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*Oracle Clusterware And Real
Application Clusters
Administration Deployment
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This book is a practical step-by-step tutorial with screenshots for carrying out tasks showing you how to manage and administer your data center with Oracle Enterprise Manager. It is packed with best practices and tips that will help you benefit from the author's extensive

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experience of working with Oracle Enterprise Manager since at least a decade, and combined with his 25+ years IT industry experience. If you are a Data Center, IT or Database Team manager who wants to take advantage of the automation and compliance benefits of Enterprise Manager 12c Cloud Control, then Oracle Enterprise Mana.

This book provides practical guidelines to administer the Oracle Oracle Real Application Cluster. It's a field guide to administer RAC in real life situation. This

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book will improve your efficiency as an Oracle database administrator and enable you to master more daunting, difficult administrative, tuning, and troubleshooting tasks than you ever thought possible. Topics covered include: Oracle RAC Architecture, Cluster Administration, Storage, Instance and Service administration. Adding, deleting Nodes, Managing Backup and Recovery, Performance monitoring and Workload Management and it also has useful Metalink note references. This practical field guide

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also covers a section on useful Metalink Note References, useful weblinks for easy reference and also the useful information search tips on Metalink.

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

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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

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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 RAC technology is the advance level of database which is designed to provide high availability and scalability. Oracle RAC is installed on multiple servers and it forms the foundation for database

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*cloud. Build a Strong Foundation in Oracle
grid, Clusterware Installation with this
book for Beginners.- Introduction to
clusterware technology- Oracle cluster
node setup- Oracle 11g grid software
installation- Setup two node RAC- Create
first Oracle RAC database- Oracle RAC and
ASM administrationA strong RAC Beginners
eBook for IT Professionals World
Wide!Oracle RAC allows multiple computers
to run Oracle RDBMS software
simultaneously while accessing a single
database, thus providing clustering. The*

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main aim of Oracle RAC online course is to implement a clustered database to provide performance, scalability and resilience. It's a clustered version of Oracle Database based on a comprehensive high availability stack. The Oracle 11gR2 Real Application Clusters Administration eBook describes the Oracle RAC architecture, hands on experience and Oracle Real Application Clusters multi node installations. This eBook is for people who have prior knowledge on Oracle database administration and covers

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knowledge on topics like Oracle RAC Cluster, Oracle AMS, Oracle RAC administration, Oracle RAC Installation, Oracle RAC on VirtualBox and many more.
ORACLE REAL APPLICATION CLUSTERS TESTING AND TUNING

Oracle on IBM Z

Oracle Database 11g Oracle Real Application Clusters Handbook, 2nd Edition
Pro Oracle Database 10g RAC on Linux
Oracle Rac Performance Tuning

A guide to the installation and configuration of Oracle9i RAC covers such topics as the design of RAC clusters,

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configuration of TAF, and monitoring and tuning RAC applications.

"In this Oracle 11g RAC training course, expert trainer Steve Hamilton explains Oracle's Real Application Clusters (RAC) and provides a detailed look at installing and configuring Oracle's RAC environment. This course is designed for an aspiring Oracle database administrator (DBA) or a currently practicing DBA. This RAC training course starts out by teaching you the system, Oracle, and host requirements. You then jump right into learning how to install ASM and Grid Infrastructure Software, create disk groups, and tuneing RAC. Steve will take you through RAC diagnostics and how to identify potential RAC

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problems and troubleshoot. He will teach you about the RAC and Cluster utilities, RAC architecture, and how to add and remove nodes. By the completion of this video based training course, you will have a fundamental understanding of how to install, configure, and maintain Oracle's RAC environment. Working files are included, allowing you to follow along with the author throughout the lessons."--Resource description page.

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.

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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

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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.

