

How To Install Mariadb Galera Cluster On Ubuntu 16.04

Python is a powerful, expressive programming language that's easy to learn and fun to use! But books about learning to program in Python can be kind of dull, gray, and boring, and that's no fun for anyone. Python for Kids brings Python to life and brings you (and your parents) into the world of programming. The ever-patient Jason R. Briggs will guide you through the basics as you experiment with unique (and often hilarious) example programs that feature ravenous monsters, secret agents, thieves ravens, and more. New terms are defined; code is colored, dissected, and explained; and quirky, full-color illustrations keep things on the lighter side. Chapters end with programming puzzles designed to stretch your brain and strengthen your understanding. By the end of the book you'll have programmed two complete games: a clone of the famous Pong and "Mr. Slick Man Races for the Exit"—a platform game with jumps, animation, and much more. As you strike out on your programming adventure, you'll learn how to: --Use fundamental data structures like lists, tuples, and maps --Organize and reuse your code with functions and modules --Use control structures like loops and conditional statements --Draw shapes and patterns with Python's turtle module --Create games, animations, and other graphical wonders with Tkinter Why should serious adults have all the fun? Python for Kids is your ticket into the amazing world of computer programming. For Kids ages 10+ (and their parents) The code in this book almost always runs: Windows, Mac, Linux, even an OLPC laptop or Raspberry Pi!

Achieve enterprise automation in your Linux environment with this comprehensive guide Key FeaturesAutomate your Linux infrastructure with the help of practical use cases and real-world scenariosLearn to plan, build, manage, and customize OS releases in your environmentEnhance the scalability and efficiency of your infrastructure with advanced Linux system administration conceptsBook Description Automation is paramount if you want to run Linux in your enterprise effectively. It helps you minimize costs by reducing manual operations, ensuring compliance across data centers, and accelerating deployments for your cloud infrastructures. Complete with detailed explanations, practical examples, and self-assessment questions, this book will teach you how to manage your Linux estate and leverage Ansible to achieve effective levels of automation. You'll learn important concepts on standard operating environments that lend themselves to automation, and then build on this knowledge by applying Ansible to achieve standardization throughout your Linux environments. By the end of this Linux automation book, you'll be able to build, deploy, and manage an entire estate of Linux servers with higher reliability and lower overheads than ever before. What you will learnPerform large-scale automation of Linux environments in an enterpriseOvercome the common challenges and pitfalls of extensive automationDefine the business processes needed to support a large-scale Linux environmentGet well-versed with the most effective and reliable patch management strategiesAutomate a range of tasks from simple user account changes to complex security policy enforcementLearn best practices and procedures to make your Linux environment automatableWho this book is for This book is for anyone who has a Linux environment to design, implement, and maintain. Open source professionals including infrastructure architects and system administrators will find this book useful. You're expected to have experience in implementing and maintaining Linux servers along with knowledge of building, patching, and maintaining server infrastructure. Although not necessary, knowledge of Ansible or other automation technologies will be beneficial.

Go beyond simply learning Kubernetes fundamentals and its deployment, and explore more advanced concepts, including serverless computing and service meshes with the latest updates Key Features Master Kubernetes architecture and design to build and deploy secure distributed applications Learn advanced concepts like autoscaling, cluster federation, serverless computing, and service mesh integration for observability Explore Kubernetes 1.18 features and its rich ecosystem of tools like Kubect, Knative, and Helm Book Description The third edition of Mastering Kubernetes is updated with the latest tools and code enabling you to learn Kubernetes 1.18's latest features. This book primarily concentrates on diving deeply into concepts such as Kubernetes best practices, the skills of designing and deploying large clusters on various cloud platforms. The book trains you to run complex stateful microservices on Kubernetes including advanced features such as horizontal pod autoscaling, rolling updates, resource quotas, and persistent storage backend. With the two new chapters, you will gain expertise in serverless computing and utilizing service meshes. As you proceed through the chapters, you will explore different options for network configuration and learn to set up, master, and troubleshoot Kubernetes networking plugins through real-world use cases. Furthermore, you will understand the mechanisms of custom resource development and its utilization in automation and maintenance workflows. By the end of this Kubernetes book, you will graduate from an intermediate to advanced Kubernetes professional. What you will learn Master the fundamentals of Kubernetes architecture and design Build and run stateful applications and complex microservices on Kubernetes Use tools like Kubect, secrets, and Helm to manage resources and working Master Kubernetes Networking with load balancing options like Ingress Achieve high-availability Kubernetes clusters Improve Kubernetes observability with tools like Prometheus, Grafana, and Jaeger Extend Kubernetes working with Kubernetes API, plugins, and webhooks Who this book is for If you are a system administrator or a cloud developer with working knowledge of Kubernetes and are keen to master its advanced features, along with learning everything from building microservices to utilizing service meshes, Mastering Kubernetes is for you. Basic familiarity with networking concepts will be helpful.

