

3 Days

Oracle Database 12c: High Availability New Features

This Oracle Database 12c: High Availability New Features Training is a three-day course that helps participants explore the new features of Oracle Database 12c high availability that are imbedded in the Oracle Grid Infrastructure. These new features include:

- Clusterware
- Automatic Storage Management [ASM] and Cloud FS
- Oracle Real Application Clusters (RAC)
- Oracle Data Guard
- Oracle Global Data Services

This course will also introduce participants to Oracle Database Exadata Cloud Service. Completion of this training course will enable candidates to:

- Configure and administer the Oracle Database 12c high availability new features
- Describe the new features contained in Oracle Data Guard.
- Describe Oracle Global Data Services (GDS).
- Gain an understanding of the Oracle Database Exadata Cloud Service.

Course Benefits:

This Oracle Database 12c High Availability training will help participants to practice Oracle's new clustering technologies through valuable experience with hands-on demos and labs.

Course Details

Course Outline

1. Introduction

- Course Overview & Objectives

2. Flex Clusters

- Flex Cluster Architecture
- Configure Flex Clusters
- Install Flex Clusters with OUI
- Flex Clusters and Node Failure

3. Policy-Based Cluster Management

- Policy-Based Cluster Management Overview
- Server Categorization & Policy Set

4. What-If Command Evaluation

- Supported Events
- Perform What-If Command Evaluation with SRVCTL
- Evaluate Failure Consequences with SRVCTL
- Perform What-If Command Evaluation on Application Resources with CRSCTL
- Format the Output for What-If Command Evaluation on Oracle Clusterware Resources

5. Other Clusterware New Features

- Shared GNS Background and Architecture
- Configure & Migrate to shared GNS
- Move GNS to Another Cluster
- Overview of Cluster Health Monitor Enhancements
- Cluster Health Monitor Services
- Manage Cluster Health Monitor

6. Flex ASM

- Flex ASM Architecture
- Overview & Background
- ASM Deployment Alternatives
- Configure & Manage Flex ASM
- Relocate an ASM Client

7. Other ASM New Features

- Fast Mirror Resync Enhancements
- Rebalance Enhancements
- Proactively Validate Data Integrity
- ASM-Based Password Files
- Bulk File Ownership Changes

- ASM File Access Control Available on Windows
- Change ASM Privileges on Open Files

8. Cloud FS New Features

- Introduction to Oracle Cloud File System
- Overview of High Availability NFS
- Cloud FS Auditing: Overview
- Cloud FS Plug-in Infrastructure: Overview
- Generic API for Cloud FS Tagging
- Use Cloud FS Replication in Conjunction with Cloud FS Security and Encryption

9. Application Continuity

- Overview & Benefits of AC
- Problems solved through AC
- Working of AC
- Architecture of AC
- Application requirements
- Side Effects & Restrictions

10. RAC New Features

- RAC and Flex ASM
- RAC and Pluggable Database
- RAC and Application Continuity
- RAC and What-If Command Evaluation
- RAC and Policy-Based Cluster Management
- Oracle home user support for RAC on Windows
- Valid node checking for listener registration on RAC deployments

11. Data Guard New Features

- Enhancements in Far Sync Standby and Data Guard Transport
- Active Data Guard Enhancements
- Database Rolling Upgrades
- Data Guard Broker Enhancements
- Other Data Guard Enhancements

12. Global Data Services

- Logical components

- Physical components
- Global Service Overview
- Global Service Attributes & RAC
- Global Connection Load Balancing
- Global Services and Data Guard Broker

13. Oracle Database Exadata Cloud Service Overview

- Introduction to Exadata Cloud Service
- Service Configuration & Connection Options
- Architecture & Availability
- Management Responsibilities
- Simple Web-Based Provisioning & Management
- Storage Configuration & Management Details
- Migrating to Exadata Cloud Service
- REST APIs

Who Should Attend

The Oracle Database 12c High Availability Training Course is ideal for working with the profiles of:

- Support Engineer
- Database Administrators
- Sales Consultants
- Technical Administrator
- Administrator
- Data Warehouse Administrator

Pre Requisite

Working knowledge of Oracle Database 11g: Release 2, including Clusterware, ASM and RAC

464, Udyog Vihar Phase
V, Gurgaon (Delhi
NCR)-122016, India

+91 8882 233 777

training@mercury.co.in

www.mercurysolutions.co

