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The Definitive Guide to SUSE Linux Enterprise Server 12 Sander van Vugt 2014-11-14 The Definitive Guide to SUSE Linux Enterprise Server 12 is a task-oriented book designed for self-study as well as classroom environments, which will also serve you as a reference guide. The book covers all skills that system administrators typically need to possess to administer SUSE Linux Enterprise Server in corporate environments. It starts at the beginning, which makes The Definitive Guide to SUSE Linux Enterprise Server 12 suitable for people without any preliminary Linux knowledge, and yet works up to advanced SUSE Linux administration tasks, such as building a cluster, optimizing performance or managing SUSE Linux Enterprise Server with SUSE Manager. The Definitive Guide to SUSE Linux Enterprise Server 12 is an ideal reference guide for system administrators, but is also perfect as a study book to prepare for the CLA, CLP as well as the CLE exams. This book contains step-by-step exercises, and scenario based exercises at the end of each chapter to help readers getting familiar with the subjects that are required to pass these three exams. The Definitive Guide to SUSE Linux Enterprise Server 12 also contains test exams, so you can use it as a study guide in a formal learning environment or as a book that you can learn and test your own progress as you master SUSE Linux Enterprise Server. You'll learn everything you need to know and the skills you need to manage SUSE Linux Enterprise Servers, from installing a secure server, to performing the day-to-day management tasks on SUSE Linux Enterprise Server. Along the way you'll encounter and master SUSE Linux Enterprise Server in a data center environment, how to manage your SUSE Enterprise Server for High Availability, and you'll see how to manage your SUSE Linux Enterprise Server with SUSE Manager. From installation to expert management, The Definitive Guide to SUSE Linux Enterprise Server 12 will show you the ways to succeed with Linux Enterprise Server 12.

Linux Recipes for Oracle DBAs Darl Kuhn 2008-11-21 Linux Recipes for Oracle DBAs is an example-based book on managing Oracle Database in a Linux environment. Covering commonly used distributions such as Red Hat Enterprise Linux and Oracle Enterprise Linux, the book is written for database administrators who need to get work done and lack the luxury of curling up by a fire with a stack of Linux documentation. The book is task-oriented: Look up the task to perform. See the solution. Read up on the details. Get the job done. Takes you directly from problem to solution. Covers the "right" mix of Linux user and administration tasks for database administrators. Respects your time by being succinct and to-the-point. What you'll learn: Execute Linux commands applicable to Oracle Database administration. Write shell scripts to automate critical DBA tasks. Monitor, tune, and optimize a Linux server to run Oracle Database. Perform Linux system administration tasks relevant to Oracle Database. Implement Oracle real application clusters on Linux. Implement Oracle automatic storage management on Linux. Remotely (and securely!) manage Oracle on Linux. Who this book is for: Linux Recipes for Oracle DBAs is a book for Oracle database administrators who want to expertly operate Oracle databases on the Linux operating system. If you're new to Linux, or are migrating from a Unix platform, or just want detailed solutions for tasks that Oracle DBAs perform on Linux servers, this book is for you.

Oracle VM Implementation and Administration Guide Edward Whalen 2011-08-05 Master the Powerful Virtualization Tools in Oracle VM Set up and maintain a dynamic virtualization platform across your enterprise using the detailed information contained in this Oracle Press guide. Oracle VM Implementation and Administration Guide contains key virtualization concepts, practical instructions, examples, and best practices. Find out how to design Oracle VM server farms, build and deploy virtual machines, handle provisioning and cloning, and work with Oracle VM Manager. Monitoring, tuning, and security techniques are also covered in this comprehensive volume. Install, configure, and manage all Oracle VM components: Plan, size, and set up Oracle VM server farms and server pools. Control resources from Oracle Enterprise Manager Grid Control, Oracle VM Manager, and Oracle VM Command Line Interface. Govern network drives and virtual storage using Oracle VM tools. Create virtual machines manually or from Oracle library templates. Convert existing virtual machines on other systems to Oracle VM virtual machines. Generate virtual machine clones that run on multiple server pools. Maintain guest operating systems and software using Oracle Enterprise Manager Grid Control's Oracle VM Management Pack. Ubuntu 21.04 Server Richard Petersen 2021-06-10 This book is designed as an Ubuntu 21.04 Server administration and reference source, covering the Ubuntu servers and their support applications. Server tools are covered as well as the underlying configuration files and system implementations. The emphasis is on what administrators will need to know to perform key server support and management tasks. Coverage of the systemd service management system is integrated into the book. Topics covered include software management, systemd service management, AppArmor security, OpenSSH, the Chrony time server, and Ubuntu cloud services. Key servers are examined, including Web, FTP, CUPS printing, NFS, and Samba Windows shares. Network support servers and applications covered include the Squid proxy server, the Domain Name System (BIND) server, DHCP, distributed network file systems, IPtables firewalls, and cloud computing.