This IBM® Redpaper publication describes IBM Spectrum® LSF® Suite best practices installation topics, application checks for workload management, and high availability configurations by using theoretical knowledge and hands-on exercises. These findings are documented by way of sample scenarios. This publication addresses topics for sellers, IT architects, IT specialists, and anyone who wants to implement and manage a high-performing workload management solution with LSF. Moreover, this guide provides documentation to transfer how-to-skills to the technical teams, and solution guidance to the sales team. This publication compliments documentation that is available at IBM Knowledge Center, and aligns with educational materials that are provided by IBM Systems.

The Complete Guide to FreeBSD Efficiently perform large-scale Linux infrastructure automation with Ansible Deploying a Database Instance in an IBM Cloud Private Cluster on IBM Z

Python Cryptography Get a comprehensive overview on how to set up and design an effective database with MySQL. This thoroughly updated edition covers MySQL's latest version, including its most important aspects. Whether you're deploying an environment, troubleshooting an issue, or engaging in disaster recovery, this practical guide provides the insights and tools necessary to take full advantage of this powerful RDBMS. Authors Viniuciu Grippa and Sergey Kuzmichev from Percona show developers and DBAs methods for minimizing costs and maximizing availability and performance. You'll learn how to perform basic and advanced querying, monitoring and troubleshooting, database management and security, backup and recovery, and tuning for improved efficiency. This edition includes new chapters on high availability, load balancing, and using MySQL in the cloud. Get started with MySQL and learn how to use it in production Deploy MySQL databases on bare metal, on virtual machines, and in the cloud Design database structures Code highly efficient queries Monitor and troubleshoot MySQL databases Execute efficient backup and restore operations Optimize database costs in the cloud Understand database concepts, especially those pertaining to MySQL This how-to guide to MySQL is perfect for beginning programmers or experienced developers. It shows how to code all the essential SQL statements for working with a MySQL database. It shows how to design a database, including how to use MySQL Workbench to create an EER model. It shows how to take advantage of relatively new MySQL features such as foreign keys, transactions, stored procedures, stored functions, and triggers. And it presents a starting set of skills for a database administrator (DBA). A must-have for anyone who works with MySQL.

MariaDB Cookbook Pack Publishing Ltd Perform fast interactive analytics against different data sources using the Trino high-performance distributed SQL query engine. With this practical guide, you'll learn how to conduct analytics on data where it lives, whether it's Hive, Cassandra, a relational database, or a proprietary data store. Analysts, software engineers, and production engineers will learn how to manage, use, and even develop with Trino. Initially developed by Facebook, open source Trino is now used by Netflix, Airbnb, LinkedIn, Twitter, Uber, and many other companies. Matt Fuller, Manfred Moser, and Martin Traverso show you how a single Trino query can combine data from multiple sources to allow for analytics across your entire organization. Get started: Explore Trino's use cases and learn about tools that will help you connect to Trino and query data Go deeper: Learn Trino's internal workings, including how to connect to and query data sources with support for SQL statements, operators, functions, and more Put Trino in production: Secure Trino, monitor workloads, tune queries, and connect more applications; learn how other organizations apply Trino

