tools Minimize downtime with fault tolerance and clustering Master proven step by step server and network troubleshooting techniques Walk through rescuing an Ubuntu server that won t boot Deploy your own Ubuntu servers in the cloud

[Linux Administration Cookbook](#) Adam K. Dean,2018-12-31 Over 100 recipes to get up and running with the modern Linux administration ecosystem Key FeaturesUnderstand and implement the core system administration tasks in LinuxDiscover tools and techniques to troubleshoot your Linux systemMaintain a healthy system with good security and backup practicesBook Description Linux is one of the most widely used operating systems among system administrators and even modern application and server development is heavily reliant on the Linux platform The Linux Administration Cookbook is your go to guide to get started on your Linux journey It will help you understand what that strange little server is doing in the corner of your office what the mysterious virtual machine languishing in Azure is crunching through what that circuit board like thing is doing under your office TV and why the LEDs on it are blinking rapidly This book will get you started with administering Linux giving you the knowledge and tools you need to troubleshoot day to day problems ranging from a Raspberry Pi to a server in Azure while giving you a good understanding of the fundamentals of how GNU Linux works Through the course of the book you ll install and configure a system while the author regales you with errors and anecdotes from his vast experience as a data center hardware engineer systems administrator and DevOps consultant By the end of the book you will have gained practical knowledge of Linux which will serve as a bedrock for learning Linux administration and aid you in your Linux journey What you will learnInstall and manage a Linux server both locally and in the cloudUnderstand how to perform administration across all Linux distrosWork through evolving concepts such as IaaS versus PaaS containers and automationExplore security and configuration best practicesTroubleshoot your system if something goes wrongDiscover and mitigate hardware issues such as faulty memory and failing drivesWho this book is for If you are a system engineer or system administrator with basic experience of working with Linux this book is for you

High Availability MySQL Cookbook Alex Davies,2010-04-27 Over

60 simple but incredibly effective recipes focusing on different methods of achieving high availability for MySQL database

Deploying Physical Infrastructure with MAAS William Smith, 2025-08-19 Deploying Physical Infrastructure with MAAS Deploying Physical Infrastructure with MAAS is a comprehensive guide to the modern art and science of automating bare metal server deployment in today's data centers. From its historical evolution to the practicalities of integrating physical servers into hybrid and edge environments, the book thoroughly explains the transition from manual provisioning to dynamic, scalable automation. Through clear explanations of essential concepts and industry terminology, readers are equipped to understand the crucial differences between physical and virtualized environments and to appreciate MAAS's unique role in delivering reliable and flexible infrastructure at scale. Delving into architectural best practices, the book explores MAAS's core components, network design, and security strategies while providing detailed walkthroughs of sizing hardware, ensuring continuous operations, and implementing robust management networks. Readers are guided through every stage of a server's lifecycle, from discovery and commissioning to secure decommissioning, supported by practical examples of automating installations, integrating configuration management tools, and leveraging Infrastructure as Code methodologies. Advanced topics such as high availability, performance tuning, and large-scale multi-tenant orchestration ensure the content is both deep and actionable for enterprise practitioners. Beyond technical deployment, this book addresses the vital needs of operational governance, compliance, monitoring, and sustainability, making it an indispensable resource for IT professionals, architects, and site reliability engineers. Whether deploying MAAS for AI workloads, edge, and telco innovation or as a backbone for private cloud, readers will find up-to-date, forward-thinking guidance on building resilient, secure, and future-proof physical infrastructure with confidence and precision. **Oracle Linux Cookbook** Erik Benner, Erik B.

Thomsen, Jonathan Spindel, 2024-01-19 Get to grips with cloud security fundamentals, uncover cloud exploits, and safeguard your organization's network through effective pentesting of AWS, Azure, and GCP. Key Features: Effortlessly upgrade from Oracle Linux 7 or migrate from CentOS. Become a pro sysadmin by learning new tricks to manage your Oracle Linux servers. Learn how to install, configure, administer, and maintain Oracle Linux servers. Purchase of the print or Kindle book includes a free PDF eBook. Book Description: Discover the power of Oracle Linux 8, the free and enterprise-grade Linux distribution designed for use in any environment. With this recipe-style book, starting with instructions on how to obtain Oracle Linux for both x86 and ARM-based platforms, this book walks you through various installation methods, from running it as a Windows service to installing it on a Raspberry Pi. It unravels advanced topics such as system upgrades using Leapp for major version transitions and using a PXE server and kickstart files for more advanced installations. The book then delves into swapping kernels to take advantage of Oracle's UEK, exploring boot options, managing software with DNF, and achieving high availability. Detailed recipes involving security topics will assist with tasks such as data encryption, both at rest and in motion. For developers, it offers guidance on building RPM files using Docker and Podman in a containerized environment, working

with AppStreams and more For large scale deployments the book introduces Oracle Linux Automation Manager for enterprise level Ansible utilization from setting up the Ansible server to basic playbook writing Finally you ll discover strategies for cloud migration By the end of this book you ll possess a comprehensive toolkit that will elevate your skills as a Linux administrator What you will learn Master the use of DNF for package management and stream specific installations Implement high availability services through Podman and Oracle Linux Automation Manager Secure your system with Secure Boot and at rest disk encryption techniques Achieve rebootless system updates using the Ksplice technology Optimize large scale deployments with Oracle Linux Automation Manager and Ansible Gain practical insights into storage management using Btrfs and LVM Who this book is for This book is for existing Oracle Linux system administrators and CentOS or RHEL admins contemplating a migration to Oracle Linux 8 A foundation of basic sysadmin skills is assumed as this is not an entry level book it s a cookbook focused on complex and lesser known configurations specifically for Oracle Linux 8

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