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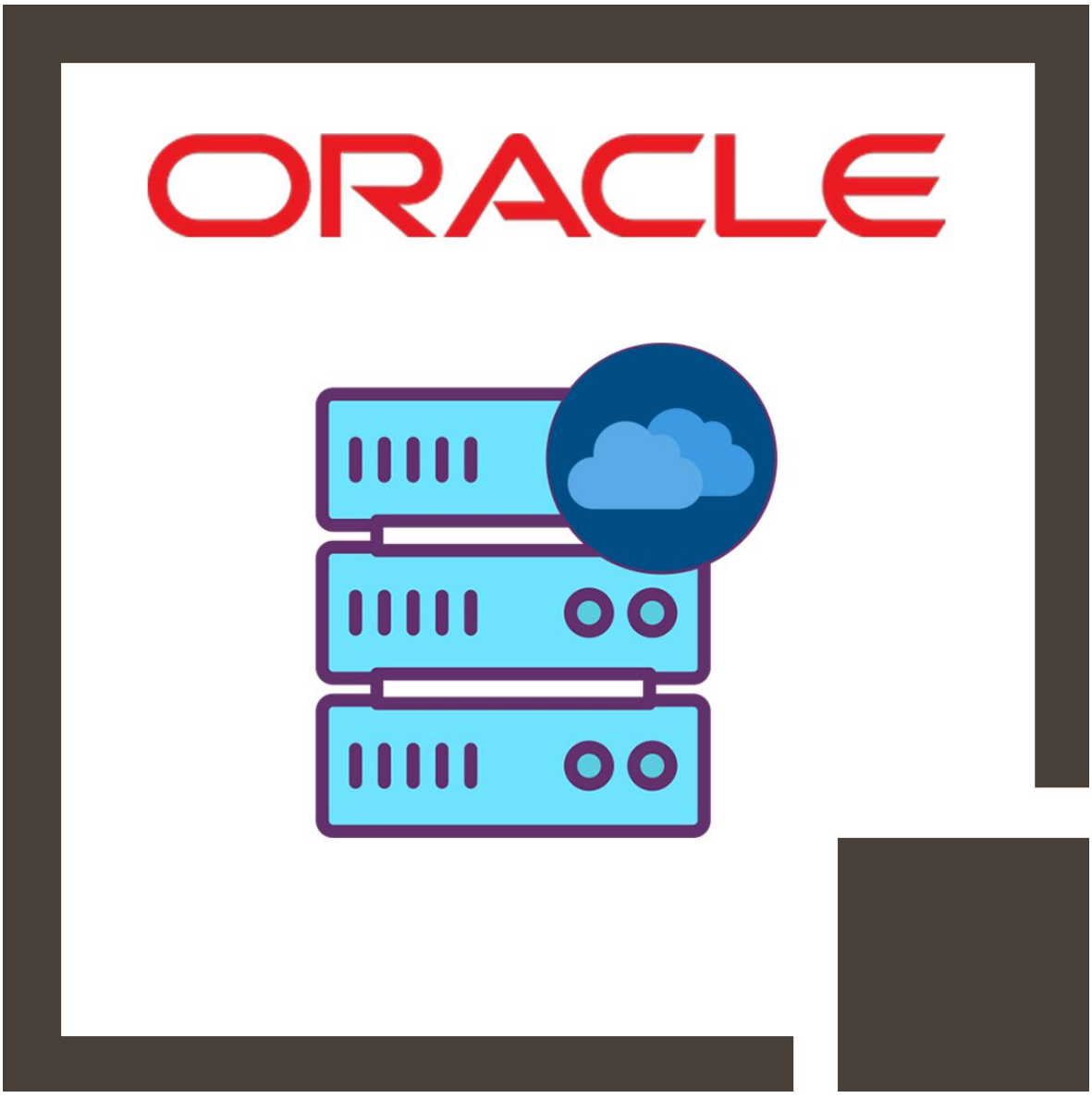
Learning Style: Virtual Classroom

Technology: Oracle

Difficulty: Intermediate

Course Duration: 3 Days

Oracle Database 12c R1: High Availability New Features Ed 1 (OR-12cR1HANF)



About this course:

This Oracle Database 12c R1: (High Availability New Features Ed 1) course presents the Oracle Database 12c: (High Availability new features) contained in Oracle Grid Infrastructure. This incorporates Oracle RAC (Real Application Clusters), ASM (Automatic Storage Management) and Cloud FS, Clusterware, Oracle Global Data Service, and Oracle Data Guard. This course also presents the Oracle Database Exadata Cloud Service.