MariaDB Essentials A Complete Guide to Nearly Everything Level up your container orchestration skills with Kubernetes to build, run, secure, and observe large-scale distributed apps, 3rd Edition Production Ready OpenStack - Recipes for Successful Environments Oracle SQL by Example This practical guide provides over 100 self-contained recipes to help you creatively solve issues you may encounter in your AWS cloud endeavors. If you're comfortable with rudimentary scripting and general cloud concepts, this cookbook will give you what you need to both address foundational tasks and create high-level capabilities. AWS Cookbook provides real-world examples that incorporate best practices. Each recipe includes code that you can safely execute in a sandbox AWS account to ensure that it works. From there, you can customize the code to help construct your application or fix your specific existing problem. Recipes also include a discussion that explains the approach and provides context. This cookbook takes you beyond theory, providing the nuts and bolts you need to successfully build on AWS. You'll find recipes for: Organizing multiple accounts for enterprise deployments Locking down S3 buckets Analyzing IAM roles Autoscaling a containerized service Summarizing news articles Standing up a virtual call center Creating a chatbot that can pull answers from a knowledge repository Automating security group rule monitoring, looking for rogue traffic flows And more.

The World's #1 Hands-On Oracle SQL Workbook-Fully Updated for Oracle 11g Crafted for hands-on learning and tested in classrooms worldwide, this book illuminates in-depth every Oracle SQL technique you'll need. From the simplest query fundamentals to regular expressions and with newly added coverage of Oracle's newer new tools, you will master the skills of designing and deploying large clusters on various cloud platforms. The book trains you to run complex stateful microservices on Kubernetes including advanced features such as horizontal pod autoscaling, rolling updates, resource quotas, and persistent storage backend. With the two new chapters, you will gain expertise in serverless computing and utilizing service meshes. As you proceed through the chapters, you will explore different options for network configuration and learn to set up, master, and troubleshoot Kubernetes networking plugins through real-world use cases. Furthermore, you will understand the mechanisms of custom resource development and its utilization in automation and maintenance workflows. By the end of this Kubernetes book, you will graduate from an intermediate to advanced Kubernetes professional. What you will learn Master the fundamentals of Kubernetes architecture and design Build and run stateful applications and complex microservices on Kubernetes Use tools like Kubect, secrets, and Helm to manage resources and working Master Kubernetes Networking with load balancing options like Ingress Achieve high-availability Kubernetes clusters Improve Kubernetes observability with tools like Prometheus, Grafana, and Jaeger Extend Kubernetes working with Kubernetes API, plugins, and webhooks Who this book is for If you are a system administrator or a cloud developer with working knowledge of Kubernetes and are keen to master its advanced features, along with learning everything from building microservices to utilizing service meshes, Mastering Kubernetes is for you. Basic familiarity with networking concepts will be helpful.

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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 This book is a practical, hands-on, beginner-friendly guide to installing and using MariaDB. Getting Started with MariaDB is for anyone who wants to learn more about databases in general or MariaDB in particular. No prior database experience is required. It is assumed that you have basic knowledge of software installation, editing files with a text editor, and using the command line and terminal.

