Oracle Database 11g: High Availability

Duration: 0 Days

What you will learn
The following lessons show how the new and enhanced features of the Oracle Database 11g support highly available databases:
- Using Data Recovery Advisor
- Using Flashback and LogMiner
- Online Application Maintenance
- Using RMAN Enhancements
- Using RMAN and Data Guard Integration Enhancements
- Using Data Guard Enhancements
- Using Data Guard Fast-Start Failover

Please check the OBEs for step-by-step examples of some of these topics.

Audience
Database Administrators
Database Designers
End Users
Support Engineer
Technical Administrator

Course Objectives
Repair data failures
Use Flashback Archive, Transaction and LogMiner
Perform online database application maintenance
Protect your database with enhanced RMAN features
Use enhanced Data Guard features

Course Topics
Using the Data Recovery Advisor
Repairing Data Failures
Data Recovery Advisor
Assessing Data Failures
Data Failures
Data Failure: Examples
Listing Data Failures
Executing Repairs
Using Flashback and LogMiner
New and Enhanced Features
Oracle Total Recall
Flashback Data Archive
Preparing Your Database
Flashback Data Archive: Workflow
Using Flashback Data Archive
Viewing Flashback Data Archives
Prerequisites

Online Application Maintenance
What You Already Know and What Is New
Redefinition and Materialized View
More Precise Dependency Metadata
Fine-Grain Dependency Management
Minimizing Dependent PL/SQL Recompilation
Serializing Locks
Locking Tables Explicitly
Sharing Locks

Using RMAN Enhancements
RMAN: New Features
More RMAN New Features
Parallel Backup and Restore for Very Large Files
Active Database Duplication
The RMAN DUPLICATE Command
Archival Backups
Managing Recovery Catalogs
The IMPORT CATALOG Command

Using RMAN and Data Guard Integration Enhancements
Improved Integration of RMAN and Data Guard
Setting a Persistent Configuration for a Site
Viewing Persistent Configuration Information
Viewing Site Information in the Recovery Catalog
Defining Connect Identifiers for Data Guard Databases
Associating Metadata with a New Site Name
Removing Site Information from the Recovery Catalog
Restoring a Control File

Using Data Guard Enhancements
Real-Time Query and Physical Standby Databases
Using Real-Time Query
Compressing Redo Data
Querying the Redo Compression Attribute
Dynamically Setting SQL Apply Parameters
New Columns in DBA_LOGSTDBY_PARAMETERS
Logical Standby Database Flash Recovery Area
Using DGMGRL to Create a Snapshot Standby Database
Using Data Guard Fast-Start Failover Enhancements

Displaying Fast-Start Failover Information

Initiating Fast-Start Failover from an Application

INITIATE_FS_FAILOVER Error Codes

Determining the Reason for a Fast-Start Failover

Availability of the Primary Database

Fast-Start Failover in Maximum Performance Mode

Is Fast-Start Failover Possible?

FastStartFailoverThreshold Property