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

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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-

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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

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Oracle Enterprise Manager Cloud Control 12c

Oracle on LinuxONE

Personal Oracle RAC Clusters

**The Essential Guide to Oracle Automatic Storage
Management**

Installation, Administration, and Performance

Written by Oracle insiders, this indispensable guide distills an enormous amount of information about the Oracle Database into one compact volume. Ideal for novice and experienced DBAs, developers, managers, and users, Oracle Essentials walks you through technologies and features in Oracle's product line, including its

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architecture, data structures, networking, concurrency, and tuning. Complete with illustrations and helpful hints, this fifth edition provides a valuable one-stop overview of Oracle Database 12c, including an introduction to Oracle and cloud computing. Oracle Essentials provides the conceptual background you need to understand how Oracle truly works. Topics include: A complete overview of Oracle databases and data stores, and Fusion Middleware products and features Core concepts and structures in Oracle's architecture, including pluggable databases Oracle objects and the various datatypes Oracle supports System and database management,

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including Oracle Enterprise Manager 12c Security options, basic auditing capabilities, and options for meeting compliance needs Performance characteristics of disk, memory, and CPU tuning Basic principles of multiuser concurrency Oracle's online transaction processing (OLTP) Data warehouses, Big Data, and Oracle's business intelligence tools Backup and recovery, and high availability and failover solutions

This comprehensive guide has been fully updated to cover the latest features and tools of Oracle Real Application Clusters 12c Through clear instruction and detailed examples, Oracle Database 12c Real Application Clusters

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Handbook: Concepts, Administration, Tuning & Troubleshooting teaches how to build, configure, and maintain a dynamic enterprise computing infrastructure. This thoroughly revised edition covers best uses for the latest tools and features—all from the practical standpoint of a working DBA. You will discover how to prepare hardware, configure the software, optimize data integrity, and integrate seamless failover protection. Brand-new flex and large cluster technologies are explained in full detail, and readers will get complete solutions for securing data and continuing business operations in the event of hardware failure. Presents all the new

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information needed to effectively use Oracle Real Application Clusters 12c -considered the most radical overhaul ever Offers detailed coverage of troubleshooting, performance tuning, and application development

The Practical, Authoritative, 360-Degree Technical Guide to Oracle Exadata: From Setup to Administration, Optimization, Tuning, and Troubleshooting The blazingly fast Oracle Exadata Database Machine is being embraced by thousands of large-scale users worldwide: by governments, the military, enterprise organizations, cloud service providers, and anyone who needs extreme

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performance. Now, Oracle Exadata Expert's Handbook provides authoritative guidance to running Oracle Exadata with maximum reliability, effectiveness, performance, and efficiency. Six renowned Oracle technology experts have brought together core technical information, experience, best practices, and insider tips in a concise reference. Covering both 11g and 12c versions of Oracle Exadata software, they deliver hands-on coverage of best practices, setup, migration, monitoring, administration, performance tuning, and troubleshooting. Whether you're an Oracle Exadata DBA, DMA, architect, or manager, you need these insights. Get a 360-degree

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*overview of the Oracle Exadata Database Machine
Efficiently deploy RAC within the Oracle Exadata ecosystem Fully leverage Storage Cell's extraordinary performance, via Offloading, Smart Scans, and Hybrid Columnar Compression Manage Exadata with OEM 12c: perform setup, configuration, asset/target discovery, and day-to-day administration Tune Oracle Exadata for even better performance Perform Exadata Backup/Recovery/DR with RMAN and Data Guard Migrate to Oracle Exadata from other platforms Use Oracle Exadata with the ZFS Storage Appliance Consolidate within the Exadata Database Cloud*

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Practical guide to RAC architecture for data base managers to manage Oracle9i clusters.

Become an Oracle Real Application Cluster Administrator in Just 2 Weeks!

Oracle Database 11g Release 2 High Availability: Maximize Your Availability with Grid Infrastructure, RAC and Data Guard

Configuration for 2 Nodes Cluster RAC

Oracle10g Grid Computing with RAC

Oracle Real Application Clusters (RAC) and Sun Cluster 3.x Software

Expert Oracle RAC 12c is a hands-on book

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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

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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

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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

This IBM® Redpaper™ publication describes experiences gained while installing Oracle Database 11gR2 with Grid Infrastructure (GI). It covers the set up and installation process for these environments: Setting up Red Hat Enterprise Linux 5 with DASD Setting up Red Hat Enterprise Linux 5 with FCP/SCSI

