

Oracle Database 23ai: Administration

Workshop Course

Course Duration: 40 Hrs.

Course code: ODB-23AI-AW

Course Overview

The Oracle Database 23ai: Administration Workshop Course is designed to provide learners with the essential skills required to administer Oracle's latest AI-powered database platform. Participants will gain hands-on experience in installing, configuring, managing, and securing Oracle Database 23ai environments. The course emphasizes database architecture, storage structures, backup and recovery, performance tuning, and AI-driven administration features.

What you'll learn?

- Understand Oracle Database 23ai architecture and features.
- Install and configure Oracle Database 23ai.
- Manage database storage structures and schema objects.
- Administer users, roles, and privileges.
- Implement backup, recovery, and data security strategies.
- Monitor and tune database performance.
- Explore AI-powered database management capabilities.

Target Audience

- Database Administrators (DBAs)
- System Administrators
- Technical Consultants
- IT Professionals managing Oracle environments
- Professionals preparing for Oracle Certification exams

Pre-Requisites

- Knowledge of basic database concepts.
- Familiarity with SQL and PL/SQL.
- Understanding of operating system fundamentals (Linux/Unix preferred).
- Prior experience in Oracle Database basics (recommended but not mandatory).

Course Content

Module 1: Introduction to Oracle Database 23ai

- Overview of Oracle 23ai and new features
- AI-driven administration enhancements
- Oracle Database architecture

Module 2: Installation and Configuration

- Preparing for the environment
- Installing Oracle Database 23ai
- Database creation and configuration

Module 3: Managing Database Structures

- Tablespaces and storage management
- Schema objects and data dictionary views
- Space allocation and usage monitoring

Module 4: User and Security Administration

- Creating and managing users
- Roles, privileges, and profiles
- Implementing security best practices

Module 5: Backup and Recovery

- Configuring RMAN for Oracle 23ai
- Performing backups and restores
- Data recovery techniques

Module 6: Database Performance Management

- Monitoring and tuning with Oracle tools
- SQL performance tuning basics
- AI-based performance optimization

Module 7: Advanced Administration Features

- Multitenant container databases (CDBs and PDBs)
- High availability and disaster recovery options
- Automation and AI integration

