Oracle Database 19c: Administration

Workshop

Introduction

This course provides detailed information on the architecture of an Oracle Database instance and database, enabling you to manage your database resources effectively. You learn how to create database storage structures appropriate for the business applications supported by your database. In addition, you learn how to create users and administer database security to meet your business requirements. This course provides basic information on backup and recovery techniques. To provide an acceptable response time to users and manage resources effectively, you learn how to monitor your database and manage performance.

Skills Gained

- Generate database creation scripts using the Database Configuration Assistant (DBCA) and create a container database (CDB)
- View and modify initialization parameters in SQL*Plus
- Work with the Automatic Diagnostic Repository (ADR)
- Implement Oracle Managed Files (OMF)
- Use techniques to save space
- Understand DBA responsibilities for security and auditing
- Transport tablespaces and databases
- Use performance views and tools to monitor database instance performance

Course Details

- Accessing an Oracle Database
- Creating an Oracle Database by Using DBCA and by Using a SQL Command
- Starting Up and Shutting Down a Database Instance
- Managing Database Instances
- Configuring Naming Methods with Oracle Net Services
- Configuring and Administering the Listener
- Configuring a Shared Server Architecture
- Configuring Oracle Connection Manager for Multiplexing and Access Control
- Creating PDBs from Seed and Using Other Techniques
- Managing PDBs
- Database Storage Overview
- Creating and Managing Tablespaces
- Improving Space Usage
- Managing Undo Data
- Creating and Managing User Accounts
- Configuring Privilege and Role Authorization
- Configuring User Resource Limits
- Implementing Oracle Database Auditing
- Loading Data
- Transporting Data
- Using External Tables to Load and Transport Data
- Automated Maintenance Tasks: Managing Tasks and Windows
- Tuning Database Performance Overview
- Monitoring Database Performance
- Database Processes
- Managing Memory
- Analyzing SQL and Optimizing Access Paths