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Setting up SLES11 with DASD Setting up SLES11 with FCP/SCSI disks Examples include the installation of the Grid Infrastructure, installation of a single instance database and installation of a two-node Real Application Cluster (RAC) database. In all cases, we use UDEV rules for DASD and single path SCSI, and multipathing for multi-path SCSI to provide device persistency for ASM storage, not ASMLib. Interested readers would include database consultants, installers, administrators, and system

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programmers. This is not meant to replace Oracle documentation, but to supplement it with our experiences while installing and using Oracle Database products. We made extensive uses of My Oracle Support notes. 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

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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

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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

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consolidation features in Oracle Database 12c Helps you evaluate and correctly decide when to consolidate Leads to cost savings and improved data center efficiency

The Oracle Press guide to tuning Oracle Real Application Clusters (RAC) Written by an Oracle RAC expert and president of the Oracle RAC Special Interest Group, Oracle Real Application Clusters Testing and Tuning provides comprehensive coverage of the features, technology, and principles of testing and tuning an Oracle RAC

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database by dissecting the various tiers of its implementation. These include the operating system, network, application, instance, database, and clusterware. This book provides step-by-step advice for removing bottlenecks, minimizing downtime, and increasing overall system performance. Oracle Real Application Clusters Testing and Tuning Includes practical, step-by-step scenarios Contains real-world examples and illustrations Outlines an effective analysis and approach to tuning the database Provides script samples that

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illustrate various Oracle RAC features
This Oracle Press Guide covers: Testing Methodology; Testing Hardware for Scalability; Testing Hardware for Availability; Testing Application for Scalability; Tuning Tools and Utilities; Cost Based Optimizer; SQL Tuning; Parallel Query Tuning; Tuning the Database; Tuning Recovery; Tuning Oracle Net; Tuning Storage Subsystem; Block Size Optimization; Tuning the Cluster Interconnect; Tuning the Global Cache Management; Optimization of Distributed

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Workload; Tuning the Oracle; Clusterware
Tuning Third-party Applications for RAC
Oracle 11gR2 RAC For Beginners
Oracle Database 12c Release 2 Real
Application Clusters Handbook: Concepts,
Administration, Tuning & Troubleshooting
Cluster RAC Oracle 19c
Learning Oracle 11g
Oracle Essentials

Annotation Oracle RAC or Real Application Clusters is a grid computing solution that allows multiple nodes (servers) in a clustered system to mount and open a single database that resides on shared disk storage. Should a single system

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(node) fail, the database service will still be available on the remaining nodes. Oracle RAC is an integral part of the Oracle database setup. You have one database with multiple users accessing it, in real time. This book will enable DBAs to get their finger on the pulse of the Oracle 11g RAC environment quickly and easily. This book will cover all areas of the Oracle RAC environment and is indispensable if you are an Oracle DBA who is charged with configuring and implementing Oracle 11g R1, with bonus R2 information included. This book presents a complete method for the configuration, installation, and design of Oracle 11g RAC, ultimately enabling rapid administration of Oracle 11g RAC environments. This practical handbook documents how to administer a complex Oracle 11g RAC environment. Packed with real world

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examples, expert tips and troubleshooting advice, the book begins by introducing the concept of Oracle RAC and High Availability. It then dives deep into the world of RAC configuration, installation and design, enabling you to support complex RAC environments for real world deployments. Chapters cover Oracle RAC and High Availability, Oracle 11g RAC Architecture, Oracle 11g RAC Installation, Automatic Storage Management, Troubleshooting, Workload Management and much more. By following the practical examples in this book, you will learn every concept of the RAC environment and how to successfully support complex Oracle 11g R1 and R2 RAC environments for various deployments within real world situations. This book is the updated release of our previous Oracle 11g R1/R2 Real

