

Oracle Virtualization

Installing Oracle Vm Server 3 1 1

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Oracle on IBM Z - Susan Adamovich 2018-07-26
Oracle Database 12c Release 1 running on Linux is available for deployment on the IBM Z/TS family of servers. The enterprise-grade Linux on IBM Z solution is designed to add value to Oracle Database solutions, including the new

functions that are introduced in Oracle Database 12c. In this IBM Redbooks® publication, we explore the IBM and Oracle Alliance and describe how Oracle Database benefits from the IBM Z platform. We then explain how to set up Linux guests to install Oracle Database 12c. We also describe

how to use the Oracle Enterprise Manager Cloud Control Agent to manage Oracle Database 12c Release 1. We also describe a successful consolidation project from sizing to migration, performance management topics, and high availability. Finally, we end with a chapter about surrounding Oracle with Open Source software. The audience for this publication includes database consultants, installers, administrators, and system programmers. This publication is not meant to replace Oracle documentation, but to supplement it with our experiences while installing and using Oracle products.

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

Expert Oracle Application

Express Plugins - Martin

DSouza 2012-01-13

Expert Oracle Application Express Plugins is your "go to" book on the groundbreaking plugin architecture introduced in Oracle Application Express 4.0. Using the new APEX functionality, you can create well-packaged, documented, reusable components and reliably leverage your coding

investments across many applications. Components you create can define new item and region types, specify validation processes, and present dynamic actions to client applications. You can design innovative and colorful ways to display information, such as displaying the temperature using an image of a thermometer, or displaying sales velocity in the form of an automotive speedometer. The new plugin architecture is sure to create a tidal wave of creativity. Author Martin D'Souza shows everything you need to know to get started in building and deploying plugins of your own design. You'll learn the underlying architecture, including the APIs used to tie your plugins seamlessly into an Application Express environment. You'll learn about the different types of plugins, and you'll walk through examples of each to ensure that you can create the right type of plugin when you need it. Finally, Expert Oracle Application Express Plugins shows how to work as part of

the larger Application Express community by leveraging that community's efforts and by giving back as you deploy your own plugins to the broad audience of Application Express developers. Presents the architecture and APIs available for customizing Application Express Gives clear examples of plugin development, for each type of plugin Helps you work as part of the broader community of plugin developers

Designing Hyper-V

Solutions - Saurabh Grover
2015-08-07

Deploy Microsoft Virtualization and VDI solutions using real-world Hyper-V configurations About This Book Get acquainted with the basics of Windows Server Hyper-V 2012 R2 and understand how to efficiently design a highly available virtualization solution Assess your physical server environment and understand the fundamentals of server consolidation and sizing of Hyper-V hosts Design practical solutions for common design patterns with explanations of

these design decisions Who This Book Is For This book is aimed at IT admins, consultants, and architects alike who wish to deploy, manage, and maintain Hyper-V solutions in organizations of various sizes. Readers are expected to have a working knowledge of managing Windows Servers and a fair understanding of networking and storage concepts. What You Will Learn Set up independent and highly available clustered Hyper-V hosts via GUI and PowerShell Acquire knowledge about Generation 1 and 2 Virtual Machines, their creation and management, and also look at the VM Conversion process Understand NIC Teaming, Extensible Virtual Switch, and other networking advancements Gain insight into virtual machine storage changes and its follow-up benefits Discover backup and recovery patterns for Hyper-V Familiarize yourself with the essentials of Hyper-V Replica Leverage the benefits of Microsoft VDI In Detail The IT

community has already experienced the benefits of server virtualization. However, they were limited to one option primarily until Microsoft released its flagship Hypervisor platform. Windows Server Hyper-V 2012 and R2 along with Hyper-V Server 2012 and R2 present a cost effective yet robust virtualization solution to enterprises who wish to consolidate their physical server workloads or migrate their pre-existing VMware workloads to Hyper-V. Hyper-V has proven to be a stable and an economical virtualization solution and with its high availability, live migration, and new network virtualization and storage enhancement features, enterprises will never feel the need to consider another alternative. This book is a practical, example-oriented tutorial that will guide you through the basics and architecture of the Hyper-V platform and thereafter help you understand how to build your Virtualization infrastructure from the ground up. The book then goes on to

focus on scalability and high availability aspects and trains you in setting up highly available Hyper-V clusters and the live migration of virtual machines. You will also learn about the advancements in virtual networking and storage in Windows Server 2012. After the implementation guidance, the book then advises you on how to set up backup and recovery and how to prepare a disaster recovery plan via Hyper-V Replica. The book concludes with a good insight into Microsoft VDI implementation guidance. Style and approach This is a handy and easy-to-follow guide that describes virtualization concepts and the Hyper-V design approach. Each topic is explained sequentially and is enhanced with real-world scenarios, practical examples, screenshots, and step-by-step explanations to help readers understand clearly.

Software Engineering Perspectives and Application in Intelligent Systems - Radek Silhavy 2016-04-26

The volume Software

Engineering Perspectives and Application in Intelligent Systems presents new approaches and methods to real-world problems, and in particular, exploratory research that describes novel approaches in the field of Software Engineering. Particular emphasis is laid on modern trends in selected fields of interest. New algorithms or methods in a variety of fields are also presented. The 5th Computer Science On-line Conference (CSOC 2016) is intended to provide an international forum for discussions on the latest research results in all areas related to Computer Science. The addressed topics are the theoretical aspects and applications of Computer Science, Artificial Intelligences, Cybernetics, Automation Control Theory and Software Engineering.