Learn To:

- Explain Oracle Global Data Services
- Manage and configure the Oracle Database 12c R1: (High Availability new features ED 1) include in Oracle Clusterware Infrastructure incorporating Cloud FS and ASM (Automatic Storage Management).
- Obtain an overview of the Oracle Database Exadata Cloud Service.
- Explain the new functions listed in Oracle Data Guard.

Benefits to You:

By appearing in this course, you will be the first to get training in utilizing Oracle's latest group technologies. This course will help you to get beneficial experience through labs and hands-on demos.

Product Areas Covered:

- Oracle RAC – Real Application Clusters
- Oracle GDS – Global Data Sevices
- Oracle Grid Infrastructure incorporating Cloud FS, Automatic Storage Management, and Clusterware.
- Oracle Data Guard.
- Obtain an overview of the Oracle Database Exadata Cloud Service.

Explore these latest and improved features:

- Evaluation of What-If command
- Application Continuity
- Policy-based Cluster Management
- Flex Automatic Storage Management
- Flex Clusters
- Data Guard Far Sync
- Cloud Filesystem Enhancements and New Features
- GDS - Global Data Services

Salary Estimate:

The Oracle Developer can make an average salary of $106,225 per annum.

Course Objective:

- Explain Oracle GDS
- Obtain an overview of the Oracle Database Exadata Cloud Service
- Study the methods to perform important administration tasks for each latest features.
- Demonstrate the Oracle Database 12c R1: (High Availability new features ED 1) included in Oracle Grid Infrastructure
- Study the methods to perform important configuration and installation tasks for each new feature.

Audience:

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

Prerequisite:

- Practical understanding of Oracle Database 11g: R2, incorporating Real Application, Automatic Storage Management, and Clusterware.

Course Outline:

Introduction

- Course Overview
- Course Objectives

Flex Clusters

- Flex Cluster Architecture
- Installing Flex Clusters with OUI
- Configuring Flex Clusters
- Flex Clusters and Node Failure

Policy-Based Cluster Management

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

What-If Command Evaluation

- Performing What-If Command Evaluation on Application Resources with CRSCTL

- Overview
- Supported Events
- Performing What-If Command Evaluation on Oracle Clusterware Resources with CRSCTL
- Formatting the Output for What-If Command Evaluation on Oracle Clusterware Resources
- Performing What-If Command Evaluation with SRVCTL
- Evaluating Failure Consequences with SRVCTL

Other Clusterware New Features

- Migrating to shared GNS
- Cluster Health Monitor Services
- Shared GNS Background and Architecture
- Managing Cluster Health Monitor
- Moving GNS to Another Cluster
- Cluster Health Monitor Enhancements Overview
- Grid Infrastructure Management Repository Overview
- Configuring shared GNS

Flex ASM

- ASM Deployment Alternatives
- Monitoring Flex ASM Connections
- Managing Flex ASM
- Flex ASM Architecture
- Configuring Flex ASM
- Relocating an ASM Client

Other ASM New Features

- Bulk File Ownership Changes
- Proactively Validating Data Integrity
- ASM-Based Password Files
- Rebalance Enhancements
- Changing ASM Privileges on Open Files
- ASM File Access Control Available on Windows
- Fast Mirror Resync Enhancements

Cloud FS New Features

- High Availability NFS: Overview
- Cloud FS Plug-in Infrastructure: Overview
- Using Cloud FS Replication in Conjunction with Cloud FS Security and Encryption
- Cloud FS Support for All Oracle Database Files
- Introducing Oracle Cloud File System
- Cloud FS Auditing: Overview
- Cloud FS Snapshot Enhancements
- Generic API for Cloud FS Tagging

Application Continuity

- Application requirements
- Side Effects
- What is AC?
- Restrictions
- AC Architecture
- Benefits of AC
- How AC works
- What problem does it solve?

RAC New Features

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

Data Guard New Features

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

Global Data Services

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

Oracle Database Exadata Cloud Service Overview

- Introducing Exadata Cloud Service
- Service Architecture, Availability, Scalability, Access and Security
- Migrating to Exadata Cloud Service
- Simple Web-Based Provisioning & Management
- Patching Exadata Cloud Service
- Management Responsibilities
- Storage Configuration & Management Details
- REST APIs