

Oracle Database 21c: New Features for Administrators

Course Duration: 40 Hours

Course Code: D111567GC20

1. Course Overview

The **Oracle Database 21c: New Features for Administrators** course is designed to help database professionals gain hands-on experience with the latest features and enhancements introduced in Oracle Database 21c. This course provides a comprehensive understanding of new functionalities that improve performance, security, availability, scalability, and administration. Participants will learn how to leverage these features to streamline database management and support business requirements effectively.

2. What You'll Learn?

By the end of this course, you will be able to:

- Understand and implement new features introduced in Oracle Database 21c.
- Use enhancements in multi-tenant architecture for improved database consolidation.
- Explore new capabilities for data management, availability, and performance tuning.
- Apply advanced security features to strengthen database protection.
- Simplify database administration with automation and monitoring tools.
- Gain practical knowledge through labs and real-world scenarios.

3. Target Audience

This course is intended for:

- Database Administrators (DBAs)
- Database Developers
- Technical Consultants
- Support Engineers
- IT Professionals who want to upgrade their skills on Oracle Database 21c

4. Pre-Requisites

Before enrolling, participants should have:

- Prior knowledge and hands-on experience with Oracle Database Administration.
- Familiarity with Oracle Database 19c/18c features.
- Basic understanding of SQL, PL/SQL, and database architecture.

5. Course Content

Module 1: Introduction to Oracle Database 21c

- Overview of new features and enhancements
- Comparison with previous versions

Module 2: Multitenant Architecture Enhancements

- PDB improvements
- New cloning and refresh capabilities
- Automation for pluggable databases

Module 3: Database Security Enhancements

- New encryption options
- Improved user authentication
- Auditing and compliance features

Module 4: Performance and Availability

- SQL and optimizer enhancements
- Automatic indexing improvements
- High availability and recovery features

Module 5: Data Management Features

- Blockchain tables
- In-Memory optimizations
- Sharding improvements

Module 6: Administration and Monitoring Tools

- Fleet management updates
- DBCA and DBUA enhancements
- Oracle Enterprise Manager integration

Module 7: Hands-On Labs and Real-World Scenarios

- Practical exercises for implementing new features
- Troubleshooting and best practices