Oracle Solaris and Veritas Cluster : An Easy-build Guide -
Vijay Shankar Upreti
2015-12-31

Learn the fundamental concepts of OS clustering,

Oracle Solaris clustering high-level design, Oracle Solaris clustering implementation using VirtualBox, and Veritas clustering implementation using VirtualBox. Oracle Solaris and Veritas Cluster: An Easy-build Guide shows you how to implement a cluster on your desktop or laptop devices using virtualized network, host, and storage configuration. This book explains both the architecture design and technical implementation for building Solaris Oracle- or Veritas-based clustered environments. This book provides snapshot-based steps to set up Solaris virtual hosts under VirtualBox and implement Veritas clustering across two virtual hosts that can be implemented on a desktop or laptop. This book will help you understand what it's like setting up a clustered environment, in simple steps that can be followed by users having little knowledge of clustering. What You Will Learn: Practice cluster implementation on your local PC or laptop Implement both

Oracle/Solaris and Veritas clusters under Oracle Solaris 10 OS Master cluster fundamentals, concepts, and design Create virtualized environments under VirtualBox Learn the prerequisites and configuration for host builds, networking, and storage setup using VirtualBox for Solaris Oracle and Veritas Who This Book Is For: IT support engineers, education institutions and students.

Best practices and Getting Started Guide for Oracle on IBM LinuxONE - Sam Amsavelu 2020-06-02

IBM® is a Platinum level Partner in the Oracle Partner Network, which delivers the proven combination of industry insight, extensive real-world Oracle applications experience, deep technical skills, and high-performance servers and storage to create a complete business solution with a defined return on investment. From application selection, purchase, and implementation to upgrade and maintenance, we help organizations reduce the total cost of ownership and

the complexity of managing their current and future applications environment while building a solid base for business growth. Oracle Database running on Linux is available for deployment on IBM LinuxONE by using Redhat Enterprise Linux (RHEL) or SUSE Linux Enterprise Server (SLES). This enterprise-grade solution is designed to add value to Oracle Database solutions. This IBM Redpaper® publication focuses on accepted good practices for installing and getting started by using Oracle Database, which provides you with an environment that is optimized for performance, scalability, flexibility, and ease-of-management.

Virtualization and Forensics - Diane Barrett 2010-08-06
Virtualization and Forensics: A Digital Forensic Investigators Guide to Virtual Environments offers an in-depth view into the world of virtualized environments and the implications they have on forensic investigations. Named a 2011 Best Digital Forensics

Book by InfoSec Reviews, this guide gives you the end-to-end knowledge needed to identify server, desktop, and portable virtual environments, including: VMware, Parallels, Microsoft, and Sun. It covers technological advances in virtualization tools, methods, and issues in digital forensic investigations, and explores trends and emerging technologies surrounding virtualization technology. This book consists of three parts. Part I explains the process of virtualization and the different types of virtualized environments. Part II details how virtualization interacts with the basic forensic process, describing the methods used to find virtualization artifacts in dead and live environments as well as identifying the virtual activities that affect the examination process. Part III addresses advanced virtualization issues, such as the challenges of virtualized environments, cloud computing, and the future of virtualization. This book will be a valuable resource for forensic

investigators (corporate and law enforcement) and incident response professionals. Named a 2011 Best Digital Forensics Book by InfoSec Reviews Gives you the end-to-end knowledge needed to identify server, desktop, and portable virtual environments, including: VMware, Parallels, Microsoft, and Sun Covers technological advances in virtualization tools, methods, and issues in digital forensic investigations Explores trends and emerging technologies surrounding virtualization technology

Expert Linux Administration Guide - Vishal Rai 2022-06-08
Linux administration based on hosted virtualization
KEY FEATURES ● Designed for absolute beginners and early Linux users with the most up-to-date knowledge. ● Contains troubleshooting tips and best practices for running a Linux system on your own. ● Supplemental knowledge and insights in server security, threat management, and virtualization.

DESCRIPTION 'Expert Linux Administration Guide' is for the readers who

are interested in developing the skills and abilities essential to operate as a professional Linux system administrator. This is the only book that explains everything about Linux practically through examples, simplified visuals, solution tips, and expert-led best practices. This book begins with an introduction to Linux fundamentals and swiftly progresses to the day-to-day tasks of a Linux administrator. You practically learn how to plan your network by installing Linux and gaining a firm grasp of its file system and system configuration. This book covers all the Linux server settings, including DNS, mail servers, Squid proxy servers, and backup recovery. In addition, the book contains troubleshooting hints and ready-to-use solutions for server configuration, load balancing, firewall configuration, network security concerns, and virtualization. The book does not end here, as it discusses some of the advanced administrator's responsibilities. Topics such as

monitoring system performance, process controls, user provisioning, file and database recovery and backup, and software package upgrades are also covered. By the end of this book, you'll be able to practise and implement the latest system administration techniques in a Linux environment considerably more effectively.

WHAT YOU WILL LEARN ● Learn to install and configure Linux servers quickly. ● Manage configurations, license software, and patch security flaws. ● Obtain the highest level of support for RAID configurations. ● Learn how to set up database servers, backups, and system recovery. ● Expert advice on firewalls, web servers, disc utilization, and network resources.

