

Oracle 11g: DBA II

Duration: 30 Hours

Prerequisites

- Oracle 11g DBA I

Course Contents

1. Oracle Data Pump

- Data Pump Component
- Data Pump New Features
- How Does Data Pump Access Data?
 - Direct Path Loads and Unloads
 - Situations in Which Direct Path Load Is Not Used
 - Situations in Which Direct Path Unload Is Not Used
 - External Tables
- Accessing Data Over a Database Link
- What Happens During Execution of a Data Pump Job?
 - Coordination of a Job
 - Tracking Progress within a Job
 - Filtering Data and Metadata During a Job
 - Transforming Metadata during a Job
 - Maximizing Job Performance
 - Loading and Unloading of Data
 - Monitoring Job Status
 - Monitoring the Progress of Executing Jobs
- File Allocation
 - Specifying Files and Adding Additional Dump Files
 - Default Locations for Dump, Log, and SQL Files
- Moving Data Between Different Database Versions
- Original Export and Import Versus Data Pump Export and Import
- How Data Pump Export Parameters Map to Those of the Original Export Utility
- How Data Pump Import Parameters Map to Those of the Original Import Utility

2. RMAN Concepts

- Configuring the Environment for RMAN Backups
 - Showing and Clearing Persistent RMAN Configurations
 - Configuring the Default Device for Backups: Disk or SBT
 - Configuring the Default Type for Backups: Backup Sets or Copies
 - Configuring Channels
 - Configuring Control File and Server Parameter File Autobackups
 - Configuring RMAN to Make Backups to a Media Manager
 - Configuring the Backup Retention Policy
 - Configuring Backup Optimization
 - Configuring Oracle Flashback Database and Restore Points
- About RMAN Channels
 - Channel Control Options for Manual and Automatic Channels
 - Channel Failover
- About RMAN Backups
 - About Image Copies
- RMAN Backup Types
 - Incremental Backups
 - RMAN Backup Errors
 - Tests and Integrity Checks for Backups
 - Detecting Physical and Logical Block Corruption
 - Backup Validation with RMAN
- Restoring Files with RMAN
 - Mechanics of Restore Operations
 - File Selection in Restore Operations
- Datafile Media Recovery with RMAN
 - Mechanics of Recovery: Incremental Backups and Redo Logs
 - Incomplete Recovery
 - Tablespace Point-in-Time Recovery
 - Block Media Recovery with RMAN
- Database Duplication with RMAN (CLONING)

3. **User-Managed Backups**

- Cold Backup (consistent Backup)
 - Take details of database Files& proceed with backup
- Cold Backup (inconsistent Backup)
 - Querying VS Views to Obtain Backup Information
 - Listing Database Files Before a Backup
 - Determining Datafile Status for Online Tablespace Backups
 - Making User-Managed Backups of the Whole Database
 - Backing Up the Control File to a Binary File
 - Backing Up the Control File to a Trace File
- Running the DBVERIFY Utility