Oracle VM Implementation and Administration Guide Edward Whalen 2011-07-13 Master the Powerful Virtualization Tools in Oracle VM Set up and maintain a dynamic virtualization platform across your enterprise using the detailed information contained in this Oracle Press guide. Oracle VM Implementation and Administration Guide contains key virtualization concepts, practical instructions, examples, and best practices. Find out how to design Oracle VM server farms, build and deploy virtual machines, handle provisioning and cloning, and work with Oracle VM Manager. Monitoring, tuning, and security techniques are also covered in this comprehensive volume. Install, configure, and manage all Oracle VM components: Plan, size, and set up Oracle VM server farms and server pools. Control resources from Oracle Enterprise Manager Grid Control, Oracle VM Manager, and Oracle VM Command Line Interface. Govern network drives and virtual storage using Oracle VM tools. Create virtual machines manually or from Oracle library templates. Convert existing virtual machines on other systems to Oracle VM virtual machines. Generate virtual machine clones that run on multiple server pools. Maintain guest operating systems and software using Oracle Enterprise Manager Grid Control's Oracle VM Management Pack. EJ12 Girl Hero Giftbox Susannah McFarlane 2010 Special Agent EJ12 cracks codes and foils evil plans all over the world. Emma Jacks worries about mean girls, swimming carnivals and not having perfect hair. EJ12 is Emma Jacks. Saving the world is the easy part.

Expert Consolidation in Oracle Database 12c Martin Bach 2014-01-23 Expert Consolidation in Oracle Database 12c is your key to reducing data management costs and increasing data center efficiency. Consolidation and cloud computing are converging trends sweeping the industry. The same technologies enabling cloud computing enable consolidation as well, leading to savings on all fronts from the amount of power used for servers to the amount of floor space consumed to the number of administrators needed to manage an installation. Yet the consolidation process can be a long and winding road. Success requires planning, and consideration to the impacts on supporting infrastructure. Expert Consolidation in Oracle Database 12c guides you through planning and implementing a consolidated Oracle Database installation using the many new features built into the latest release of Oracle's database management system. You'll learn to identify candidates for consolidation and to recognize instances that are best left stand-alone. The book guides in working with clustered systems and ASM storage in the consolidated environment. Focus is given to Oracle Enterprise Manager 12c Cloud Control as a monitoring and management dashboard. Always the goal is to drive towards a cost-effective environment that is efficient both in technology and people. Focuses on the new consolidation features in Oracle Database 12c. Helps you evaluate and correctly decide when to consolidate. Leads to cost savings and improved data center efficiency.

Oracle GoldenGate 12c Implementer's Guide John P. Jeffries 2015-07-27 GoldenGate exchanges data among systems in a timely manner and meets the demand for real-time access to information regardless of volume. The new release, 12c, includes an optimized database, intelligent and integrated delivery capabilities, expanded heterogeneity, and tighter security. Perform zero downtime data migration to on-premise or public cloud with GoldenGate's feature-rich portfolio. Start with the installation and learn the design concepts and enhanced configuration of GoldenGate 12c. Exploit new 12c features to successfully implement GoldenGate on your enterprise. Dive deep into configuring GoldenGate for high availability, DDL support, and reverse processing. Build fast, secure, robust, scalable technical solutions by tuning data delivery and networks. Finally, enrich your data replication knowledge by learning the troubleshooting tips.

XEN-Kochbuch Hans-Joachim Picht 2009 Virtualisierung ist ein beliebter Weg, um Hardware-Ressourcen kostensparend mehreren Gastsystemen zur Verfügung zu stellen. XEN hat sich dabei als intelligente Virtualisierungstechnik bewährt, bei der I/O-APIs, ein zentraler Hypervisor und ein Domänensystem für hohe Geschwindigkeit und hervorragende Isolation der Gastsysteme sorgen. Im nützlichen Rezeptformat aus Aufgabe, Lösung und Erläuterung erfahren Leser in diesem Kochbuch, wie sie XEN 3 installieren, booten und konfigurieren, welche Administrationstools wie genutzt werden können, welche Sicherheitsaspekte zu beachten sind, und vieles mehr.

The Best Damn Server Virtualization Book Period Rogier Dittner 2011-04-18 Server Sprawl and escalating IT costs have managers and system administrators scrambling to find ways to cut costs and reduce Total Cost of Ownership of their physical infrastructure. Combining software applications onto a single server, even if those applications are from the same software vendor, can be dangerous and problems hard to troubleshoot. Virtualization allows you to consolidate many servers onto a single physical server reducing hardware, electrical, cooling, and administrative costs. These virtual servers run completely independent of each other so if one crashes the other are not affected. Planning and implementing a server consolidation is a complex process. This book details the requirements for such a project, includes sample forms and templates, and delivers several physical to virtual migration strategies which will save both time and costs. Readers of this book will easily be able to plan and deploy VMware, Microsoft Virtual Server, and Xen. Create a virtual network to exchange information or provide a service to other virtual machines or computers. Use virtualization to support removable media such as CD or DVD optical disks. Reduce server costs, administration overhead, and complexity.