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Application Clusters Handbook. If you already own a copy of that Handbook, there is no need to upgrade to this book. Grid architecture is Oracle's strategy for high-end computing and RAC is the stepping stone into this arena. This book focuses on current technology including all valid RAC features up through Oracle Database 10g Release 2, with a primary focus on deploying it in a high-end grid environment. The book discusses this technology at length which users will find beneficial when researching, implementing or monitoring a RAC environment. The author covers workshop implementation of services and the distribution of workload across instances, with threshold definitions and the new load balancing algorithms. In addition it includes detailed discussions on ASM that complements the implementation of

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RAC in Oracle Grid strategy. The book also includes discussions on new Oracle Clusterware, its components and its integration with RAC. Oracle 10g RAC focuses on RAC-specific topics including ASM, operating system configuration, installation and configuration of RAC and much more. Coverage includes network configuration for high availability, FAN, TAF, ONS, implementation of maximum availability architecture (MAA), EM Grid Control, AWR, ADDM and other performance-related tools. The author includes several scripts for performance tuning and implementation that the reader can use to configure a RAC environment either on a 2, 4, 8, 60 or 99 node configuration. Focuses on implementing, testing and tuning features of Real Application Clusters (RAC) database version 10g Release 2 Provides extensive

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coverage of usage, day-to-day functions and operations
Includes tips and techniques such as script samples to illustrate various features of RAC A jumpstart into all the key features of 10g R2 RAC

Grid architecture is Oracle's strategy for high-end computing and RAC is the stepping stone into this arena. This book focuses on current technology including all valid RAC features up through Oracle Database 10g Release 2, with a primary focus on deploying it in a high-end grid environment. The book discusses this technology at length which users will find beneficial when researching, implementing or monitoring a RAC environment. The author covers workshop implementation of services and the distribution of workload across instances, with threshold definitions and the new load

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balancing algorithms. In addition it includes detailed discussions on ASM that complements the implementation of RAC in Oracle Grid strategy. The book also includes discussions on new Oracle Clusterware, its components and its integration with RAC. Oracle 10g RAC focuses on RAC-specific topics including ASM, operating system configuration, installation and configuration of RAC and much more. Coverage includes network configuration for high availability, FAN, TAF, ONS, implementation of maximum availability architecture (MAA), EM Grid Control, AWR, ADDM and other performance-related tools. The author includes several scripts for performance tuning and implementation that the reader can use to configure a RAC environment either on a 2, 4, 8, 60 or 99 node configuration. Focuses on implementing,

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testing and tuning features of Real Application Clusters (RAC) database version 10g Release 2 Provides extensive coverage of usage, day-to-day functions and operations Includes tips and techniques such as script samples to illustrate various features of RAC A jumpstart into all the key features of 10g R2 RAC

Leverage Oracle Database 11g Release 2 High Availability Features Protect your critical business assets and achieve maximum database uptime using the detailed information in this Oracle Press guide. Oracle Database 11g Release 2 High Availability: Maximize Your Availability with Grid Infrastructure, Oracle Real Application Clusters, and Oracle Data Guard, Second Edition provides cost-effective solutions to current availability challenges. Discover how to grid-enable

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your IT framework, roll out Oracle Real Application Clusters, maintain standby databases, and deploy Oracle Flashback. Monitoring, tuning, and disaster recovery techniques are also covered in this comprehensive resource. Install Oracle Clusterware (as part of Oracle's grid infrastructure) or upgrade from an earlier version Build test clusters and hosts using Oracle VM Work with Oracle Automatic Storage Management and Oracle Automatic Storage Management Cluster File System Create synchronized standby databases using Oracle Data Guard Reliably archive and restore data with Oracle Recovery Manager Use Oracle Flashback to identify and undo user errors Configure Oracle Enterprise Manager Grid Control for management of an Oracle maximum availability architecture environment

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Create Oracle 10g Grid Computing At Home

Oracle Real Application Clusters

Oracle9i RAC

Oracle 10g RAC Grid, Services and Clustering

Experiences with Oracle Database 12c Release 1 on Linux
on System z

Linux on System z offers many advantages to customers who run 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

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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 Systems 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.

