Oracle Database 12c R2: High Availability New Features

Duration: 4 Days

What you will learn

The Oracle Database 12c R2: High Availability New Features course covers High Availability new features introduced in the Oracle Database 12c Release 2. Focus areas include Clusterware, ASM, ACFS, RAC, and Data Guard.

Learn To:

Configure and administer the Oracle Database 12c R2 high availability new features contained in Oracle Clusterware Infrastructure (including Automatic Storage Management [ASM] and Cloud FS.

Configure and administer RAC new features.

Describe the new features contained in Oracle Data Guard.

Describe Oracle Data Guard Enhancements.

Gain an understanding of the Oracle Database Exadata Cloud Service.

Gain an understanding of Clusterware Manageability Enhancements.

Gain an understanding of ASM New Features.

Gain an understanding of ACFS Manageability New Features & Performance Enhancements.

Gain an understanding of Real Application Cluster New Features.

Gain an understanding of Data Guard and Broker New Features.

 Benefits To You

By enrolling in this course, you'll be able to practice using Oracle's new clustering technologies and gain valuable experience through hands-on demos and labs.

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

Related Training

Required Prerequisites

Working knowledge of Oracle Database 12c Clusterware, ASM and RAC

Course Objectives

Learn how to perform essential administration tasks for each new feature

Describe the Oracle Database 12c R2 high availability new features contained in Clusterware Infrastructure

Gain an understanding of the Oracle Database Exadata Cloud Service

Learn how to perform essential installation and configuration tasks for each new feature

Describe Data Guard Enhancements

SCAN Listener and HTTP Protocol
Service-Oriented Buffer Cache Access
In-Memory FastStart
QoS Support for Administrator-Managed Databases

Data Guard Configuration Enhancements
Standby Database Creation Using DBCA
New Initialization Parameters
Detecting Lost Writes Using DBMS_DBCOMP.DBCOMP
Rolling Upgrade Support for Multitenant Databases
Upgrading Databases Using Oracle Label Security or Database Vault With Oracle Data Guard
Far Sync Instance Creation using RMAN DUPLICATE with FARSYNC Option
Automatic Propagation of Password File Changes
Support of In-Memory Column Store in Active Data Guard Environments

Data Guard Broker Enhancements
Multiple Fast-Start Failover Target Selection
High Availability Observer Configuration
Configurable Property, DataGuardSyncLatency
Data Validation and Lost Write Detection using VALIDATE DATABASE DATAFILE
Validation of Database Files on both Primary and Standby using the VALIDATE DATABASE DATAFILE command
Using Broker Property ApplyInstances to Engage Multi-Instance Redo Apply
DGMGRL Command Script Support @name
Enhanced Broker Support for Application Continuity