Experiences with Oracle® 10gR2 Solutions on Linux for IBM System z Lydia Parziale 2007-02-16 This IBM Redbooks publication describes experiences gained while installing and testing several Oracle® solutions, such as: - Single Instance of Oracle Database 10gR2 - Including sharing ORACLE\_HOME and Cloning Oracle databases - RAC Instance of Oracle Database 10gR2 using raw devices, block devices, or OCFS2 files - Oracle E-Business Suite 11.5.10.2 with a split configuration database on Linux on System z - Oracle AS10g Interested readers include database consultants, installers, administrators, and system programmers. This book is not meant to replace Oracle documentation; it documents our experiences installing Oracle products. Migrating Linux to Microsoft Azure Rithin Skaria 2021-07-28 Discover expert guidance for moving on-premises virtual machines running on Linux servers to Azure by implementing best practices and optimizing costs. Key Features: Work with real-life migrations to understand the dos and don'ts of the process. Deploy a new Linux virtual machine and perform automation and configuration management. Get to grips with debugging your system and collecting error logs with the help of hands-on examples. Book Description: With cloud adoption at the core of digital transformation for organizations, there has been a significant demand for deploying and hosting enterprise business workloads in the cloud. Migrating Linux to Microsoft Azure offers a wealth of actionable insights into deploying Linux workload to Azure. You'll begin by learning about the history of IT, operating systems, Unix, Linux, and Windows before moving on to look at the cloud and what things were like before virtualization. This will help anyone new to Linux become familiar with the terms used throughout the book. You'll then explore popular Linux distributions, including RHEL 7, RHEL 8, SLES, Ubuntu Pro, CentOS 7, and more. As you progress, you'll cover the technical details of Linux workloads such as LAMP, Java, and SAP, and understand how to assess your current environment and prepare for your migration to Azure through cloud governance and operations planning. Finally, you'll go through the execution of a real-world migration project and learn how to analyze and debug some common problems that Linux on Azure users may encounter. By the end of this Linux book, you'll be proficient at performing an effective migration of Linux workloads to Azure for your organization. What you will learn: Grasp the terminology and technology of various Linux distributions. Understand the technical support co-operation between Microsoft and commercial Linux vendors. Assess current workloads by using Azure Migrate. Plan cloud governance and operations. Execute a real-world migration project. Manage project, staffing, and customer engagement. Who this book is for: This book is for cloud architects, cloud solution providers, and any stakeholders dealing with migration of Linux workload to Azure. Basic familiarity with Microsoft Azure would be a plus.

WebSphere Application Server V7.0 Security Guide Ibm Redbooks 2009

Personal Oracle RAC Clusters Edward Stoeber 2006 A guide for Oracle DBAs who are too busy to build a clustered server environment to learn about Oracle's Real Application Cluster technology, this book allows DBAs to build and configure a Real Application Cluster quickly and inexpensively. Covers how to find the right hardware to build an at-home RAC, where to get Linux and how to set it up, how to install the Oracle Cluster Manager, and how to create the RAC database.

Oracle Goldengate 11g Complete Cookbook Ankur Gupta 2013-09-25 Oracle Goldengate 11g Complete Cookbook follows the Cookbook style. Each recipe provides step by step instructions

with various examples and scripts. This book provides the necessary information to successfully complete most of the possible administration tasks. Oracle Goldengate 11g Complete Cookbook is aimed at Database Administrators, Architects, and Middleware Administrators who are keen to know more about Oracle Goldengate. Whether you are handling Goldengate environments on a day-to-day basis, or using it just for migration, this book provides the necessary information required to successfully complete your administration tasks. The reader is expected to have some knowledge of Oracle databases.

A Practical Guide to XEN High Availability Sander van Vugt 2010-03-08 If you need an affordable and stable solution to offer high availability for virtual machines, this book is written for you. With this book you will learn how to build an HA solution with open source software. The solutions described in this book can help our organization save thousands of dollars on data center virtualization. You will learn how to create virtual machines using Xen and how to make them highly available using Pacemaker software. As a bonus, you will also read how to implement a cheap SAN solution, using open source software. This book is written for anyone who wants to create an affordable and stable solution for high availability of Xen virtual machines. To get the most out of this book, the reader should have a good working knowledge of Linux. The book uses SUSE Linux Enterprise as the example distribution. The configuration is also applicable to other distributions.