Implement a Centralized Cloud Storage Infrastructure with Oracle Automatic Storage Management Build and manage a scalable, highly available cloud storage solution. Filled with detailed examples and best practices, this Oracle Press guide explains how to set up a complete cloud-based storage system using Oracle

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Automatic Storage Management. Find out how to prepare hardware, build disk groups, efficiently allocate storage space, and handle security. Database Cloud Storage: The Essential Guide to Oracle Automatic Storage Management shows how to monitor your system, maximize throughput, and ensure consistency across servers and clusters. Set up and configure Oracle Automatic Storage Management Discover and manage disks and establish disk groups Create, clone, and administer Oracle databases Consolidate resources with Oracle Private Database Cloud Control access, encrypt files, and assign user privileges Integrate replication, file tagging, and automatic failover Employ pre-engineered private cloud database consolidation tools Check for data consistency and resync failed disks Code examples in the book are available for download

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Thousands of IT organizations have adopted clustering to improve the availability of mission-critical software services. Today, with the rapid growth of cloud computing environments, clustering is even more crucial. Now, there's a comprehensive, authoritative guide to the industry's most stable, robust clustering platform: Oracle Solaris Cluster. Oracle® Solaris Cluster Essentials thoroughly covers both Oracle Solaris Cluster 3.2 and Oracle Solaris Cluster Geographic Edition, offering start-to-finish lifecycle guidance for planning, implementation, management, and troubleshooting. Authored by Oracle Solaris Cluster expert Tim Read, this book covers both high availability and disaster recovery features, and offers detailed guidance for both Oracle and non-Oracle database environments. It also presents several example implementations that can be used to quickly construct effective

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proofs-of-concept. Whether you're new to clustering or upgrading from older solutions, this book brings together all the information you'll need to maximize the value, reliability, and performance of any Oracle Solaris Cluster environment. You'll learn how to Understand Oracle Solaris Cluster's product features and architecture, and their implications for design and performance Establish requirements and design clustered systems that reflect them Master best practices for integrating clustering with virtualization Implement proven disaster recovery planning techniques Efficiently maintain Oracle Solaris Cluster environments Part of the Solaris System Administration Series, Oracle® Solaris Cluster Essentials combines a complete technology introduction and hands-on guide for every architect, administrator, and IT manager responsible for high availability and business continuity

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This book presents the installation of an Oracle RAC 11g cluster with 2 nodes. It is primarily intended for Oracle DBAs with a good culture on the functioning of a RAC cluster. System and network skills are essential. The objective here is to present a test mode an RAC cluster for training and in no way a production case.

Practical Oracle Database Appliance

Experiences with Oracle 11gR2 on Linux on System z

Oracle 11g R1/R2 Real Application Clusters Essentials

Expert Oracle Enterprise Manager 12c

Oracle Database 12c

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

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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

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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. Oracle Database 12c Release 1 is now supported on Linux on IBM® System z®. This platform offers many

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advantages to customers who rely upon the IBM mainframe systems to run their businesses. Linux on System z takes advantage of the qualities of service in the System z hardware and in IBM z/VM®, making it a robust industrial strength version of Linux. This provides an excellent platform for hosting Oracle solutions that run in an enterprise. This IBM Redbooks® publication shares experiences that are gained while installing and testing Oracle Database 12c Release 1: Recommendations about how to set up an infrastructure Installing an Oracle Grid Infrastructure Installing Oracle 12C R1 Real Application Clusters (RAC) and creating a RAC Database, including a multitenant database Using the Cloud Control Agent to

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manage Oracle Database 12c Release 1 Installing Oracle WebLogic Server 12c Upgrading from an Oracle Database from 11gR2 to 12c Release 1 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. A guide for Oracle DBAs who are too busy to build a clustered server environment to learn about Oracle's Real Application Cluster technology, this book allows DBAs to build and configure a Real Application Cluster quickly and inexpensively. Covers how to find the right hardware to build an at-home RAC, where to get Linux

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and how to set it up, how to install the Oracle Cluster Manager, and how to create the RAC database.

This text presents a complete guide to the installation, configuration and design of Oracle Grid and RAC. It supplies expert internals of shared disk technology, raw devices and RAID, and exposes the internal configuration methods for server blades. The text also demonstrates the use of Oracle Grid using the Enterprise Manager Grid control utility.

