

## Oracle Autonomous Database Workshop Ed 2

**Course Duration: 24 Hours**

**Course Code: D99846GC20**

### 1. Course Overview

The **Oracle Autonomous Database Workshop Ed 2** course provides participants with a comprehensive understanding of Oracle's Autonomous Database. This workshop focuses on essential concepts, deployment strategies, administration, security, and performance tuning. Participants will learn how to leverage Oracle's self-driving, self-securing, and self-repairing database capabilities to reduce complexity and improve efficiency in managing enterprise data.

### 2. What You'll Learn?

- Understand the key features and architecture of Oracle Autonomous Database
- Learn how to provision, configure, and manage an Autonomous Database instance
- Explore database tools and connectivity options
- Gain knowledge of security implementation and data protection features
- Learn about scaling, performance tuning, and workload optimization
- Practice database monitoring and troubleshooting
- Work on real-world use cases and hands-on labs to apply concepts

### 3. Target Audience

This course is ideal for:

- Database Administrators (DBAs)
- Cloud Administrators
- Data Analysts and Data Scientists
- Solution Architects
- IT Professionals responsible for Oracle Database deployment and management

### 4. Pre-Requisites

- Basic understanding of relational databases and SQL
- Familiarity with Oracle Database concepts
- Knowledge of cloud computing fundamentals is helpful but not mandatory

### 5. Course Content

#### **Module 1: Introduction to Oracle Autonomous Database**

- Overview and benefits of Autonomous Database
- Key features and architecture

#### **Module 2: Provisioning Autonomous Database**

- Creating and managing Autonomous Database instances
- Connectivity and configuration

#### **Module 3: Tools and User Management**

- Database tools for administration

- Managing users and roles

#### **Module 4: Security in Autonomous Database**

- Security features and data encryption
- Access control and auditing

#### **Module 5: Monitoring and Performance**

- Monitoring database health and workload
- Performance tuning and scaling

#### **Module 6: Backup, Recovery, and High Availability**

- Automated backups and recovery options
- Ensuring availability and reliability

#### **Module 7: Hands-on Labs and Use Cases**

- Real-world scenarios and guided practice
- Best practices for implementation