Virtualizing Oracle Databases on vSphere Kannan Mani 2014-10-15 The start-to-finish guide to virtualizing business-critical Oracle Software and Databases on VMware vSphere Virtualizing large-scale Oracle software and databases on vSphere can deliver powerful scalability, availability, and performance benefits. Recognizing this opportunity, thousands of organizations are moving to virtualize Oracle. However, reliable best practices have been difficult to find, and database and virtualization professionals often bring incompatible perspectives to the challenge. Virtualizing Oracle® Databases on vSphere® is the first authoritative, comprehensive, and best-practice guide to running Oracle on VMware platforms. Reflecting a deep understanding of both Oracle and vSphere, this guide is supported by extensive in-the-field experience with the full spectrum of database applications and environments. Both a detailed reference and a practical cookbook, it combines theory and practice, and offers up-to-date insights for the entire lifecycle, supported by case studies. Kannan Mani and Don Sullivan fully address architecture, performance, design, sizing, and high availability. Focusing on current versions of Oracle and vSphere, they highlight the differences between ESX/ESXi 4.x and 5.x wherever relevant. To deliver even more value, they provide extensive online resources, including easy-to-adapt scripts and expert how-to videos. Coverage includes: Understanding the DBA's expanded role in virtualized environments, and the emergence of the vDBA, vRACDBA, and Cloud DBA Identifying your best opportunities to drive value from virtualizing Oracle Anticipating challenges associated with virtualizing Oracle-based Business Critical Applications on vSphere Using VMware to overcome ongoing database deployment and management problems Protecting your virtualized database environment with vSphere's high-availability capabilities Designing databases to achieve scalability on demand, maximize availability, consolidate servers, and improve compliance Implementing best practices for memory, storage, and database layout Demystifying the impact of virtualization on Oracle support and licensing Using VMware Site Recovery Manager (SRM) to accelerate disaster recovery by seamlessly integrating VM and storage failover Streamlining provisioning and taking advantage of opportunities to automate

Clusterbau: Hochverfügbarkeit mit pacemaker, OpenAIS, heartbeat und LVS Michael Schwartzkopff 2010

Ubuntu 20.04 LTS Server Richard Petersen 2020-07-28 This book is designed as an Ubuntu 20.04 LTS Server administration and reference source, covering the Ubuntu servers and their support applications. Server tools are covered as well as the underlying configuration files and system implementations. The emphasis is on what administrators will need to know to perform key server support and management tasks. Coverage of the systemd service management system is integrated into the book. Topics covered include software management, systemd service management, systemd-networkd and Netplan network configuration, AppArmor security, OpenSSH, the Chrony time server, and Ubuntu cloud services. Key servers are examined, including Web, FTP, CUPS printing, NFS, and Samba Windows shares. Network support servers and applications covered include the Squid proxy server, the Domain Name System (BIND) server, DHCP, distributed network file systems, IPtables firewalls, and cloud computing.

Oracle Data Guard 11gR2 Administration Beginner's Guide Emre Baransel 2013-01-01 Using real-world examples and hands-on tasks, Oracle Data Guard 11gR2 Administration Beginner's Guide will give you a solid foundation in Oracle Data Guard. It has been designed to teach you everything you need to know to successfully create and operate Data Guard environments with maximum flexibility, compatibility, and effectiveness. If you are an Oracle database administrator who wants to configure and administer Data Guard configurations, then "Oracle Data Guard 11gR2 Administration Beginner's Guide" is for you. With a basic understanding of Oracle database administration, you'll be able to easily follow the book.

Oracle Applications DBA Field Guide Paul Jackson 2006-11-22 Expert guidance on administering the highly complex Oracle E-Business Suite Time-proven best practices Tried and tested scripts, notes, and references Covers all vital admin tasks, including configuration, monitoring, performance tuning, troubleshooting, and patching

Practical Oracle E-Business Suite Syed Zaheer 2016-09-30 Learn to build and implement a robust Oracle E-Business Suite system using the new release, EBS 12.2. This hands-on, real-world guide explains the rationale for using an Oracle E-Business Suite environment in a business enterprise and covers the major technology stack changes from EBS version 11i through R12.2. You will learn to build up an EBS environment from a simple single-node installation to a complex multi-node high available setup. Practical Oracle E-Business Suite focuses on release R12.2, but key areas in R12.1 are also covered wherever necessary. Detailed instructions are provided for the installation of EBS R12.2 in single and multi-node configurations, the logic and methodology used in EBS patching, and cloning of EBS single-node and complex multi-node environments configured with RAC. This book also provides information on FMW used in EBS 12.2, as well as performance tuning and EBS 12.2 on engineered system implementations. What You Will Learn: Understand Oracle EBS software and the underlying technology stack components Install/configure Oracle E-Business Suite R12.2 in simple and HA complex setups Manage Oracle EBS 12.2 Use online patching (adop) for Installation of Oracle EBS patches Clone an EBS environment in simple and complex configurations Perform and tune Oracle EBS in all layers (Application/DB/OS/NW) Secure E-Business Suite R12.2 Who This Book Is For: Developers, data architects, and data scientists looking to integrate the most successful big data open stack architecture and how to choose the correct technology in every layer

The Virginia Spectator University Of Virginia 2019-04-03 This work has been selected by scholars as being culturally important, and is part of the knowledge base of civilization as we know it. This work was reproduced from the original artifact, and remains as true to the original work as possible. Therefore, you will see the original copyright references, library stamps (as most of these works have been housed in our most important libraries around the world), and other notations in the work. This work is in the public domain in the United States of America, and possibly other nations. Within the United States, you may freely copy and distribute this work, as no entity (individual or corporate) has a copyright on the body of the work. As a reproduction of a historical artifact, this work may contain missing or blurred pages, poor pictures, errant marks, etc. Scholars believe, and we concur, that this work is important enough to be preserved, reproduced, and made generally available to the public. We appreciate your support of the preservation process, and thank you for being an important part of keeping this knowledge alive and relevant.

