

Oracle Database19c: RAC Administration Workshop

Duration: 5 days

Description:

This Oracle Database 19c: RAC Administration Workshop course will teach you about Oracle RAC database architecture. Expert Oracle University instructors will deep dive into Global Resources and Cache Fusion.

Learn To:

- Install and configure RAC
- Manage RAC Database
- Upgrade and patch RAC Database
- Manage backup and recovery for RAC
- Monitor and tune RAC Database
- Manage high availability of services
- Implement High Availability for connections and applications
- Configure RAC One Node Database
- Implement In-Memory Column Store in RAC
- Configure Multitenant Architecture in RAC
- Manage Quality of Service in RAC

Course Content:

1. Grid Infrastructure:Overview

- Grid Infrastructure:Overview
- Clusterware Architecture and Cluster Services
- Oracle Clusterware Initialization
- Grid Naming Service (GNS)
- Course Practice Environment:Security Credentials

2. RAC Databases Overview and Architecture

- RAC Databases Overview and Architecture
- Cluster-Aware Storage Solutions
- Levels of Scalability
- Parallel Execution with RAC

3. Installing with Configuring Oracle RAC

- Installing with Configuring Oracle RAC
- Installing the Oracle Database Software
- Database Content
- Background Processes Specific to Oracle RAC

4. Oracle RAC Administration

- Oracle RAC Administration
- Redo Log Files and RAC
- Local Temporary Tablespaces
- Switch between Automatic and Manual Policies
- Parameters That Require Unique Settings

5. Upgrading and Patching Oracle RAC

- Upgrading and Patching Oracle RAC
- OPatch:Overview

6. Managing Backup and Recovery for RAC

- Managing Backup and Recovery for RAC
- Media Recovery in Oracle RAC
- Oracle Recovery Manager
- Distribution of Backups

7. Global Resource Management Concepts

- Global Resource Management Concepts
- Global Resource Access Coordination

8. RAC Database Monitoring and Tuning

- RAC Database Monitoring and Tuning
- Global Enqueue Waits
- High-Water Mark Considerations
- AWR Snapshots in RAC

9. Managing High Availability of Services

- Managing High Availability of Services
- Default Service Connections
- Using Service with Client Applications
- Using Service with the Resource Manager
- Service Aggregation and Tracing

10. High Availability for Connections and Applications

- High Availability for Connections and Applications
- Implementing FAN Events
- Server-Side Callout Filter: Example
- TAF Basic Configuration on Server-Side: Example
- What Is Application Continuity ?

11.Oracle RAC One Node

- Oracle RAC One Node
- Online Relocation Illustration

12.Oracle Database In-Memory in RAC

- Oracle Database In-Memory in RAC
- In-Memory Column Store and Oracle RAC
- How the Database Reads from the FastStart Area

13.Multitenant Architecture and RAC

- Multitenant Architecture and RAC
- Containers
- Connection to a Non-RAC CDB
- Creating a RAC CDB
- Adding a PDB to a RAC CDB

14.Quality of Service Management

- Quality of Service Management
- Qos Management Policy Sets
- Performance Objectives