

Oracle GoldenGate 19c: Fundamentals for Oracle Course

Course Duration: 32 Hrs.

Course code: OGG-19C-FO

Course Overview

The Oracle GoldenGate 19c: Fundamentals for Oracle Course provides a comprehensive introduction to real-time replication and data integration using Oracle GoldenGate. This course covers installation, configuration, replication concepts, and monitoring to ensure seamless data replication across heterogeneous environments. Learners will gain practical skills to deploy GoldenGate for high availability, scalability, and disaster recovery.

What you'll learn?

- Understand Oracle GoldenGate architecture and components.
- Install and configure Oracle GoldenGate 19c.
- Set up and manage extract, pump, and replicate processes.
- Perform initial data loads and replication setup.
- Monitor, troubleshoot, and tune GoldenGate environments.
- Implement high availability and disaster recovery strategies.

Target Audience

- Database Administrators (DBAs)
- Data Integration Specialists
- System Administrators
- Technical Consultants
- IT Professionals managing real-time replication environments

Pre-Requisites

- Basic knowledge of Oracle Database concepts.
- Familiarity with SQL and PL/SQL.
- Understanding of database administration tasks.
- Exposure to Linux/Unix environments (preferred).

Course Content

Module 1: Introduction to Oracle GoldenGate 19c

- Overview of GoldenGate concepts
- GoldenGate architecture and components
- Use cases for replication

Module 2: Installation and Configuration

- Installing GoldenGate on Oracle databases
- Configuring managers and environment setup
- Preparing the database for replication

Module 3: Extract, Pump, and Replicat Processes

- Configuring extract and pump processes
- Setting up replicat processes
- Parameter files and checkpoints

Module 4: Initial Data Loads and Replication Setup

- Performing initial data loads
- Synchronizing source and target databases
- Conflict detection and resolution

Module 5: Monitoring, Tuning, and Troubleshooting

- Using GGSCI commands for process management
- Performance tuning strategies
- Troubleshooting common GoldenGate issues