Linux on IBM System Z IBM Redbooks 2011-12-27

Linux: Embedded Development Alexandru Vaduva 2016-09-27 Leverage the power of Linux to develop captivating and powerful embedded Linux projects About This Book Explore the best practices for all embedded product development stages Learn about the compelling features offered by the Yocto Project, such as customization, virtualization, and many more Minimize project costs by using open source tools and programs Who This Book Is For If you are a developer who wants to build embedded systems using Linux, this book is for you. It is the ideal guide for you if you want to become proficient and broaden your knowledge. A basic understanding of C programming and experience with systems programming is needed. Experienced embedded Yocto developers will find new insight into working methodologies and ARM specific development competence. What You Will Learn Use the Yocto Project in the embedded Linux development process Get familiar with and customize the bootloader for a board Discover more about real-time layer, security, virtualization, CGL, and LSB See development workflows for the U-Boot and the Linux kernel, including debugging and optimization Understand the open source licensing requirements and how to comply with them when cohabiting with proprietary programs Optimize your production systems by reducing the size of both the Linux kernel and root filesystems Understand device trees and make changes to accommodate new hardware on your device Design and write multi-threaded applications using POSIX threads Measure real-time latencies and tune the Linux kernel to minimize them In Detail Embedded Linux is a complete Linux distribution employed to operate embedded devices such as smartphones, tablets, PDAs, set-top boxes, and many more. An example of an embedded Linux distribution is Android, developed by Google. This learning path starts with the module Learning Embedded Linux Using the Yocto Project. It introduces embedded Linux software and hardware architecture and presents information about the bootloader. You will go through Linux kernel features and source code and get an overview of the Yocto Project components available. The next module Embedded Linux Projects Using Yocto Project Cookbook takes you through the installation of a professional embedded Yocto setup, then advises you on best practices. Finally, it explains how to quickly get hands-on with the Freescale ARM ecosystem and community layer using the affordable and open source Wandboard embedded board. Moving ahead, the final module Mastering Embedded Linux Programming takes you through the product cycle and gives you an in-depth description of the components and options that are available at each stage. You will see how functions are split between processes and the usage of POSIX threads. By the end of this learning path, your capabilities will be enhanced to create robust and versatile embedded projects. 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 Embedded Linux Using the Yocto Project by Alexandru Vaduva Embedded Linux Projects Using Yocto Project Cookbook by Alex Gonzalez Mastering Embedded Linux Programming by Chris Simmonds Style and approach This comprehensive, step-by-step, pragmatic guide enables you to build custom versions of Linux for new embedded systems with examples that are immediately applicable to your embedded developments. Practical examples provide an easy-to-follow way to learn Yocto project development using the best practices and working methodologies. Coupled with hints and best practices, this will help you understand embedded Linux better.

Understanding Linux Network Internals Christian Benvenuti 2006 Benvenuti describes the relationship between the Internet's TCP/IP implementation and the Linux Kernel so that programmers and advanced administrators can modify and fine-tune their network environment.

Achieving High Availability on Linux for System z with Linux-HA Release 2 Lydia Parziale 2009-04-13 As Linux® on System z® becomes more prevalent and mainstream in the industry, the need for it to deliver higher levels of availability is increasing. IBM® supports the High Availability Linux (Linux-HA) project, which provides high availability functions to the open source community. One component of the Linux-HA project is the Heartbeat program, which runs on every known Linux platform. Heartbeat is part of the framework of the Linux-HA project. This IBM Redbooks® publication provides information to help you evaluate and implement Linux-HA release 2 by using Heartbeat 2.0 on the IBM System z platform with either SUSE® Linux Enterprise Server version 10 or Red Hat® Enterprise Linux® 5. To begin, we review the fundamentals of high availability concepts and terminology. Then we discuss the Heartbeat 2.0 architecture and its components. We examine some of the special considerations when using Heartbeat 2.0 on Linux on System z, particularly Linux on z/VM®, with logical partitions (LPARs), interguest communication by using HiperSockets™, and Shoot The Other Node In The Head (STONITH) by using VSMERVE for Simple Network IPL (snIPL). By reading this book, you can examine our environment as we outline our installation and setup processes and configuration. We demonstrate an active and passive single resource scenario and a quorum scenario by using a single resource with three guests in the cluster. Finally, we demonstrate and describe sample usage scenarios.

End-to-End High Availability Solution for System z from a Linux Perspective Lydia Parziale 2014-10-30 As Linux on System z becomes more prevalent and mainstream in the industry, the need for it to deliver higher levels of availability is increasing. This IBM Redbooks publication starts with an explanation of high availability (HA) fundamentals such as HA concepts and terminology. It continues with a discussion of why a business needs to consider an HA solution and then explains how to determine your business single points of failure. We outline the components of a high availability solution and describe these components. Then we provide some architectural scenarios and demonstrate how to plan and decide an implementation of an end-to-end HA solution, from Linux on System z database scenarios to z/OS, and include storage, network, z/VM, Linux, and middleware. This implementation includes the IBM Tivoli System Automation for Multiplatforms (TSA MP), which monitors and automates applications distributed across Linux, AIX®, and z/OS® operating systems, as well as a GDPS based solution. It includes the planning for an end-to-end scenario, considering Linux on System z, z/VM, and z/OS operating environments, and the middleware used. The TSA MP implements HA for infrastructure, network, operating systems, and applications across multiple platforms and is compared to a Linux HA implementation based on open source Linux-HA, which is Linux only.

