Oracle Database 12c: RAC Administration

Course code: D81250

This Oracle Database 12c: RAC Administration training will teach you about Oracle RAC database architecture. Expert Oracle University instructors will deep dive into Global Resources and Cache Fusion.

What we teach you
- 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 multitennant RAC databases.

Required skills
- ORACLE database system administration.

Teaching methods
- Expert explanation with practical examples, exercises on computers

Teaching materials
- Oracle Authorized Electronic Materials in English.

Course objectives
- Describe the Oracle Clusterware architecture
- Describe how Grid Plug and Play affects Clusterware
- Describe the benefits of Oracle RAC
- Explain the necessity of global resources
- Describe global cache coordination
- Install the Oracle database software
- Create a cluster database
- Perform post-database-creation tasks
- Convert a single-instance Oracle database to RACs
- Explain the principles and purposes of clusters
- Define redo log files in a RAC environment
- Define undo tablespaces in a RAC environment
- Start and stop RAC databases and instances
- Modify initialization parameters in a RAC environment
- Configure the RAC database to use ARCHIVELOG mode and the fast recovery area
- Configure RMAN for the RAC environment

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.

Topics
- Grid Infrastructure Overview and Review
- RAC Databases Overview &Architecture
- Installing and Configuring Oracle RAC
- Oracle RAC Administration

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- RAC Backup and Recovery
- RAC Global Resource Management and Cache Fusion
- RAC Monitoring and Tuning
- Managing High Availability of Services in a RAC Environment
- Managing High Availability of Connections
- Upgrading and Patching RAC
- Application Continuity
- Quality of Service Management
- RAC One Node
- Design for High Availability

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