



Oracle Database: Administration Workshop 5 Days

Overview

Official Oracle Curriculum

This course is designed to provide you with a firm foundation in administration of an Oracle database. In this course you will gain a conceptual understanding of Oracle Database architecture and learn how to manage an Oracle database in an effective and efficient manner.

Versions Supported: 19c, 18c, 12c

This course provides detailed information on the architecture of an Oracle Database instance and database, enabling you to effectively manage your database resources. 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. Basic information on backup and recovery techniques is presented in this course.

To provide an acceptable response time to users and manage resources effectively, you learn how to monitor your database and manage performance.

Prerequisites

- Oracle Database 12c: Introduction to SQL

Delegates will learn how to

- Describe Oracle Database architecture
- Describe Oracle Database Cloud Service (DBCS) architecture and features
- Create and manage DBCS database deployments
- Configure the database to support your applications
- Manage database security and implement auditing
- Implement basic backup and recovery procedures

- Move data between databases and files
- Employ basic monitoring procedures and manage performance

Outline

- Introduction to Oracle Database
- Accessing an Oracle Database
- Creating an Oracle Database by Using DBCA
- Creating an Oracle Database by Using a SQL Command
- Starting Up and Shutting Down a Database Instance
- Managing Database Instances
- Oracle Net Services: Overview
- Configuring Naming Methods
- Configuring and Administering the Listener
- Configuring a Shared Server Architecture
- Configuring Oracle Connection Manager for Multiplexing and Access Control
- Creating PDBs from Seed
- Using Other Techniques to Create PDBs
- 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
- Introduction to Loading and Transporting Data
- Loading Data
- Transporting Data
- Using External Tables to Load and Transport Data
- Automated Maintenance Tasks: Overview
- Automated Maintenance Tasks: Managing Tasks and Windows
- Database Monitoring and Tuning Performance Overview
- Monitoring Database Performance
- Database Processes
- Managing Memory
- Analyzing SQL and Optimizing Access Paths