Oracle Database: Administration Workshop

Course Duration: 5 days; Instructor-led
Duration: 5 day; / 35 hours; Instructor-led/ remote online training
Time: 9.00am – 5.00pm
Break: 10.15am – 10.30am /3.15pm – 3.30pm
Lunch: 1.00pm – 2.00pm

WHAT YOU WILL LEARN
The Oracle Database: Administration Workshop course provides 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

Learn To:
- Manage an Oracle Database instance.
- Configure the Oracle Network environment.
- Create and manage storage structures.
- Manage and move data.
- Create and manage users.
- Monitor the database and manage performance.
- Create and manage Database Cloud Service database deployments.

Benefits To You
You will benefit from this course as you learn 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.

AUDIENCE
- Data Warehouse Administrator
- Database Administrator
- Database Designer
- Support Engineer
- Technical Administrator

PREREQUISITES
- Oracle Database 12c: Introduction to SQL

METHODOLOGY
This program will be conducted with interactive lectures, PowerPoint presentation, discussion and practical exercise.

COURSE OBJECTIVES
Upon completion of this course, the student should be able 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

OUTLINES
- Module 1: Introduction
- Module 2: Oracle Database Architecture
- Module 3: Introduction to Oracle Database Cloud Service
- Module 4: Creating DBCS Database Deployments
- Module 5: Accessing an Oracle Database
- Module 6: Managing DBCS Database Deployments
- Module 7: Managing Database Instances
- Module 8: Understanding Oracle Net Services
- Module 9: Administering User Security
- Module 10: Creating PDBs
- Module 11: Creating Master Encryption Keys for PDBs

- Module 12: Creating and Managing Tablespaces
- Module 13: Managing Storage Space
- Module 14: Managing Undo Data
- Module 15: Moving Data
- Module 16: Backup and Recovery Concepts
- Module 17: Backup and Recovery Configuration
- Module 18: Creating Database Backups
- Module 19: Performing Database Recovery
- Module 20: Monitoring and Tuning Database Performance
- Module 21: SQL Tuning