Pro Linux High Availability Clustering Sander van Vugt 2014-07-25 Pro Linux High Availability Clustering teaches you how to implement this fundamental Linux add-on into your business. Linux High Availability Clustering is needed to ensure the availability of mission critical resources. The technique is applied more and more in corporate datacenters around the world. While lots of documentation about the subject is available on the internet, it isn't always easy to build a real solution based on that scattered information, which is often oriented towards specific tasks only. Pro Linux High Availability Clustering explains essential high-availability clustering components on all Linux platforms, giving you the insight to build solutions for any specific case needed. In this book four common cases will be explained: Configuring Apache for high availability Creating an Open Source SAN based on DRBD, iSCSI and HA clustering Setting up a load-balanced web server cluster with a back-end, highly-available database Setting up a KVM virtualization platform with high-availability protection for a virtual machine. With the knowledge you'll gain from these real-world applications, you'll be able to efficiently apply Linux HA to your work situation with confidence. Author Sander Van Vugt teaches Linux high-availability clustering on training courses, uses it in his everyday work, and now brings this knowledge to you in one place, with clear examples and cases. Make the best start with HA clustering with Pro Linux High Availability Clustering

at your side.

Oracle VM 3 Cloud Implementation and Administration Guide, Second Edition Edward Whalen 2017-09-22 Master Cloud building with Oracle VM 3 installation, configuration, and maintenance Set up, configure, and manage a dynamic virtualization platform across your enterprise using the detailed information contained in this Oracle Press guide. The book shows, step-by-step, how to size servers for Oracle VM, choose and deploy virtualization hardware and manage the environment as the foundation for a private cloud infrastructure. Real-world examples and valuable best practices are featured throughout. Oracle VM 3 Cloud Implementation and Administration Guide lays out key virtualization concepts and clearly explains every aspect of Oracle VM architecture. From there, you will learn how design server farms, build and maintain virtual machines, handle provisioning and cloning, work with Oracle VM Manager, and incorporate solid security procedures. Advanced topics such as Disaster Recovery design and implementation, Cloud management with Oracle Enterprise Manager Cloud Control and advanced storage and network integration aspects are fully covered. • Features tips, techniques, and tools for optimizing Oracle products on Oracle VM • Contains expert, hands-on advice on tackling the most common challenges • Written by a team of Oracle professionals with extensive VM experience

Linux Kernel in a Nutshell Greg Kroah-Hartman 2007-06-26 Presents an overview of kernel configuration and building for version 2.6 of the Linux kernel.

Oracle Enterprise Manager 10g Grid Control Implementation Guide Michael New 2007-12-22 Install and Configure Grid Control to Manage Your Oracle Landscape Build a robust grid computing infrastructure with guidance from an Oracle expert who developed and taught the Grid Control Deep Dive class to Oracle Consulting. Featuring real-world examples and best practices, Oracle Enterprise Manager 10g Grid Control Implementation Guide explains how to reliably and cost-effectively deploy a dynamic Grid Control environment. Learn how to lay the preinstallation groundwork, configure targets for monitoring, create services, implement security, and fine-tune performance. You'll also get full coverage of backup and recovery strategies and high-availability techniques. Prepare infrastructure hosts for Grid Control rollout Install the Oracle management repository, service, and agents Select the Grid Control installation options that fit your needs Discover and manage host, database, and application server targets Set target metrics and policies according to best practices Optimize performance and availability of your Grid Control framework Secure the Grid Control framework to protect data transmitted between components

Pro Oracle Database 11g RAC on Linux Julian Dyke 2011-01-11 Pro Oracle Database 11g RAC on Linux provides full-life-cycle guidance on implementing Oracle Real Application Clusters in a Linux environment. Real Application Clusters, commonly abbreviated as RAC, is Oracle's industry-leading architecture for scalable and fault-tolerant databases. RAC allows you to scale up and down by simply adding and subtracting inexpensive Linux servers. Redundancy provided by those multiple, inexpensive servers is the basis for the failover and other fault-tolerance features that RAC provides. Written by authors well-known for their talent with RAC, Pro Oracle Database 11g RAC on Linux gives you a rock-solid and technically flawless foundation on which to build your RAC-management skills. Authors Julian Dyke and Steve Shaw share their hard-won experience in building RAC clusters, showing you how to build for success using the very latest Oracle technologies, such as Automatic Storage Management (ASM) and Oracle Clusterware. You'll learn to troubleshoot performance and other problems. You'll even learn how to correctly deploy RAC in a virtual-machine environment based upon Oracle VM, which is the only virtualization solution supported by Oracle Corporation. RAC is a complex and powerful technology. It demands expertise in its deployment. You can't just "wing it" in creating a RAC solution. Julian and Steve have earned the right to term themselves expert—in Pro Oracle Database 11g RAC on Linux, they offer a rigorous and technically-correct treatment of RAC that helps you build a solid foundation of expertise and achieve success. Rigorous and technically accurate content Complete coverage of RAC, from planning to implementation to rollout to ongoing maintenance and troubleshooting Up-to-date with the very latest RAC features