WHO THIS BOOK IS FOR This book is intended for System Managers, System Administrators, Network Administrators, Server Administrators, System Engineers, and others interested in becoming professional Linux

Administrators. No prerequisite knowledge is required, as the book covers everything clearly and precisely. TABLE OF CONTENTS 1. Linux Fundamental 2. Files, Directories & User Management 3. File Compression and Archival 4. Performing Search 5. Vi Editor 6. Linux Installation 7. System Initialization 8. Overview of Network commands 9. Firewall Setup 10A. Partition System in CentOS7/8 10B. LVM and ISCSI CentOS7/8 11. YUM Server 12. Telnet 13. Domain Name System 14. Dynamic Host Control Protocol 15. Unified Threat Management (UTM) 16. Squid Web Proxy 17. Apache Web Server 18. Linux as a Router 19. NIS Server 20. NFS Server 21. File Transfer Protocol 22. Samba Configuration 23. Mail Server Configuration 24. Linux Hardening 25. Load Balancer 26. Setup Network Printer Services 27. System Backup and Restore Process 28. Linux Virtualization KVM 29. Introduction to Open-Source

tools 30. Troubleshooting Network Issues
Expert Hadoop 2 Administration - Sam R. Alapati
2016-11-29
This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. The Comprehensive, Up-to-Date Apache Hadoop Administration Handbook and Reference “Sam Alapati has worked with production Hadoop clusters for six years. His unique depth of experience has enabled him to write the go-to resource for all administrators looking to spec, size, expand, and secure production Hadoop clusters of any size.” —Paul Dix, Series Editor In *Expert Hadoop® Administration*, leading Hadoop administrator Sam R. Alapati brings together authoritative knowledge for creating, configuring, securing, managing, and optimizing production Hadoop clusters in any environment. Drawing on his experience with large-scale Hadoop administration, Alapati

integrates action-oriented advice with carefully researched explanations of both problems and solutions. He covers an unmatched range of topics and offers an unparalleled collection of realistic examples. Alapati demystifies complex Hadoop environments, helping you understand exactly what happens behind the scenes when you administer your cluster. You'll gain unprecedented insight as you walk through building clusters from scratch and configuring high availability, performance, security, encryption, and other key attributes. The high-value administration skills you learn here will be indispensable no matter what Hadoop distribution you use or what Hadoop applications you run. Understand Hadoop's architecture from an administrator's standpoint Create simple and fully distributed clusters Run MapReduce and Spark applications in a Hadoop cluster Manage and protect Hadoop data and high

availability Work with HDFS commands, file permissions, and storage management Move data, and use YARN to allocate resources and schedule jobs Manage job workflows with Oozie and Hue Secure, monitor, log, and optimize Hadoop Benchmark and troubleshoot Hadoop

Oracle WebLogic Server 11g Administration Handbook - Sam R. Alapati 2011-09-22 Master the Configuration and Administration of Oracle WebLogic Server 11g Oversee a robust, highly available environment for your mission-critical applications using the expert information in this Oracle Press guide. Oracle WebLogic Server 11g Administration Handbook explains the latest management techniques for the de facto application server for Oracle Fusion Middleware 11g> and provides detailed examples and best practices. Find out how to use the Oracle WebLogic Server Administration Console feature, employ command-line and scripting tools, implement

failover and migration capabilities, and generate reliable backups. Troubleshooting, tuning, and security procedures are also covered in this comprehensive resource. Install Oracle WebLogic Server 11g or upgrade from a previous version Configure domains, servers, clusters, custom networks, and virtual hosts Work with the Administration Console and Monitoring Dashboard features of Oracle WebLogic Server Use the WebLogic Scripting Tool (WLST) feature of Oracle WebLogic Server to manage and monitor domains Use the Oracle WebLogic Server Work Managers feature to optimize scheduled work Deploy Web applications, Enterprise JavaBeans, and Java EE modules Improve scalability and reliability using Oracle WebLogic Server clusters Monitor servers, tune the Java Virtual Machine, maximize throughput, and optimize performance Authenticate, authorize, and map users within defined security realms

Oracle on LinuxONE - Susan Adamovich 2019-08-08 Oracle Database 12c running on Linux is available for deployment on IBM® LinuxONE. The enterprise-grade Linux on LinuxONE solution is designed to add value to Oracle Database solutions, including the new functions that are introduced in Oracle Database 12c. In this IBM Redbooks® publication, we explore the IBM and Oracle Alliance and describe how Oracle Database benefits from LinuxONE. We then explain how to set up Linux guests to install Oracle Database 12c. We also describe how to use the Oracle Enterprise Manager Cloud Control Agent to manage Oracle Database 12c Release 1. Additionally, we discuss encryption for Oracle using Oracle Transparent Data Encryption (TDE) on Oracle 12c Release 2. We also describe a successful consolidation project from sizing to migration, performance management topics, and high availability. Finally, we end with a chapter

about surrounding Oracle with Open Source software. The audience for this publication includes database consultants, installers, administrators, and system programmers. This publication is not meant to replace Oracle documentation, but to supplement it with our experiences while installing and using Oracle products.

Oracle Solaris 10 System Virtualization Essentials -

Jeff Victor 2010-09-01

Virtualization and related technologies like hypervisors, which create virtual machines on a single hardware machine, and containers (also known as zones), which create virtual operating systems running on a single operating system, are a totally new area for many system administrators.