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IBM Open Platform for DBaaS on IBM Power Systems Tarsnap Mastery Absolute FreeBSD, 2nd Edition Linux is for everyone! Linux All-in-One For Dummies breaks down the ever-popular operating system to its basics and trains users on the art of Linux. This handy reference covers all the latest updates and operating system features. It presents content on Linux desktops, applications, and more. With eight books in one, you'll have access to Explore the inner workings of Linux machines, so you'll know Linux front to back. This all-inclusive handbook also walks you through solving Linux problems—complete with hands-on examples—so you'll be a Linux whiz before you know it. Get familiar with Linux as you install and customize the operating system Learn how to navigate the file system Become a Linux guru with server hosting, scripting, and security how-to's Study for your Linux certification by using this complete guide as your reference This book is a massive source of support for beginning and intermediate Linux users, as well as those looking to brush up on their knowledge for certification. And, thanks to the signat Learn how you can put the features of OpenStack to work in the real world in this comprehensive path About This Book Harness the abilities of experienced OpenStack administrators and architects, and run your own private cloud successfully Learn how to install, configure, and manage all of the OpenStack core projects including topics of Networking services such as LBaaS and FaaS Get better equipped to troubleshoot and solve common problems in performance, availability, and automation that confront production-ready OpenStack environments Who This Book Is For This course is for those who are new to OpenStack who want to learn the cloud networking fundamen Understanding of Linux Operating System, Virtualization, and Networking, and Storage principles will come in handy. What You Will Learn Get an introduction to OpenStack and its components Store and retrieve data and images using storage components, such as Cinder, Swift, and Glance Install and configure Swift, the OpenStack Object St Replication between datacenters Gain hands on experience and familiarity with Horizon, the OpenStack Dashboard user interface Learn how to automate OpenStack installations using Ansible and Foreman Follow practical advice and examples for running OpenStack in production Fix common issues with images served through Object and networking In Detail OpenStack is a collection of software projects that work together to provide a cloud fabric. Learning OpenStack Cloud Computing course is an exquisite guide that you will need to build cloud environments proficiently. This course will help you gain a clearer understanding of OpenStack's components and their interactio first module, Learning OpenStack, starts with a brief look into the need for authentication and authorization, the different aspects of dashboards, cloud computing fabric controllers, along with 'Networking as a Service' and 'Software defined Networking'. Then, you will focus on installing, configuring, and troubleshooting different architectur Cinder, Swift, and Glance. After getting familiar with the fundamentals and application of OpenStack, let's move deeper into the realm of OpenStack. In the second module, OpenStack Cloud Computing Cookbook, preview how to build and operate OpenStack cloud computing, storage, networking, and automation. Dive into Neutron, the Openw with configuring ML2, networks, routers, and distributed virtual routers. Further, you'll learn practical examples of Block Storage, LBaaS, and FaaS. The final module, Troubleshooting OpenStack, will help you quickly diagnose, troubleshoot, and correct problems in your OpenStack. We will diagnose and remediate issues in Keystone, Glance, M Swift object storage, and issues caused by Heat orchestration. 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: Learning OpenStack by Alok Shrivastava, Sunil Sarat OpenStack Cloud Computing Cookbook - Third Edition by Kevin Jay OpenStack by Tony Campbell Style and approach This course aims to create a smooth learning path that will teach you how to get started with setting up private and public clouds using a free and open source cloud computing platform—OpenStack. Through this comprehensive course, you'll learn OpenStack Cloud computing from scratch

Over 110 effective recipes to help you build and operate OpenStack cloud computing, storage, networking, and automation About This Book Explore many new features of OpenStack's Juno and kilo releases Install, configure, and administer core projects with the help of OpenStack Object Storage, Block Storage, and Neutron Networking service administrators and architects, and run your own private cloud successfully Practical, real-world examples of each service and an accompanying Vagrant environment that helps you learn quickly In Detail OpenStack Open Source software is one of the most used cloud infrastructures to support software development and big data analysis. I developers from around the globe and backed by most of the leading players in the cloud space today. It is simple to implement, massively scalable, and can store a large pool of data and networking resources. OpenStack has a strong ecosystem that helps you provision your cloud storage needs. Add OpenStack's enterprise features to rec steps to build up a private cloud environment. At the beginning, you'll discover the uses of cloud services such as the Identity service, image service, and compute service. You'll dive into Neutron, the OpenStack Networking service, and get your hands dirty with configuring ML2, networks, routers, and Distributed Virtual Routers. You'll then computing by managing your cloud's security and migration. After that, we delve in to OpenStack Object Storage and how to manage servers and work with objects, cluster, and storage functionalities. Also, as you go deeper into the realm of OpenStack, you'll learn practical examples of Block storage, LBaaS, and FaaS. Installation and con OpenStack dashboard, Ansible and Foreman, Keystone, and other interesting topics. What You Will Learn Understand, install, configure, and manage Nova—the OpenStack Cloud Compute resource Configure ML2, networks, routers, and Distributed Virtual Routers with Neutron Use and secure Keystone, the OpenStack Authentication service I between datacenters Gain hands-on experience and familiarity with Horizon, the OpenStack Dashboard user interface Automate complete solutions with our recipes on Heat, the OpenStack Orchestration service Use Ansible and Foreman to automate OpenStack installations successfully Follow practical advice and examples to run OpenStack aimed at cloud system engineers, system administrators, and technical architects who are moving from a virtualized environment to cloud environments. This book assumes that you are familiar with cloud computing platforms, and have knowledge of virtualization, networking, and managing Linux environments. Style and approach Clear, ste applicable recipes that'll enable you to use and implement the latest features of OpenStack.

