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Virtualizing Oracle Databases on VSphere Kannan Mani 2014 Annotation Thousands of organizations are virtualizing large-scale Oracle database systems. But, until now, reliable best practices have been hard to find, and database and virtualization professionals have often brought differing and incompatible perspectives to the challenge. Now, there's a comprehensive best practice guide reflecting deep understanding of both Oracle and vSphere, and supported by extensive in-the-field experience with the full spectrum of applications and environments.

Migrating Linux to Microsoft Azure Rithin Skaria 2021-07-28 Migrating Linux to Microsoft Azure enables your organization to maximize the existing investments on Linux and become sustainable with efficient migration of existing Linux workloads to Azure.
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

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

SUSE Linux Enterprise Server 12 - AutoYaST Suse Llc 2018-01-13 SUSE Linux Enterprise Server 12 - AutoYaST Guide. AutoYaST is a system for unattended mass deployment SUSE Linux Enterprise

Serv- er systems using an AutoYaST profile containing installation and configuration data. The manual guides you through the basic steps of auto-installation: preparation, in- stallation, and configuration. This book is available for free in many languages and different formats on the suse.com web site. This book is printed in grayscale.

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.

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: 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.

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.

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

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 **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 ContentsOverview 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
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.

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

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 posses 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 12also 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.

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.

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 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.

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.

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 HiperSocketsTM, and Shoot The Other Node In The Head (STONITH) by using VSMSERVE 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.

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.

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

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.

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 fireside 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.
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.

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.

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.

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

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:/bbr/pdivp/pulliUnderstand Oracle EBS software and the underlying technology stack componentsbr/liliInstall/configure Oracle E-Business Suite R12.2 in simple and HA complex setupsbr/liliManage Oracle EBS 12.2br/liliUse online patching (adop) for Installation of Oracle EBS patchesbr/liliClone an EBS environment in simple and complex configurationsbr/liliPerform and tune Oracle EBS in all layers (Application/DB/OS/NW)br/liliSecure E-Business Suite R12.2br/li/ul/divbrbWho This Book Is For:/bp/pp/pp/pp/pp/p 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

Clusterbau: Hochverf⬚ gbarkeit mit pacemaker, OpenAIS, heartbeat und LVS Michael Schwartzkopff 2010

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.

Euro-Par 2010 - Parallel Processing Pasqua D'Ambra 2010-09-02 Annotation This book constitutes the refereed proceedings of the 16th International Euro-Par Conference held in Ischia, Italy, in August/September 2010. The 90 revised full papers presented were carefully reviewed and selected from 256 submissions. The papers are organized in topical sections on support tools and environments; performance prediction and evaluation; scheduling and load-balancing; high performance architectures and compilers; parallel and distributed data management; grid, cluster and cloud computing; peer to peer computing; distributed systems and algorithms; parallel and distributed programming; parallel numerical algorithms; multicore and manycore programming; theory and algorithms for parallel computation; high performance networks; and mobile and ubiquitous computing.

XEN-Kochbuch Hans-Joachim Picht 2009 Virtualisierung ist ein beliebter Weg, um Hardware-Ressourcen kostensparend mehreren Gastsystemen zur Verf? gung zu stellen. XEN hat sich dabei als intelligente Virtualisierungstechnik bew? hrt, bei der I/O-APIs, ein zentraler Hypervisor und ein Dom? nensystem f? r hohe Geschwindigkeit und hervorragende Isolation der Gastsysteme sorgen. Im n? tzlichen Rezeptformat aus Aufgabe, L? sung und Erl? uterung erfahren Leser in diesem Kochbuch, wie sie XEN 3 installieren, booten und konfigurieren, welche Administrationstools wie genutzt werden k? nnen, welche Sicherheitsaspekte zu beachten sind, und vieles mehr.

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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.

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.

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 Database Cloud Cookbook with Oracle Enterprise Manager 13c Cloud Control Porus Homi Havewala 2016-11-22 This practical Oracle Press guide teaches cutting-edge techniques for building, configuring, and managing a secure private database cloud with Oracle Enterprise Manager 13c This hands-on volume lays out ready-to-deploy roadmaps for the design and maintenance of high-performance private database clouds using Oracle Enterprise Manager 13c. Learn best practices for a wide variety of different approaches—Database as a Service, Snap Clone as a Service, Schema as a Service, and Pluggable Database as a Service. Oracle Private Cloud Cookbook with Enterprise Manager 13c thoroughly explains how to architect, configure, and manage every component in a private database cloud

lifecycle. You will get an insider's solutions for securing your cloud-based infrastructure, generating reliable RMAN backups, and protecting your mission-critical enterprise information using Oracle Data Guard. This comprehensive volume from Oracle Press features detailed, step-by-step instructions with multiple screen shots and diagrams that illustrate each technique along the way. Real-world examples and case studies illustrate applications in various industries Offers essential skills for cloud administrators and DBAs Author is an Oracle Certified Master, previous ACE director, and experienced computing writer

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. **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 **Query Acceleration for Business Using IBM Informix Warehouse Accelerator** Whei-Jen Chen 2013-11-06

IBM® Informix® Warehouse Accelerator is a state-of-the-art in-memory database that uses affordable innovations in memory and processor technology and trends in novel ways to boost query performance. It is a disruptive technology that changes how organizations provide analytics to its operational and historical data. Informix Warehouse Accelerator uses columnar, in-memory approach to accelerate even the most complex warehouse and operational queries without application changes or tuning. This IBM Redbooks® publication provides a comprehensive look at the technology and architecture behind the system. It contains information about the tools, data synchronization, and query processing capabilities of Informix Warehouse Accelerator, and provides steps to implement data analysis by using Informix Warehouse Accelerator within an organization. This book is intended for IBM Business Partners and clients who are looking for low-cost solutions to boost data warehouse query performance.