Oracle® Solaris™ 10 System Virtualization Essentials provides an accessible introduction to computer virtualization, specifically the system virtualization technologies that use the Oracle Solaris or OpenSolaris operating systems. This accessible guide covers the key

concepts system administrators need to understand and explains how to Use Dynamic Domains to maximize workload isolation on Sun SPARC systems Use Oracle VM Server for SPARC to deploy different Oracle Solaris 10 and OpenSolaris environments on SPARC CMT (chip multithreading) systems Use Oracle VM Server for x86 or xVM hypervisor to deploy a server with heterogeneous operating systems Use Oracle VM VirtualBox to develop and test software in heterogeneous environments Use Oracle Solaris Containers to maximize efficiency and scalability of workloads Use Oracle Solaris Containers to migrate Solaris 8 and Solaris 9 workloads to new hardware systems Mix virtualization technologies to maximize workload density Starting with a discussion of system virtualization in general terms—the needs of consolidation, the benefits of virtualization, and a description of the most common types of computer virtualization—this book also

covers many of the concepts, features, and methods shared by many implementations of system virtualization. Oracle's computer virtualization technologies that are directly related to the Oracle Solaris OS are described in detail along with a discussion of the factors that should be considered when choosing a virtualization technology. Finally, several examples of these technologies and an overview of virtualization management software are provided, as well as a history of virtualization.

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

Linux and Solaris Recipes for Oracle DBAs - Darl Kuhn 2015-11-27

Linux and Solaris Recipes for Oracle DBAs, 2nd Edition is an example-based book on managing Oracle Database under Linux and Solaris. 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 operating-system documentation. What this book provides instead is task-oriented coverage designed around the needs of the Oracle Database Administrator. Find the right chapter. Look up the task to perform. See the solution. Implement the solution straight away in your own environment. Get the job done. New in this edition is coverage of Oracle's own Solaris operating system. Oracle Corporation has been working diligently to bring commonality between Solaris

and Linux, and this book takes advantage of those efforts to provide task-oriented solutions that work on common distributions of Linux such as Red Hat Enterprise Linux and Oracle Enterprise Linux while also accommodating the growing number of Oracle Solaris customers. Examples in the book match the tasks DBAs perform daily, even hourly. Solutions come first in the book, but always are followed by close explanations of the details. Database administrators won't go wrong with Linux and Solaris Recipes for Oracle DBAs. It's the book to buy if you're after clear and reliable examples to help in getting the job done, and getting home to your family. Takes you directly from problem to solution Covers the "right" mix of operating-system tasks for database administrators Respects your time by being succinct and to-the-point Includes coverage of Solaris in addition to common Linux distributions What You Will Learn Execute Linux and Solaris commands

applicable to Oracle Database. Automate critical DBA tasks via operating-system shell scripts. Monitor, tune, and optimize Linux and Solaris servers for Oracle. Setup a VirtualBox environment for the Oracle database. Perform system administration tasks relevant to Oracle Database. Remotely (and securely!) manage Oracle on Linux and Solaris. Who This Book Is For Linux and Solaris Recipes for Oracle DBAs is a book for Oracle database administrators who want to expertly operate Oracle databases on the Linux and Solaris operating systems. If you're new to Linux and Solaris and can benefit from detailed examples showing how to perform tasks that Oracle DBAs perform on Linux and Solaris servers, then this book is what you need to help you get the job done, and get home on time.

DB2 Virtualization - Whei-Jen Chen 2009-11-25
Server virtualization technologies are becoming more popular to help efficiently utilize resources by

consolidating servers. IBM® , the first company that developed and made available the virtual technology in 1966, offers advanced, powerful, reliable, and cost-saving virtualization technologies in various hardware and software products including DB2® for Linux, UNIX, and Windows. This IBM Redbooks® publication describes using IBM DB2 9 with server virtualization. We start with a general overview of virtualization and describe specific server virtualization technologies to highlight how the server virtualization technologies have been implemented. With this introduction anyone new to virtualization will have a better understanding of server virtualization and the industry server virtualization technologies available in the market. Following the virtualization concept, we describe in detail the setup, configuration, and managing of DB2 with three leading server virtualization technologies: IBM Power Systems™ with

PowerVM™ VMware Hyper-V We discuss the virtual machine setup with DB2 in mind to help IT support understand the effective ways of setting up a virtual environment specific for DB2. We explain the architecture and components of these three server virtualization technologies to allow DBAs to understand how a database environment using DB2 can benefit from using the server virtualization technologies. In addition, we discuss the DB2 features and functions that can take advantage of using server virtualization. These features are put into practice when describing how to set up DB2 with the three virtualization technologies discussed in this book. This book also includes a list of best practices from the various tests performed while using these virtualization technologies. These best practices can be used as a guideline or a reference when setting up DB2 using these virtualization technologies. [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.