Online Backup you can Trust and Verify! Tarsnap, the secure online backup service for Unix-like systems, raised the bar for online backups. It's inexpensive. It's reliable. And you don't need to trust the Tarsnap service—they can't access your backups even if they wanted to. With Tarsnap Mastery you'll learn to: - Install and manage Tarsnap features like encryption and deduplication - create and recover archives - customize backups to precisely your requirements - passphrase protect keys - create and manage special-purpose keys - automatically back up and rotate archives - understand and resolve performance issues - quickly restore complete systems Ditch the tape room. P Mastery. Because life doesn't back itself up. IBM Spectrum LSF Suite: Installation Best Practices Guide Getting Started with MariaDB Learning MySQL and MariaDB Virtual Routing in the Cloud MariaDB Crash Course

This IBM Redbooks publication describes how to implement an Open Platform for Database as a Service (DBaaS) on IBM Power Systems environment for Linux, and demonstrate the open source tools, optimization and best practices guidelines for it. Open Platform for DBaaS on Power Systems is an on-demand, secure, and scalable self-service database platform that automates provisioning and administration of databases to support new business applications and information insights. This publication addresses topics to help sellers, architects, brand specialists, distributors, resellers and anyone offering secure and scalable Open Platform for DBaaS on Power Systems solution with APIs that are consistent across heterogeneous open database types. An Open Platform for DBaaS on Power Systems solution has the capability to accelerate business success by providing an infrastructure, and tools leveraging Open Source and OpenStack software engineered to optimize hardware and software between workloads and resources so you have a responsive, and an adaptive environment. Moreover, this publication provides documentation to transfer the how-to-skills for cloud oriented operational management of Open Platform for DBaaS on Power Systems service and underlying infrastructure to the technical teams. Open Platform for DBaaS on Power Systems mission is to provide scalable and reliable cloud database as a service provisioning functionality for both relational and non-relational database engines, and to continue to improve its fully-featured and extensible open source framework. For example, Trove is a database as a service for OpenStack. It is designed to run entirely on OpenStack, with the goal of allowing users to quickly and easily utilize the features of a relational or non-relational database without the burden of handling complex administrative tasks. Cloud users and database administrators can provision and manage multiple database instances as needed. Initially, the service focuses on providing resource isolation at high performance while automating complex administrative tasks including deployment, configuration, patching, backups, restores, and monitoring. In the context of this publication, the monitoring tool implemented is Nagios Core which is an open source monitoring tool. Hence, when you see a reference of Nagios in this book, Nagios Core is the open source monitoring solution implemented. Also note that the implementation of Open Platform for DBaaS on IBM Power Systems is based on open source solutions. This book is targeted toward sellers, architects, brand specialists, distributors, resellers and anyone developing and implementing Open Platform for DBaaS on Power Systems solutions.

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 This book is 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.

