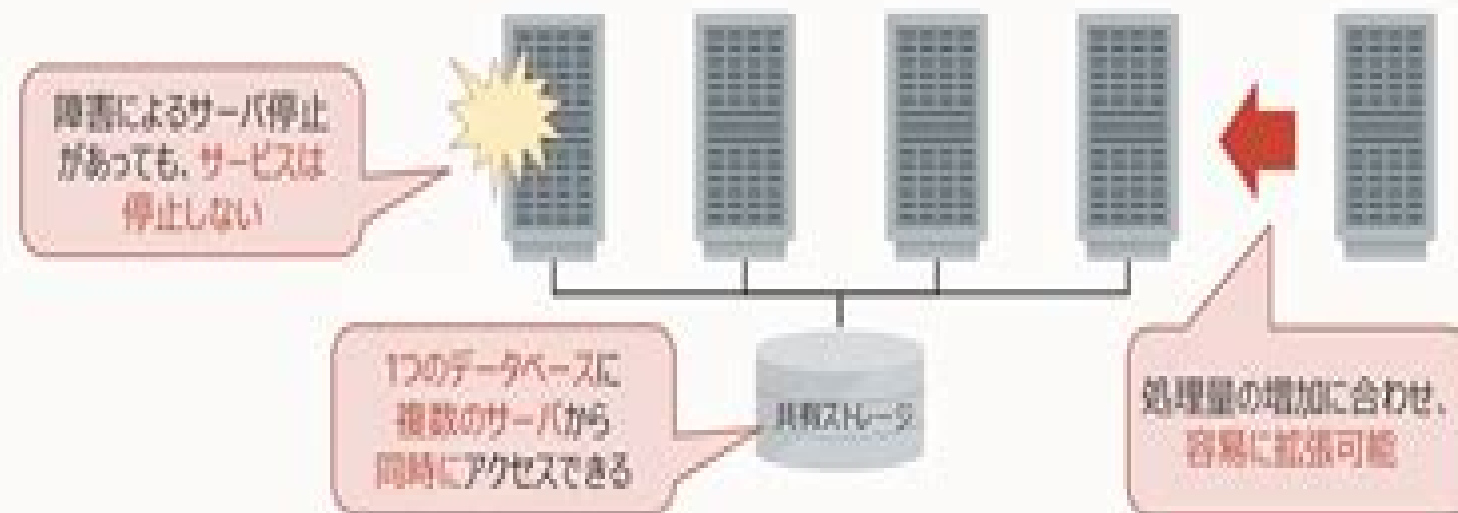# Oracle Real Application Clusters (Oracle RAC) とは

Oracle Real Application Clustersとは

- システム障害によるダウンタイムを最小に抑え、データ保護と連続的なサービス環境を実現する Oracle Databaseのクラスタ技術

特徴

- 高可用性：Active-Activeのクラスタ構成により、障害時にも継続してサービスを提供可能
- 高拡張性：サーバの追加によって容易にスケールアウトが可能

障害によるサーバ停止があっても、サービスは停止しない

1つのデータベースに複数のサーバから同時にアクセスできる

共有ストレージ

処理量の増加に合わせ、容易に拡張可能

[Oracle Real Application Clusters](#)

Murali Vallath

Oracle Real Application Clusters:

Oracle9i RAC Michael R. Ault,Mike Ault,Madhu Tumma,2003 Combining the expertise of two world renowned RAC experts Oracle9i RAC is the first of its find reference for RAC and TAF technology **Oracle 10g Grid and Real Application Clusters** Mike Ault,Madhu Tumma,Ranko Mosic,2004-08 Revealing the secrets for quickly implementing and tuning Oracle RAC database systems this book covers all areas of Oracle Real Application Clusters including Oracle10g new features Oracle DBAs who are charged with configuring and implementing a RAC clusters database will benefit from this complete guide to the installation as well as configuration and design of Oracle Real Application Clusters Information is supplied on expert internals of shared disk technology raw devices and RAID with RAC the internal concurrency resource coordination and the locking mechanism within RAC Also explained are Transparent Application Failover TAF and monitoring and tuning Oracle10g RAC applications *Oracle 11gR2 RAC For Beginners* Arun Kumar,2019-10-18 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 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 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 **Oracle 11gR2 RAC for Beginners** Arun Kumar,2018-11-16 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 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 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 stackThe 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 *Expert Oracle RAC 12c* Riyaj Shamsudeen,Syed Jaffar Hussain,Kai Yu,Tariq Farooq,2013-08-13 Expert Oracle RAC 12c is a hands on book helping you understand and implement Oracle Real Application Clusters RAC and to reduce the total cost of ownership TCO of a RAC database As a seasoned professional you are probably aware of the importance of understanding the technical details behind the RAC stack This book provides deep understanding of RAC concepts and implementation details that you can apply toward your day to day operational practices You ll be guided in troubleshooting and avoiding trouble in your installation Successful RAC operation hinges upon a fast performing network interconnect and this book dedicates a chapter solely to that very important and easily overlooked topic All four authors are experienced RAC engineers with a wealth of hard won experience encountering and surmounting the challenges of running a RAC environment that delivers on its promise In Expert Oracle RAC 12c they provide you a framework in which to avoid repeating their hard won lessons Their goal is for you to manage your own RAC environment with ease and expertise Provides a deep conceptual understanding of RAC Provides best practices to implement RAC properly and match application workload Enables readers to troubleshoot RAC with ease What you ll learn Know when to apply RAC and when not to Design applications to take advantage of RAC Troubleshoot and solve clusterware problems Manage database backup and recovery in RAC Stay on top of locking issues and deadlock detection Harness the performance from parallel processing in RAC Support your RAC environment with a healthy network interconnect Who this book is for Expert Oracle RAC 12c is for experienced Oracle Database Administrators DBAs who are ready to take the next step in their career by expanding their skill set to include building and managing Oracle Real Application Clusters RAC DBAs and architects who are in the process of implementing RAC can immensely benefit from this book It s an excellent choice for DBAs to learn RAC conceptually understand best practices and become experts in troubleshooting RAC problems Table of ContentsOverview of Oracle RAC Clusterware Management and Troubleshooting RAC Operational Practices RAC New Features Storage and ASM Practices Application Design Issues Managing and Optimizing a Complex RAC Environment Backup and Recovery in RAC Network Practices in RAC RAC Database Optimization Locks and Deadlocks Parallel Query in RAC Clusterware and Database Upgrades Oracle RAC One Node *Oracle Database 11g Oracle Real Application Clusters Handbook, 2nd Edition* K Gopalakrishnan,2011-08-10 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

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Workload Management and it also has useful Metalink note references This practical field guide also covers a section on useful Metalink Note References useful weblinks for easy reference and also the useful information search tips on Metalink

   Oracle 11g R1/R2 Real Application Clusters Essentials Ben Prusinski,Syed Jaffer Hussain,2011-05-23 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 Oracle11g 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 Database 10 G Real Application Clusters Handbook** Kandhasamy Gopalakrishnan,2007 Maximize database availability scalability and efficiency using Oracle Real Application Clusters RAC and the in depth information contained in this official Oracle Press guide   ORACLE REAL APPLICATION CLUSTERS TESTING AND TUNING Murali Vallath,2014-06 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 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 illustrate various Oracle RAC features This Oracle Press Guide covers Testing Methodology Testing Hardware

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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 **Manage Oracle Real Application Clusters (Rac) 11gr2** Emrah Becer,2014-06-20

Oracle Real Application Clusters Book Review: Unveiling the Magic of Language

In an electronic digital era where connections and knowledge reign supreme, the enchanting power of language has are more apparent than ever. Its ability to stir emotions, provoke thought, and instigate transformation is actually remarkable. This extraordinary book, aptly titled "**Oracle Real Application Clusters**," written by a highly acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound impact on our existence. Throughout this critique, we shall delve to the book is central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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Table of Contents Oracle Real Application Clusters

1. Understanding the eBook Oracle Real Application Clusters
    - The Rise of Digital Reading Oracle Real Application Clusters
    - Advantages of eBooks Over Traditional Books
2. Identifying Oracle Real Application Clusters
    - Exploring Different Genres
    - Considering Fiction vs. Non-Fiction
    - Determining Your Reading Goals
3. Choosing the Right eBook Platform
    - Popular eBook Platforms
    - Features to Look for in an Oracle Real Application Clusters
    - User-Friendly Interface
4. Exploring eBook Recommendations from Oracle Real Application Clusters
    - Personalized Recommendations
    - Oracle Real Application Clusters User Reviews and Ratings
    - Oracle Real Application Clusters and Bestseller Lists

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