Systems Performance - Brendan Gregg 2014
The Complete Guide to Optimizing Systems Performance Written by the winner of the 2013 LISA Award for Outstanding Achievement in System Administration
Large-scale enterprise, cloud, and virtualized computing systems have introduced serious performance challenges. Now, internationally renowned performance expert Brendan Gregg has brought together proven methodologies, tools, and metrics for analyzing and tuning even the most complex environments. Systems Performance: Enterprise and the Cloud focuses on Linux® and Unix® performance, while illuminating performance issues that are relevant to all operating systems. You'll gain

deep insight into how systems work and perform, and learn methodologies for analyzing and improving system and application performance. Gregg presents examples from bare-metal systems and virtualized cloud tenants running Linux-based Ubuntu®, Fedora®, CentOS, and the illumos-based Joyent® SmartOS™ and OmniTI OmniOS®. He systematically covers modern systems performance, including the “traditional” analysis of CPUs, memory, disks, and networks, and new areas including cloud computing and dynamic tracing. This book also helps you identify and fix the “unknown unknowns” of complex performance: bottlenecks that emerge from elements and interactions you were not aware of. The text concludes with a detailed case study, showing how a real cloud customer issue was analyzed from start to finish. Coverage includes • Modern performance analysis and tuning: terminology, concepts, models, methods, and

techniques • Dynamic tracing techniques and tools, including examples of DTrace, SystemTap, and perf • Kernel internals: uncovering what the OS is doing • Using system observability tools, interfaces, and frameworks • Understanding and monitoring application performance • Optimizing CPUs: processors, cores, hardware threads, caches, interconnects, and kernel scheduling • Memory optimization: virtual memory, paging, swapping, memory architectures, busses, address spaces, and allocators • File system I/O, including caching • Storage devices/controllers, disk I/O workloads, RAID, and kernel I/O • Network-related performance issues: protocols, sockets, interfaces, and physical connections • Performance implications of OS and hardware-based virtualization, and new issues encountered with cloud computing • Benchmarking: getting accurate results and avoiding common mistakes This guide is indispensable for anyone who operates

enterprise or cloud environments: system, network, database, and web admins; developers; and other professionals. For students and others new to optimization, it also provides exercises reflecting Gregg's extensive instructional experience.

Oracle Cloud Infrastructure for Solutions Architects -

Prasenjit Sarkar 2021-10-01

Develop enterprise architect skills by building secure, highly available, and cost-effective solutions with Oracle Functions, Terraform, and the Oracle Cloud VMware Solution Key Features Explore Oracle's Gen 2.0 Cloud infrastructure and its high-performance computing capabilities Understand hybrid cloud capabilities and learn to migrate apps from on-premises VMware clusters to OCI Learn to create Kubernetes clusters and run containerized applications on Oracle's Container Engine Book Description Oracle Cloud Infrastructure (OCI) is a set of complementary cloud services that enables you to build and

run a wide range of applications and services in a highly available hosted environment. This book is a fast-paced practical guide that will help you develop the capabilities to leverage OCI services and effectively manage your cloud infrastructure. Oracle Cloud Infrastructure for Solutions Architects begins by helping you get to grips with the fundamentals of Oracle Cloud Infrastructure, and moves on to cover the building blocks of the layers of Infrastructure as a Service (IaaS), such as Identity and Access Management (IAM), compute, storage, network, and database. As you advance, you'll delve into the development aspects of OCI, where you'll learn to build cloud-native applications and perform operations on OCI resources as well as use the CLI, API, and SDK. Finally, you'll explore the capabilities of building an Oracle hybrid cloud infrastructure. By the end of this book, you'll have learned how to leverage the OCI and gained a solid

understanding of the persona of an architect as well as a developer's perspective. What you will learn Become well-versed with the building blocks of OCI Gen 2.0 Cloud Control access to your cloud resources using IAM components Manage and operate various compute instances Tune and configure various storage options for your apps Develop applications on OCI using OCI Registry (OCIR), Cloud Shell, OCI Container Engine for Kubernetes (OKE), and Service Mesh Discover ways to use object-relational mapping (ORM) to create infrastructure blocks using Terraform code Who this book is for This book is for cloud architects, cloud developers, and DevSecOps engineers who want to learn how to architect and develop on Oracle Cloud Infrastructure by leveraging a wide range of OCI IaaS capabilities. Working knowledge of Linux, exposure to basic programming, and a basic understanding of networking concepts are needed to get the most out of this book.

Oracle VM Manager 2.1.2 -

Tarry Singh 2009-07-15

Manage a Flexible and Elastic Data Center with Oracle VM Manager using this book and eBook.

Pro Oracle Fusion

Applications - Tushar Thakker
2015-09-02

Pro Oracle Fusion Applications is your one-stop source for help with installing Oracle's Fusion Applications suite in your on-premise environment. It also aids in the monitoring and ongoing administration of your Fusion environment. Author Tushar Thakker is widely known for his writings and expertise on Oracle Fusion Applications, and now he brings his accumulated wisdom to you in the form of this convenient handbook.

Provisioning an Oracle Fusion Applications infrastructure is a daunting task. You'll have to plan a suitable topology and install the required database, an enterprise-wide identity management solution, and the applications themselves—all while working with a wide variety of people who may not

always be accustomed to working together. Pro Oracle Fusion Applications provides a path to success that you won't want to be without. Beyond installation, Pro Oracle Fusion Applications provides excellent guidance on managing, monitoring, diagnostics, and troubleshooting your environment. The book also covers patching, a mundane but essential task that must be done regularly to keep your installation protected and running smoothly. The comprehensive and wide-ranging coverage makes Pro Oracle Fusion Applications an important book for anyone with responsibility for installation and ongoing management of an Oracle Fusion Applications installation.