The Red Hat® Cookbook for IBM z Systems Volume 1: IBM zVM 6.3, SG24-8147 The Virtualization Cookbook for IBM z Systems Volume 2: Red Hat Enterprise Linux 7.1 Servers, T234-830: The Virtualization Cookbook for IBM z Systems Volume 3: SUSE Linux Enterprise Server 12, SG24-8800 It is advised that you start with Volume 1 of this series, because the IBM zVM Hypervisor is the foundation for installing Linux on IBM zTM Systems. A practical, hands-on, beginner-friendly guide to installing and using MariaDB. Getting Started with MariaDB is for anyone who wants to learn more about databases in general or MariaDB in particular. No prior database experience is required. It is assumed that you have basic knowledge of software installation, editing files with a text editor, and using the command line and terminal.

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GIMP is a free alternative to Adobe Photoshop with tons of professional-grade features. But with so many powerful tools and menu options, GIMP can be difficult to master. Whether you're struggling to get started or trying to master some of GIMP's more complex features, you'll find the answers you're looking for in The Book of GIMP. The tutorials in the first ha essential GIMP skills, like resizing and cropping images, touching up spots and scratches, and customizing your work area. Illustrated, step-by-step instructions show you how to: -Improve the lighting and composition of images -Remove distortions and noise to make old and damaged photos look like new -Create stunning panoramas and digital collages using a seri export custom textures, logos, and animated GIFs -Work with selections, channels, and masks to edit images like a pro -Create colorful digital art, layer by layer The book's second half offers a comprehensive reference to GIMP's many features, including color balancing, masks, filters, and plug-ins. You'll find tools described in unparalleled detail, with coverage of near parameter. With illustrated tutorials and detailed references, The Book of GIMP is sure to become your one-stop guide to just about everything GIMP. Cacti adalah salah satu sistem monitoring jaringan yang bersifat open. Banyak penggunaan aktif yang berpartisipasi di ruang Forum Cacti. Dan hebatnya lagi banyak perusahaan kecil dan sampai kelas ISP besar menggunakan sistem monitoring ini. Buku ini membahas bagaimana memulai pembelajaran Cacti menggunakan sistem operasi Windows dan Linux. Buku ini berusaha sisi praktis dan contoh real penggunaannya di lapangan/tempat kerja. Dilengkapi juga dengan ilustrasi gambar "step-by-step" untuk memudahkan pembaca.

Migrate the risks involved in migrating away from a proprietary database platform toward MariaDB's open source database engine. This book will help you assess the risks and the work involved, and ensure a successful migration. Migrating to MariaDB describes the process and lessons learned during a migration from a proprietary database management engine to this solution. The book discusses the drivers for making the decision and change, walking you through all aspects of the process from evaluating the licensing, navigating the pitfalls and hurdles of a migration, through to final implementation on the new platform. The book highlights the cost-effectiveness of MariaDB and how the licensing worries are simplified in comp platform. You'll learn to do your own risk assessment, to identify database and application code that may need to be modified or re-implemented, and to identify MariaDB features to provide the security and failover protection needed by corporate customers. Let the author's experience in migrating a financial firm to MariaDB inform your own efforts, helping you to technical and political success within your own organization as you migrate away from proprietary lock-in toward MariaDB's open source solution. What You'll LearnEvaluate and compare licensing costs between proprietary databases and MariaDB Perform a proper risk assessment to inform your planning and execution of the migration Build a migration road map fr specific to your situation Make needed application changes and migrate data to the MariaDB open source database engine Who This Book Is For Technical professionals (including database administrators, programmers, and technical management) who are interested in migrating away from a proprietary database platform toward MariaDB's open source database en risks and the work involved