Database Cloud Storage

Creating Highly Available Database Solutions

Expert Oracle RAC 12c

Oracle Solaris Cluster Essentials

Oracle Exadata Expert's Handbook

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Oracle Database 12c Release 1 running on Linux is available for deployment on the IBM ZTM 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

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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.

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-

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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

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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

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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

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experts in troubleshooting RAC problems. Table of Contents Overview of Oracle RAC Clusterware Management and Troubleshooting RAC Operational Practices RAC New Features Storage and ASM Practices Application Design Issues Managing and Optimizing a Complex RAC Environment Backup and Recovery in RAC Network Practices in RAC RAC Database Optimization Locks and Deadlocks Parallel Query in RAC Clusterware and Database Upgrades Oracle RAC One Node

The world's most successful banks run on IBM®, and increasingly IBM LinuxONE. Temenos, the global leader in banking software, has worked alongside IBM

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for many years on banking deployments of all sizes. This book marks an important milestone in that partnership. Temenos on IBM LinuxONE Best Practices Guide shows financial organizations how they can combine the power and flexibility of the Temenos solution with the IBM platform that is purpose built for the digital revolution.

This book explains how to architect and deploy high availability (HA) solutions with Oracle Real Application Clusters (Oracle RAC) in a Sun(tm) Cluster 3.x environment. It presents information to help you decide when an Oracle RAC and Sun Cluster software solution is appropriate to satisfy the availability

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requirements of your business. In addition, this book explains the technology behind these products, describes successful customer deployments, and provides technical tips and preferred practice recommendations. This book features detailed case studies, including A large German bank that has implemented an Oracle RAC and Sun Cluster software solution to meet the ever-increasing business demands of the banking industry. One of the largest companies in Europe for alpine skiing that has implemented Oracle RAC and Sun Cluster software to support HA requirements in a consolidated environment. A benchmark case that describes the use of Oracle RAC

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with Sun's Remote Shared Memory (RSM) technology to improve the performance of single-instance databases. A large financial institution that uses Sun Cluster's HA Oracle agent to provide the necessary level of HA required for their database.

Oracle Real Application Cluster Performance and Tuning

Oracle Database 10 G Real Application Clusters Handbook

Real Application Clusters

Temenos on IBM LinuxONE Best Practices Guide

Installing Oracle 11gR2 RAC on Linux on System z

Master Oracle Real Application Clusters Maintain a

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dynamic enterprise computing infrastructure with expert instruction from an Oracle ACE. Oracle Database 11g Oracle Real Application Clusters Handbook, Second Edition has been fully revised and updated to cover the latest tools and features. Find out how to prepare your hardware, deploy Oracle Real Application Clusters, optimize data integrity, and integrate seamless failover protection.

Troubleshooting, performance tuning, and application development are also discussed in this comprehensive Oracle Press guide. Install and configure Oracle Real Application Clusters Configure and manage diskgroups using Oracle Automatic Storage

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Management Work with services, voting disks, and Oracle Clusterware Repository Look under the hood of the Cache Fusion and Global Resource Directory operations in Oracle Real Applications Clusters Explore the internal workings of backup and recovery in Oracle Real Application Clusters Employ workload balancing and the Transparent Application Failover feature of an Oracle database Get complete coverage of Stretch Clusters, also known as Metro Clusters Troubleshoot Oracle Clusterware using the most advanced diagnostics available Develop custom Oracle Real Application Clusters applications.

This book is the first of its kind, a book dedicated to

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tuning the Oracle high availability RAC architecture. Oracle RAC databases are flexible and robust, and along with this flexibility comes complexity, making RAC tuning one of the most challenging areas of Oracle tuning. Packed with incisive insights and examples from one of America's leading RAC experts, guru Brian Peasland delivers an indispensable book for all RAC administrators who need to guarantee that their RAC systems run at optimal performance. It's not enough for the DBA to maintain and control RAC database, the RAC DBA must also have an arsenal of tools and scripts that will help them ensure that their RAC database run at optimal levels. This book will be

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valuable to all Oracle professionals who must tune their Oracle RAC systems for peak performance.