Linux All-In-One For

Dummies - Richard Blum
2022-11-16

Linux is for everyone! Linux All-in-One For Dummies breaks down the ever-popular operating system to its basics and trains users on the art of Linux. This handy reference covers all the latest updates

and operating system features. It presents content on Linux desktops, applications, and more. With eight books in one, you'll have access to the most comprehensive overview of Linux around. Explore the inner workings of Linux machines, so you'll know Linux front to back. This all-inclusive handbook also walks you through solving Linux problems—complete with hands-on examples—so you'll be a Linux whiz before you know it. Get familiar with Linux as you install and customize the operating system Learn how to navigate the file system, use the Linux shell, and get online Become a Linux guru with server hosting, scripting, and security how-tos Study for your Linux certification by using this complete guide as your reference This book is a massive source of support for beginning and intermediate Linux users, as well as those looking to brush up on their knowledge for certification. And, thanks to the signature Dummies approach, it's also a lot of fun.

Scalable Data Architecture with Java - Sinchan Banerjee 2022-09-30

Orchestrate data architecting solutions using Java and related technologies to evaluate, recommend and present the most suitable solution to leadership and clients Key Features Learn how to adapt to the ever-evolving data architecture technology landscape Understand how to choose the best suited technology, platform, and architecture to realize effective business value Implement effective data security and governance principles Book Description Java architectural patterns and tools help architects to build reliable, scalable, and secure data engineering solutions that collect, manipulate, and publish data. This book will help you make the most of the architecting data solutions available with clear and actionable advice from an expert. You'll start with an overview of data architecture, exploring responsibilities of a Java data architect, and

learning about various data formats, data storage, databases, and data application platforms as well as how to choose them. Next, you'll understand how to architect a batch and real-time data processing pipeline. You'll also get to grips with the various Java data processing patterns, before progressing to data security and governance. The later chapters will show you how to publish Data as a Service and how you can architect it. Finally, you'll focus on how to evaluate and recommend an architecture by developing performance benchmarks, estimations, and various decision metrics. By the end of this book, you'll be able to successfully orchestrate data architecture solutions using Java and related technologies as well as to evaluate and present the most suitable solution to your clients. What you will learn

Analyze and use the best data architecture patterns for problems Understand when and how to choose Java tools for a data architecture Build

batch and real-time data engineering solutions using Java Discover how to apply security and governance to a solution Measure performance, publish benchmarks, and optimize solutions Evaluate, choose, and present the best architectural alternatives Understand how to publish Data as a Service using GraphQL and a REST API Who this book is for Data architects, aspiring data architects, Java developers and anyone who wants to develop or optimize scalable data architecture solutions using Java will find this book useful. A basic understanding of data architecture and Java programming is required to get the best from this book.

VMware Cookbook - Ryan Troy
2009-10-23

If you want to gain insight into the real-world uses of VMware ESX and ESXi, this book provides scores of step-by-step solutions for working with these products in a wide range of network environments. You'll not only learn the basics -- how to pool resources from

hardware servers, computer clusters, networks, and storage, and then distribute them among virtual machines -- but also the stumbling blocks you'll encounter when you monitor systems, troubleshoot problems, and deal with security. In addition to the recipes, VMware Cookbook includes background information to help you determine your virtualization needs. You'll come to view VMware as part of the real environment, alongside operating systems, storage, and logical and physical network components. Follow best practices for installing VMware in your environment Discover how to secure and monitor your network Understand disk storage implementation and configuration Learn resource management using the distributed resource scheduler, shares, and resource pools Configure logical and physical networks Learn how to clone and migrate servers Gain valuable tips for configuration and fine-tuning Many

resources can teach you about virtualization and the basics of VMware. This book is for system administrators who are ready to go beyond an introduction.

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

The Virginia Spectator -

University Of Virginia

2019-04-03

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DocBook: The Definitive Guide - Norman Walsh

1999-10-28

DocBook is a system for writing structured documents using SGML and XML. DocBook provides all the elements you'll need for technical documents of all kinds. A number of computer companies use DocBook for their documentation, as do several Open Source documentation groups, including the Linux Documentation Project (LDP). With the consistent use of DocBook, these groups can readily share and exchange information. With an XML-enabled browser, DocBook documents are as accessible on the Web as in print. DocBook : The Definitive Guide is the complete and official documentation of the DocBook Document Type Definition (DTD) and many of its associated tools. In this book, you'll find : A brief introduction to SGML and XML ; a guide to creating documents with the DocBook DTD and associated stylesheets. Information about using SGML and XML tools like jade and DSSSL ; a guide to customizing DocBook ; a

complete SGML and XML reference, including examples, for every DocBook element. In addition, the CD-ROM contains the complete source text of this book, in both SGML and HTML ; all the examples from the book ; DSSSL stylesheets that let you convert DocBook documents to RTF, LaTeX, or HTML ; The DocBook DTD for SGML, version 3*1 ; The DocBk DTD for XML, version 3*1*5. In an era of collaborative creation of technology, when information is needed online as often as in print, DocBook is the essential. documentation environment. "DocBook : The Definitive Guide" is the one essential source of information about that environment.

Design and Use of Virtualization Technology in Cloud Computing - Das,

Prashanta Kumar 2017-08-11
Cloud computing is rapidly expanding in its applications and capabilities through various parts of society. Utilizing different types of virtualization technologies can push this branch of computing to even greater heights. Design

and Use of Virtualization Technology in Cloud Computing is a crucial resource that provides in-depth discussions on the background of virtualization, and the ways it can help shape the future of cloud computing technologies. Highlighting relevant topics including grid computing, mobile computing, open source virtualization, and virtualization in education, this scholarly reference source is ideal for computer engineers, academicians, students, and researchers that are interested in learning more about how to infuse current cloud computing technologies with virtualization advancements.