The first book on MariaDB: an ideal concise, task-oriented introduction to the open, community-based branch of MySQL • Master trainer Ben Forta teaches all SQL and MariaDB essentials in a set of hands-on, self-paced lessons • Covers tools, data retrieval, sorting, filtering, aggregate functions, insert/update/delete, joins, unions, views, tables, schemas, stored proced tasks, and more • Reviewed by MariaDB's developers, Monty Program AB; foreword by founder Monty Widenius. This first-to-market tutorial covers everything beginners need to succeed with MariaDB, the open, community-based branch of MySQL. Master trainer Ben Forta introduces all the essentials through a series of quick, easy-to-follow, hands-on lessons. Inste theory and relational design. Forta focuses on teaching solutions for the majority of SQL users who simply want to interact with data. Forta covers all that, and more: • Using the MariaDB toolset. • Retrieving and sorting data. • Filtering data using comparisn, wildcards, and full text searching. • Analyzing data with aggregate functions. • Performing insert, update, an relational tables using inner, outer, and self joins. • Combining queries using unions. • Using views. • Creating and modifying tables, and accessing table schemas. • Working with stored procedures, cursors, and other advanced database features. • Managing databases, users, and security privileges This book was reviewed and is supported by MariaDB's developers, Monty a foreword by project founder Monty Widenius, primary developer of the original version of MySQL.

60 Menit Belajar Monitoring Jaringan (Cacti) Migrating to MariaDB Python for Kids Mastering OpenStack OpenStack Cloud Computing Cookbook

SELinux: Bring World-Class Security to Any Linux Environment! SELinux offers Linux/UNIX integrators, administrators, and developers a state-of-the-art platform for building and maintaining highly secure solutions. Now that SELinux is included in the Linux 2.6 kernel—and delivered by default in Fedora Core, Red Hat Enterprise Linux, and other major distributions—it's easier than ever to take advantage of its benefits. SELinux by Example is the first complete, hands-on guide to using SELinux in production environments. Authored by three leading SELinux researchers and developers, it illuminates every facet of working with SELinux, from its architecture and security object model to its policy language. The book thoroughly explains SELinux sample policies—including the powerful new Reference Policy—showing how to quickly adapt them to your unique environment. It also contains a comprehensive SELinux policy language reference and covers exciting new features in Fedora Core 5 and the upcoming Red Hat Enterprise Linux version 5. • Thoroughly understand SELinux's access control and security mechanisms • Use SELinux to construct secure systems from the ground up • Gain fine-grained control over kernel resources • Write policy statements for type enforcement, roles, users, and constraints • Use optional multilevel security to enforce information classification and manage users with diverse clearances • Create conditional policies that can be changed on-the-fly • Define, manage, and maintain SELinux security policies • Develop and write new SELinux security policy modules • Leverage emerging SELinux technologies to gain even greater flexibility • Effectively administer any SELinux system

Learning cryptography and security is fun instead of saying it hard or Complex. This book have concepts, examples of Cryptography principle followed with Applied Cryptography. Chapters presented in this book are independent and can be read in any order. Most of the example utilizes openssl. In Summary you are going to learn and explore below topics URL Encode Decode, Base64 Encode Decode, ASCII string to hex, Convert ASCII to Hex, PEM Formats, Cryptography Algorithms, Symmetric Key cryptography, Authenticated encryption, Types of Asymmetric Key Algorithms, Quantum Breakable Algorithms, Quantum Secure Algorithms, Cryptography Algorithms, Symmetric Key cryptography, Block cipher Modes of Operation, Authenticated encryption (both encryption and message integrity)Quantum Breakable AlgorithmsQuantum Secure AlgorithmsAES (Encryption/Decryption), DES (Encryption/Decryption), 3DES (Encryption/Decryption)BlowFish(Encryption/Decryption), RC4 (Encryption/Decryption)Asymmetric Key Cryptography, RSA (Encryption/Decryption), DSA (Keygen,Sign File,Verify Sig), PKI, TLS v1.3, ECDSA Key exchange, Diffie-Hellman, Message Digests, MAC (Message Authentication Codes), HMAC Generate HMAC, Secure Password Hashing bcrypt password hash PBKDF2 (PBE Encryption/Decryption)syconf password hash Crypt hash functions and Iteration, MD5 password generator Generate password for /etc/passwdCipher SiteManaging Certificates.(Self Sign/rootCA, Create ecc,rsa,dsa certificates)SMIMEGPG (Sign/verify/store,create) Authentication Key /GnuPG for SSH authenticationHardened Certificates & TLS ConfigurationNginx Secure Configuration (Apache Secure ConfigurationAWS ELB Secure Configuration)Testing HTTPS Services, Openssl HTTPS Testing, Self Sign Advanced Certificates, and plenty of code and commands used for illustration, which will make your learning curve easy and quick. This book is for anyone who wants to learn more about databases in general or MariaDB in particular. Some familiarity with SQL databases is assumed, but the recipes are approachable to almost anyone with basic database skills.