Practical LPIC-3 300 Antonio Vazquez 2019-06-13 Gain the essential skills and hands-on expertise required to pass the LPIC-3 300 certification exam. This book provides the insight for you to confidently install, manage and troubleshoot OpenLDAP, Samba, and FreeIPA. Helping you to get started from scratch, this guide is divided into three comprehensive sections covering everything you'll need to prepare for the exam. Part 1 focuses on OpenLDAP and topics including securing the directory, integration with PAM and replication. Part 2 covers Samba and teaches you about Samba architecture, using different back ends, print services, and deploying Samba as a stand-alone server, PDC, and Active Directory Domain Controller. Finally, Part 3 explains how to manage FreeIPA and how to integrate it with Active Directory. Practical LPIC-3 300 is the perfect study guide for anyone interested in the LPIC-3 300 certification exam, OpenLDAP, Samba, or FreeIPA. What You'll Learn Integrate LDAP with PAM and NSS, and with Active Directory and Kerberos Manage OpenLDAP replication and server performance tuning Use Samba as a PDC and BDC Configure Samba as a domain member server in an existing NT domain Use Samba as an AD Compatible Domain Controller Replicate, manage, and integrate FreeIPA Who This Book Is For This book is for anyone who is preparing for the LPIC-3 300 exam, or those interested in learning about OpenLDAP and Samba in general.

Running Xen Jeanna N. Matthews 2008-04-06 "This accessible and immediately useful book expertly provides the Xen community with everything it needs to know to download, build, deploy and manage Xen implementations." —Ian Pratt, Xen Project Leader VP Advanced Technology, Citrix Systems The Real-World, 100% Practical Guide to Xen Virtualization in Production Environments Using free, open source Xen virtualization software, you can save money, gain new flexibility, improve utilization, and simplify everything from disaster recovery to software testing. Running Xen brings together all the knowledge you need to create and manage high-performance Xen virtual machines in any environment. Drawing on the unparalleled experience of a world-class Xen team, it covers everything from installation to administration—sharing field-tested insights, best practices, and case studies you can find nowhere else. The authors begin with a primer on virtualization: its concepts, uses, and advantages. Next, they tour Xen's capabilities, explore the Xen LiveCD, introduce the Xen hypervisor, and walk you through configuring your own hard-disk-based Xen installation. After you're running, they guide you through each leading method for creating "guests" and migrating existing systems to run as Xen guests. Then they offer comprehensive coverage of managing and securing Xen guests, devices, networks, and distributed resources. Whether you're an administrator, data center manager, developer, system integrator, or ISP, Running Xen will help you achieve your goals with Xen—reliably, efficiently, with outstanding performance, and at a surprisingly low cost. •Understanding the Xen hypervisor: what it does, and how it works •Using pre-built system images, including compressed file systems •Managing domains with the xm console •Populating and storing guest images •Planning, designing, and configuring networks in Xen •Utilizing Xen security: special purpose VMs, virtual network segments, remote access, firewalls, network monitors, sHype access control, Xen Security Modules (XSM), and more •Managing guest resources: memory, CPU, and I/O •Employing Xen in the enterprise: tools, products, and techniques

Expert Oracle RAC 12c Riyaj Shamsudeen 2013-08-13 Expert Oracle RAC 12c is a hands-on book helping you understand and implement Oracle Real Application Clusters (RAC), and to reduce the total-cost-of-ownership (TCO) of a RAC database. As a seasoned professional, you are probably aware of the importance of understanding the technical details behind the RAC stack. This book provides deep understanding of RAC concepts and implementation details that you can apply toward your day-to-day operational practices. You'll be guided in troubleshooting and avoiding trouble in your installation. Successful RAC operation hinges upon a fast-performing network interconnect, and this book dedicates a chapter solely to that very important and easily overlooked topic. All four authors are experienced RAC engineers with a wealth of hard-won experience encountering and surmounting the challenges of running a RAC environment that delivers on its promise. In Expert Oracle RAC 12c they provide you a framework in which to avoid repeating their hard-won lessons. Their goal is for you to manage your own RAC environment with ease and expertise. Provides a deep conceptual understanding of RAC Provides best practices to implement RAC properly and match application workload Enables readers to troubleshoot RAC with ease What you'll learn Know when to apply RAC, and when not to Design applications to take advantage of RAC Troubleshoot and solve clusterware problems Manage database backup and recovery in RAC Stay on top of locking issues and deadlock detection Harness the performance from parallel processing in RAC Support your RAC environment with a healthy network interconnect Who this book is for Expert Oracle RAC 12c is for experienced Oracle Database Administrators (DBAs) who are ready to take the next step in their career by expanding their skill set to include building and managing Oracle Real Application Clusters (RAC). DBAs and architects who are in the process of implementing RAC can immensely benefit from this book. It's an excellent choice for DBAs to learn RAC conceptually, understand best practices, and become experts in troubleshooting RAC problems. Table of Contents Overview of Oracle RAC Clusterware Management and Troubleshooting RAC Operational Practices RAC New Features Storage and ASM Practices Application Design Issues Managing and Optimizing a Complex RAC Environment Backup and Recovery in RAC Network Practices in RAC RAC Database Optimization Locks and Deadlocks Parallel Query in RAC Clusterware and Database Upgrades Oracle RAC One Node

