

# Oracle Database 12c: RAC Administration

This Oracle Database 12c: Real Application Cluster (RAC) Administration training teaches you about Oracle RAC database architecture. Explore Global Resources and Cache Fusion and more. In this course, you will be introduced to Oracle Database Exadata Cloud Service.

## Learn To

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### Learn To:

- Install Oracle RAC software.
- Create cluster databases.
- Administer both administrator and policy-managed Oracle RAC databases.
- Monitor and address performance issues.
- Learn about services in a RAC environment as well as highly available connection features including Application Continuity and Transaction Guard.
- Create and administer a RAC One Node Database.
- Create and manage multitenant RAC databases.
- Gain an understanding of the Oracle Database Exadata Cloud Service.

### Benefits to You

Ensure fast, reliable, secure and easy to manage performance. Optimize database workloads, lower IT costs and deliver a higher quality of service by enabling consolidation onto database clouds.

## Prerequisites

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## Audience

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- Administrator
- Database Administrator

## Course Objectives

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- Configure RMAN for the RAC environment
- Describe the benefits of Oracle RAC
- Explain the necessity of global resources
- Configure the RAC database to use ARCHIVELOG mode and the fast recovery area
- Convert a single-instance Oracle Database to RACs
- Create a cluster database
- Gain an understanding of the Oracle Database Exadata Cloud Service
- Explain the principles and purposes of clusters
- Install the Oracle Database software
- Modify initialization parameters in a RAC environment
- Perform post-database-creation tasks
- Define redo log files in a RAC environment

- Define undo tablespaces in a RAC environment
- Describe global cache coordination
- Describe how Grid Plug and Play affects Clusterware
- Describe the Oracle Clusterware architecture

## Course Topics

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- Grid Infrastructure Overview and Review
- RAC Databases Overview & Architecture
- Installing and Configuring Oracle RAC
- Oracle RAC Administration
- Managing Backup and Recovery for RAC
- RAC Backup and Recovery
- RAC Global Resource Management and Cache Fusion
- RAC Database Monitoring and Tuning
- Managing High Availability of Services in a RAC Environment
- Managing High Availability of Connections
- Application Continuity
- RAC One Node
- Multitenant Architecture and RAC
- Quality of Service Management
- Oracle Database Exadata Cloud Service Overview