60 Menit Belajar Python menyampaikan dengan sesederhana mungkin bagaimana memulai Python disertai contoh langkah demi langkahnya demi untuk memudahkan pemahaman. Tak lupa juga memberikan tambahan tips/cara yang semoga dapat membantu. Untuk lebih mempermudah pembaca, juga telah diperkaya dengan contoh program singkat dan template program. Diharapkan akan membantu banyak dalam proses (mempercepat) belajar dan pada akhirnya dapat dimanfaatkan untuk keperluan yang dibutuhkan.

The Modern Cryptography Cookbook ?????? ??? ??(?? ????)

Murach's MySQL The Book of GIMP Seri Praktis

FreeBSD—the powerful, flexible, and free Unix-like operating system—is the preferred server for many enterprises. But it can be even trickier to use than either Unix or Linux, and harder still to master. Absolute FreeBSD, 2nd Edition is your complete guide to FreeBSD, written by FreeBSD committer Michael W. Lucas. Lucas considers this completely revised and rewritten second edition of his landmark work to be his best work ever; a true product of his love for FreeBSD and the support of the FreeBSD community. Absolute FreeBSD, 2nd Edition covers installation, networking, security, network services, system performance, kernel tweaking, filesystems, SMP, updating, crash debugging, and much more, including coverage of how to: -Use advanced security features like packet filtering, virtual machines, and host-based intrusion detection -Build custom live FreeBSD CDs and bootable flash -Manage network services and filesystems -Use DNS and set, email, IMAP, web, and FTP services for both servers and clients -Monitor your system with performance-testing and troubleshooting tools -Run diskless systems -Manage schedulers, remap shared libraries, and optimize your system for your hardware and your workload -Build custom network appliances with embedded FreeBSD -Implement redundant disks, even without special hardware -Integrate FreeBSD-specific SNMP into your network management system. Whether you're just getting started with FreeBSD or you've been using it for years, you'll find this book to be the definitive guide to FreeBSD that you've been waiting for.

Learning cryptography and security is fun instead of saying it hard or complex. This book is written in cookbook style and covers all the major crypto function with the simple code using the major python crypto library like (cryptography/pycrypto/pycrypto), which will come handy for python crypto developers from beginner to advanced in their daily use. Cryptography is for everyone, no matter which role, function you are in, a basic level of security is needed. The style and approach is used in this book is to full-fill all of the cryptography needs for the go lang programmer from beginner to advanced level. What you will learn Encoding/Decoding,Random Number, Hashing, blake, HKDF, PBKDF, Argon2, bcrypt, Bcrypt, RSA, DSA, ECDSA, Curve25519, Nacl, AES, chacha20poly1305, RC4, Blowfish, Twofish, 3DES, HMAC, OpenPGP, SSH-Client, HTTPS, X.509 Certificate Handling, Encrypted PEM files, OCSP

A Cookbook full of practical and applicable recipes that will enable you to use the full capabilities of OpenStack like never before. This book is aimed at system administrators and technical architects moving from a virtualized environment to cloud environments with familiarity of cloud computing platforms. Knowledge of virtualization and managing linux environments is expected. The Virtualization Cookbook for IBM z Systems Volume 4: Ubuntu Server 16.04 CentOS High Performance Linux All-In-One For Dummies