Similar to tuning Oracle database systems in general, Oracle RAC performance tuning covers a wide variety of focus areas. Topics will include Oracle wait events specific to RAC deployments, using Oracle Enterprise Manager Grid Control and AWR in diagnosing RAC problems, and RAC utilities such as OS Watcher and ORAchk (formerly RACcheck). This book will also discuss architecture issues related RAC performance, delving into the cluster interconnect, physical disk layout and Oracle 12c new Flex Clusters. Oracle RAC also allows the workload the spread among several low

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cost servers (scale-out) rather than a large single server (scale-up), and this book examines these approaches from a tuning perspective. Many companies are working towards private cloud implementations using RAC, and this book is perfect for the DBA's charged with . Oracle 12c RAC raises the bar with its new multi-tenant database implementation. Think of multi-tenant as virtualization at the database level. As more companies start leveraging Oracle 12c RAC for their enterprise database architecture, it is important that the system be designed and tuned properly to ensure the application has a well-performing user experience.

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This unique book provides a one-stop location for any RAC DBA who must become a RAC performance tuning specialist. Most Oracle RAC books on the market devote only one chapter to performance tuning. The information in this book provides a solid foundation for one's first RAC deployment, and provide you with the tools and methods needed to keep your complex RAC systems running optimally. While this book is not for beginners, the reader is given sufficient background throughout the chapters so that most Oracle DBAs, even those with little Oracle RAC experience, will be able to understand its contents. Oracle RAC is inherently complex. This explains the

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concepts before delving into highly technical areas. Many in-depth areas of RAC tuning are explored that help the DBA reveal hidden performance trends within even the most complex RAC database.

Maximize database availability; scalability; and efficiency using Oracle Real Application Clusters (RAC) and the in-depth information contained in this official Oracle Press guide. --

An in-depth GT tuning Oracle Real Application Clusters - the flexible, scalable, high availability database solution

Oracle Grid and Real Application Clusters: Oracle Grid Computing with Rac

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*Oracle Database 11g Oracle Real Application Clusters
Handbook, 2nd Edition, 2nd Edition*

Managing Data Center Chaos

*Oracle Real Application Clusters Configuration and
Internals*

Oracle 10g Grid and Real Application Clusters

**Master Oracle Real Application Clusters Maintain a
dynamic enterprise computing infrastructure with expert
instruction from an Oracle ACE. Oracle Database 11g
Oracle Real Application Clusters Handbook, Second
Edition has been fully revised and updated to cover the
latest tools and features. Find out how to prepare your
hardware, deploy Oracle Real Application Clusters,**

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optimize data integrity, and integrate seamless failover protection. Troubleshooting, performance tuning, and application development are also discussed in this comprehensive Oracle Press guide. Install and configure Oracle Real Application Clusters Configure and manage diskgroups using Oracle Automatic Storage Management Work with services, voting disks, and Oracle Clusterware Repository Look under the hood of the Cache Fusion and Global Resource Directory operations in Oracle Real Applications Clusters Explore the internal workings of backup and recovery in Oracle Real Application Clusters Employ workload balancing and the Transparent Application Failover feature of an Oracle database Get complete coverage of Stretch

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Clusters, also known as Metro Clusters Troubleshoot Oracle Clusterware using the most advanced diagnostics available Develop custom Oracle Real Application Clusters applications

*** Only book on the market to actually show you how to build an Oracle RAC cluster on Linux. * Author expertise & quality: Steve Shaw's Hammerora project is one of the most visited sites in SourceForge.net. Julian Dyke is Chair of UK Oracle User Group RAC SIG and a member of the Oak Table Network. * Based on latest Oracle release (10g R2) which we anticipate being the release where the largest number of customers migrate from existing single instance databases to RAC clusters. * Linux is highest growth sector in relational database**

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market and Oracle has 69% of that market (Gartner).

Expert Consolidation in Oracle Database 12c

Pro Oracle Database 11g RAC on Linux

Oracle Real Application Cluster Field DBA Admin

Handbook