Big Data Forensics - Learning

Hadoop Investigations - Joe

Sremack 2015-09-24

Perform forensic investigations on Hadoop clusters with cutting-edge tools and techniques

About This Book

Identify, collect, and analyze

Hadoop evidence forensically

Learn about Hadoop's internals

and Big Data file storage

concepts A step-by-step guide

to help you perform forensic

analysis using freely available tools Who This Book Is For This book is meant for statisticians and forensic analysts with basic knowledge of digital forensics. They do not need to know Big Data Forensics. If you are an IT professional, law enforcement professional, legal professional, or a student interested in Big Data and forensics, this book is the perfect hands-on guide for learning how to conduct Hadoop forensic investigations. Each topic and step in the forensic process is described in accessible language. What You Will Learn Understand Hadoop internals and file storage Collect and analyze Hadoop forensic evidence Perform complex forensic analysis for fraud and other investigations Use state-of-the-art forensic tools Conduct interviews to identify Hadoop evidence Create compelling presentations of your forensic findings Understand how Big Data clusters operate Apply advanced forensic techniques in an investigation, including file carving, statistical analysis,

and more In Detail Big Data forensics is an important type of digital investigation that involves the identification, collection, and analysis of large-scale Big Data systems. Hadoop is one of the most popular Big Data solutions, and forensically investigating a Hadoop cluster requires specialized tools and techniques. With the explosion of Big Data, forensic investigators need to be prepared to analyze the petabytes of data stored in Hadoop clusters. Understanding Hadoop's operational structure and performing forensic analysis with court-accepted tools and best practices will help you conduct a successful investigation. Discover how to perform a complete forensic investigation of large-scale Hadoop clusters using the same tools and techniques employed by forensic experts. This book begins by taking you through the process of forensic investigation and the pitfalls to avoid. It will walk you through Hadoop's internals and

architecture, and you will discover what types of information Hadoop stores and how to access that data. You will learn to identify Big Data evidence using techniques to survey a live system and interview witnesses. After setting up your own Hadoop system, you will collect evidence using techniques such as forensic imaging and application-based extractions. You will analyze Hadoop evidence using advanced tools and techniques to uncover events and statistical information. Finally, data visualization and evidence presentation techniques are covered to help you properly communicate your findings to any audience. Style and approach This book is a complete guide that follows every step of the forensic analysis process in detail. You will be guided through each key topic and step necessary to perform an investigation. Hands-on exercises are presented throughout the book, and technical reference guides and sample documents are

included for real-world use.

VirtualBox - Harry Colvin

2015-12-16

VIRTUALBOX An Ultimate Guide Book on Virtualization with VirtualBox This book is a guide to the user on how to use the VirtualBox. It begins by explaining what VirtualBox is, the reason why it is used, and how it is used. The next part is a guide to how one can install the VirtualBox in either Windows or the Linux operating systems. The book will guide you on the various installation steps for VirtualBox in these operating systems. The book then explores how a virtual machine can be created on the VirtualBox. You will learn how to choose the appropriate size for the VirtualBox, as well as how to choose the storage media for the virtual machine. You will also learn how to install and use Guest Additions in VirtualBox. Desktops are also explored, thus, the book will guide you on how to create them. Templates for the pool have also been discussed, and you will learn how to import

them into the pool. Cloning of desktops in a pool is also discussed in detail, thus, you will know how to do it. This book will guide you on how to assign desktops to users. Once you have set up the desktop, the book will guide you on how to establish a connection to it. Management of desktops is also explored. The following topics are discussed: Definition Installation of VirtualBox Creating a New Virtual Machine Installation of Guest additions for the VirtualBox How to create the Desktops How to import a Template into the Pool How to set up the Cloning Personalized How to assign users to the Desktops Establishing a connection to the Desktop Management of the Desktops Set up a shared folder Enabling logging for the .MSI host installer of VirtualBox CompTIA Network+ Guide to Networks - Jill West 2021-06-16 Master the technical skills and industry knowledge you need to begin an exciting career installing, configuring and

troubleshooting computer networks with West's completely updated NETWORK+ GUIDE TO NETWORKS, 9E. This resource thoroughly prepares you for success on the latest CompTIA's Network+ N10-008 certification exam as content corresponds to all exam objectives, including protocols, topologies, hardware, network design, security and troubleshooting. Detailed, step-by-step instructions as well as cloud, virtualization and simulation projects give you experience working with a variety of hardware, software and operating systems as well as device interactions. Stories from professionals on the job, insightful discussion prompts, hands-on activities, applications and projects all guide you in exploring key concepts in-depth. You gain the problem-solving tools for success in any computing environment. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Practical Oracle Database Appliance - Bobby Curtis

2014-03-05

Practical Oracle Database Appliance is a hands-on book taking you through the components and implementation of the Oracle Database Appliance. Learn about architecture, installation, configuration, and reconfiguration. Install and configure the Oracle Database Appliance with confidence. Make the right choices between the various configurations in order to realize your performance requirements. Manage and monitor the appliance to meet business requirements. Protect your data through proper backup and recovery procedures. Oracle Database is one of the most relied-up databases in industry. For many years Oracle Database was a software product that had to be installed and configured at no small expense. The Oracle Database Appliance makes Oracle Database into a plug-and-play proposition: Plug the appliance into the wall

socket, and turn it on. That's it. You have a running database server. This book takes you through that beginning point and beyond, helping you to realize in your own organization the ease of deployment and management represented by the appliance. Covers the Oracle Database Appliance from architecture through configuration.