Oracle on VMware Bert Scalzo 2008 Successfully meeting the challenges of combining VMware and Oracle, this comprehensive reference provides a broad spectrum of technological recommendations that demonstrate how to reliably and consistently achieve optimal configuration and maximum performance for any virtualized Oracle database scenario. The guide includes the best practices for virtualized servers, suggested virtualization server configuration, and recommendations for client operating system configuration for Oracle in a virtualized world. With real-world examples and highly applicable advice, this handbook also details the complexities of designing, configuring, maintaining, and tuning Oracle database deployments, making it a complete compendium for keeping virtualized Oracle databases in top form.

Expert Oracle Enterprise Manager 12c Kellyn Pot'Vin 2013-08-13 Enterprise Manager 12c (EM12c), Oracle's newest and fully-integrated enterprise management product, now provides a complete cloud lifecycle management solution and enterprise environment management interface. Expert Oracle Enterprise Manager 12c opens up the secrets of this incredible management tool, saving you time while enhancing your visibility as someone management can rely upon to deliver reliable database service in today's increasingly chaotic and change-driven IT environment. Expert Oracle Enterprise Manager 12c covers all the topics you demand and need to function effectively, from basic monitoring and configuration to advanced metric extensions and plugins. Real-life scenarios and demonstrations place you in the comfort zone of using the EM12c console, and the experienced author team provides deep understanding of the inner workings of this new Enterprise Manager. Database administrators and system administrators are expected to offer increasing levels of service for 24x7 systems and newer cloud environments. Em12c offers robust, end-to-end intelligent management of the complete environment. It includes direct, real-time integration with Oracle's online knowledgebase. Expert Oracle Enterprise Manager 12c helps you master this important tool and manage any challenge that comes your way. Provides example solutions to everyday problems through EM12c features. Explains the changes in EM12c, included trusted extensions. Focuses on advanced aspects of the EM12c interface.

Digital Forensics with Open Source Tools Cory Altheide 2011-03-29 Digital Forensics with Open Source Tools is the definitive book on investigating and analyzing computer systems and media using open source tools. The book is a technical procedural guide, and explains the use of open source tools on Mac, Linux and Windows systems as a platform for performing computer forensics. Both well-known and novel forensic methods are demonstrated using command-line and graphical open source computer forensic tools for examining a wide range of target systems and artifacts. Written by world-renowned forensic practitioners, this book uses the most current examination and analysis techniques in the field. It consists of 9 chapters that cover a range of topics such as the open source examination platform; disk and file system analysis; Windows systems and artifacts; Linux systems and artifacts; Mac OS X systems and artifacts; Internet artifacts; and automating analysis and extending capabilities. The book lends itself to use by students and those entering the field who do not have means to purchase new tools for different investigations. This book will appeal to forensic practitioners from areas including incident response teams and computer forensic investigators; forensic technicians from legal, audit, and consulting firms; and law enforcement agencies. Written by world-renowned forensic practitioners Details core concepts and techniques of forensic file system analysis Covers analysis of artifacts from the Windows, Mac, and Linux operating systems

User Mode Linux Jeff Dike 2006-04-12 With User Mode Linux you can create virtual Linux machines within a Linux computer and use them to safely test and debug applications, network services, and even kernels. You can try out new distributions, experiment with buggy software, and even test security. Now, for the first time, the creator and maintainer of User Mode Linux shows how to put it to work hands-on. Jeff Dike covers everything from getting started through running enterprise-class User Mode Linux servers. You'll find authoritative advice on bootup, compilation, administration, specialized configurations, and much more. Coverage includes What User Mode Linux is, how it works, and its uses in Linux networks Key applications, including server consolidation, development, and disaster recovery Booting and exploration: logins, consoles, swap space, partitioned disks, and more Copy-On-Write (COW): UML's efficient approach to storing filesystem changes In-depth discussion of User Mode Linux networking and security Centrally managing User Mode Linux instances, and controlling their hardware resources Implementing clusters and other specialized configurations Setting up User Mode Linux servers, step-by-step: small-scale and large-scale examples The future of virtualization and User Mode Linux Whether you're a netadmin, sysadmin, teacher, student, or programmer, User Mode Linux® --the technology and this book--is indispensable.