

Oracle Real Application Clusters Installation Guide

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Expert Oracle RAC Performance Diagnostics and Tuning Apress

New Oracle database administrators can get off the ground running. This book helps you develop the ability to think on your feet and move focus in an instant from arcane syntax details to broad, corporate issues. Along the way, you will see how to create your first database and implement best practices to ensure a well-running database system. What makes Oracle DBA Mentor different is that it also teaches you how to obtain answers that are not found in this or other books. Focus is given to creating a test bed and running test cases to examine hypotheses and prove out solutions so you can be sure they work in production. Attention is given to navigating product documentation and networking in forums and social media to build your skills and a network to draw on when solving problems under pressure. There are chapters of step-by-step technical content as well as coverage of essential skills to succeed as a DBA no matter which database engine you administer. By the time you are done reading this book, you will have confidence to face many of the situations thrown in your direction. You will know where to go for the answers you don't yet know that you need. You'll be able to work and troubleshoot under pressure. You'll know how to create a database, institute backup and recovery procedures, secure the database and its valuable corporate data, and acquire more knowledge as needed so you can run a database to meet the needs of your organization. What You'll Learn Install Oracle Database with best practices Implement backup and recovery procedures Understand the fundamentals of databases and data security Find answers to technical problems using Oracle documentation, Oracle Support, and other resources Patch and upgrade an Oracle database Who This Book Is For The novice database administrator who wants help getting off the ground with their DBA career, and in building the skills to let that career flourish in the long term. Mid-level DBAs will also find the book helpful as they try to grow their career to the next level. While the book is

geared toward the Oracle platform, database administrators from other platforms can benefit from the soft skills covered in this book.

Oracle 10g RAC Grid, Services and Clustering Addison-Wesley Professional

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 (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 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 Application Clusters Handbook. If you already own a copy of that Handbook, there is no need to upgrade to this book.

Oracle Exadata Expert's Handbook IBM Redbooks

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 cloud. Build a Strong Foundation in Oracle grid, Clusterware Installation with this Video Course 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 administration A 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 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 knowledge on topics like Oracle RAC Cluster, Oracle AMS, Oracle RAC administration, Oracle RAC Installation, Oracle RAC on VirtualBox and many more.

Temenos on IBM LinuxONE Best Practices Guide IBM Redbooks This IBM Redbooks publication describes

experiences gained while installing and testing several Oracle® solutions, such as: - Single Instance of Oracle Database 10gR2 - Including sharing ORACLE_HOME and Cloning Oracle databases - RAC Instance of Oracle Database 10gR2 using raw devices, block devices, or OCFS2 files - Oracle E-Business Suite 11.5.10.2 with a split configuration database on Linux on System z - Oracle AS10g Interested readers include database consultants, installers, administrators, and system programmers. This book is not meant to replace Oracle documentation; it documents our experiences installing Oracle products. Oracle Rac Performance Tuning Elsevier

A guide to the installation and configuration of Oracle9i RAC covers such topics as the design of RAC clusters, configuration of TAF, and monitoring and tuning RAC applications.

Learning Oracle 11g Rampant TechPress
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, 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 Clusters, also known as Metro Clusters Troubleshoot Oracle Clusterware using the most advanced diagnostics available Develop custom Oracle Real Application Clusters applications Oracle Solaris Cluster Essentials Apress 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 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, 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

Oracle 11gR2 RAC for Beginners
Rampant Techpress

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

Oracle9i RAC Apress

A high-level handbook on how to develop auditing mechanisms for HIPAA compliant Oracle systems focuses on the security access and auditing requirements of the Health/Insurance Portability and Accountability Act of 1996 and discusses Oracle auditing features such as redo logs, system-level triggers, Oracle9i and the retrieval of sensitive data, and other key topics. Original. (Advanced) Oracle Privacy Security Auditing Packt Publishing Ltd

This book presents the installation of an Oracle RAC 19c 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 model of an RAC cluster for training and in no way a production case.

Includes Federal Law Compliance with HIPAA, Sarbanes Oxley and the Gramm Leach Bliley Act GLB Apress

This IBM® Redpaper™ publication will help you plan, install, tailor, and configure the new IBM PowerHA® with IBM HyperSwap® clustering solution. PowerHA with HyperSwap adds transparent storage protection for replicated storage, improving overall system availability by masking storage failures. The PowerHA cluster is an Extended Distance cluster with two sites. It manages, in principle, the replicated storage infrastructure through HyperSwap functionality. The storage is provided by two DS8800s configured to replicate each other using Metro Mirror Peer-to-Peer Remote Copy (PPRC) synchronous replication. DS8800 supports in-band (SCSI commands) communication, which is used to manage (and automate) the replication using IBM AIX® HyperSwap framework and PowerHA automation and management capabilities.

Oracle Database 12c Release 2 Real Application Clusters Handbook: Concepts, Administration, Tuning & Troubleshooting Rampant TechPress Oracle Database 11g Oracle Real Application Clusters Handbook, 2nd Edition McGraw Hill Professional Installing Oracle 11gR2 RAC on Linux on System z Lulu.com

This quick reference provides step-by-step instructions on setting up Oracle9i RAC to run on a Tru64 UNIX cluster. Configuration information is included from start to finish. Command summary guides are built into each chapter for quick information retrieval. Examples and concise instructions assist in the complete installation of Tru64 UNIX 5.1A and Oracle9i. Designed as an introduction to Tru64 UNIX and Oracle9i RAC, Tru64 UNIX-Oracle9i Cluster Quick Reference will give intermediate and advanced administrators an invaluable resource for quickly locating vital information. Until now, setting up a Tru64 UNIX cluster running Oracle9i would involve referencing

information from an entire shelf of books. Organizing this information into one source, *Tru64 UNIX-Oracle9i Cluster Quick Reference* simplifies the task of installation and makes a quick start possible with clear instructions and graphic illustrations. Command summary guides in each chapter serve as keys for fast information retrieval. Knowledge from over thirty references is distilled into this single book, seamlessly linking subject to subject for greatly simplified, quick installations. - *Hardware Configuration Tips - StorageWorks HSG80 Setup Steps - UNIX Installation and Cluster Configuration - LSM/AdvFS Examples - Oracle9i RAC Installation, Database Configuration - Performance Tuning Tools, Backup, and Recovery Oracle 11gR2 RAC For Beginners* John Wiley & Sons

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

[Create Oracle 10g Grid Computing At Home](#) IBM Redbooks

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 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 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 Experiences with Oracle® 10gR2 Solutions on Linux for IBM System z Pearson Education 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 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 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.

Become a RAC Administrator in Just 2 Weeks! IBM Redbooks

A guide to the installation and configuration of Oracle9i RAC covers such topics as the design of RAC clusters, configuration of TAF, and monitoring and tuning RAC applications.

Oracle Real Application Cluster Field DBA Admin Handbook Digital Press

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.

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

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

Exam 1Z0-042 IBM Redbooks

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