Provides a technical resource for system- and database administrators. Examines practical use cases for the Oracle Database Appliance.

Building Database Clouds in Oracle 12c - Tariq Farooq
2016-06-06

An Expert Guide to Building Oracle Database Cloud Infrastructures This is the first complete, practical guide to architecting, designing, and building Database Clouds with Oracle 12c. Written by a veteran author team of Oracle gurus and ACE Directors, Building Database Clouds in Oracle 12c combines a real-world, hands-on operations guide with an expert handbook on Oracle Database-As-A-

Service (DBaaS) and Oracle Real Application Clusters (RAC). Writing for Oracle DBAs, DMAs, cloud administrators, and other Oracle professionals, the authors present authoritative technical information for database cloud build-out, management, monitoring, and day-to-day administration. The authors first explain the key concepts underlying DBaaS, describe cloud computing implementations related to it, and outline the business and technology benefits. Next, they show how the Oracle DBA's approach changes in cloud environments. Then, building on this foundation, they offer insider advice on all key facets of database cloud deployment and operation with Oracle Enterprise Manager 12c and Oracle RAC 12c. This guide helps you Make the business case for cloud computing with DBaaS Organize DBA responsibilities in cloud environments Plan, design, and deploy Database Clouds with Oracle's latest components Consolidate schema and

databases with Oracle Enterprise Manager 12c Use best practices for management, administration metering, and chargeback Clone databases quickly and reliably Set up grid infrastructure on Oracle VM for x86 or Oracle VM VirtualBox

Advances in Information and Communication - Kohei Arai
2020-02-24

This book presents high-quality research on the concepts and developments in the field of information and communication technologies, and their applications. It features 134 rigorously selected papers (including 10 poster papers) from the Future of Information and Communication Conference 2020 (FICC 2020), held in San Francisco, USA, from March 5 to 6, 2020, addressing state-of-the-art intelligent methods and techniques for solving real-world problems along with a vision of future research. Discussing various aspects of communication, data science, ambient intelligence, networking, computing,

security and Internet of Things, the book offers researchers, scientists, industrial engineers and students valuable insights into the current research and next generation information science and communication technologies.

ICT Systems Security and Privacy Protection - Audun Jøsang
2021-06-17

This book constitutes the refereed proceedings of the 36th IFIP TC 11 International Conference on Information Security and Privacy Protection, SEC 2021, held in Oslo, Norway, in June 2021.* The 28 full papers presented were carefully reviewed and selected from 112 submissions. The papers present novel research on theoretical and practical aspects of security and privacy protection in ICT systems. They are organized in topical sections on digital signatures; vulnerability management; covert channels and cryptography; application and system security; privacy; network security; machine learning for security; and security management. *The

conference was held virtually.

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.

ORACLE DEVELOPER 2000 -

PRANAB KUMAR DAS GUPTA

2008-10-05

The objective of this book is to cater to the needs of the students and professionals aspiring to become Oracle software developers. It covers the basics of Oracle Developer 2000, and exposes the readers to its important features and tools for application development. The concepts are explained with the help of numerous illustrations.

Workout sections and case studies are designed to provide a real-life experience of development of application software. The book is most suitable for beginners, including the students pursuing courses in engineering disciplines (B.Tech/M.Tech) and computer applications (MCA/BCA) and research students who wish to learn and master Oracle Developer 2000 for writing project reports and dissertations. Professionals, too, can learn and explore Oracle Developer, using this book as a guide. Key Features

□ More than 75 Examples □

Mini Case Studies in Workout Sections • A Real Life Case Study You will learn how to create: □ Form Components □ List of Values, Editor and Visual Attribute □ Input and Non-Input Items □ Message, Alerts, Menu and Function Key □ Mouse Events and Timer □ Item Interaction, Query and Validation Triggers □ Navigation and Transaction Triggers □ Window Interaction Trigger □ Parameter and Multiple Forms □ Report Builder Components □ Tabular, Form, and Group Type Reports □ Matrix Type Report □ Customization of a Report □ Calling Report from a Form CD-ROM Features: □ Contains programs of Examples, Workouts and Case Studies □ Programs are compatible with Oracle 8i, 9i and 10g

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

Experiences with Oracle 11gR2 on Linux on System z - Ivan Dobos 2013-11-22

Linux on System z offers many advantages to customers who rely on the IBM® mainframe systems to run their businesses. Linux on System z makes use of the qualities of service in the System z® hardware and in z/VM®, making it a robust industrial strength Linux. This provides an excellent platform for hosting Oracle solutions that run in your enterprise. This IBM Redbooks® publication is divided into several sections to share the following experiences that are gained while Oracle Database 11gR2 is installed and tested: Setting up Red Hat

Enterprise Linux 6 for Oracle Managing an Oracle on Linux on System z environment Provisioning Linux guests using several tools It also includes many general hints and tips for running Oracle products on IBM System z with Linux and z/VM. Interested readers include database consultants, installers, administrators, and system programmers. This book is not meant to replace Oracle documentation but to supplement it with our experiences while Oracle products are installed and used.

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.