Oracle Database 19c: Data Guard Administration Workshop
Course Duration: 40 Hours (5 Days)

Overview

The Oracle Database 19c: Data Guard Administration Workshop is a comprehensive course designed to instruct learners on how to implement and manage the Oracle Data Guard feature. Oracle Data Guard administration is an essential skill for database administrators, ensuring high availability, data protection, and disaster recovery for enterprise data. Throughout the course, participants will delve into various aspects of Oracle Data Guard administration, starting with the basic components and architecture. They will learn about different Data transport methods, understand the nuances of failover and Switchover operations, and explore the Data Guard framework. Configuring and Managing Data Guard using both Command-line interfaces and Cloud Control, defining Gap resolution and Protection modes, and considering Operating system requirements are also covered. The workshop includes practical lessons on creating both physical and Logical standby databases manually and using Cloud Control. Learners will investigate Backup methods compatible with Data Guard, the role of Flashback Database, and strategies for performing Backups in a Data Guard environment. The course also discusses failover and switchover processes, Fast Start Failover, Client failover aspects, Snapshot Standby Databases, Oracle Active Data Guard, and managing various Data Guard components. Lastly, it addresses the challenges of Upgrading databases within a Data Guard configuration. By the end of this course, participants will have a solid foundation in Oracle Data Guard administration, equipped to ensure their organization's data is secure and readily available.

Audience Profile

The Oracle Database 19c: Data Guard Administration Workshop provides professionals with essential skills to effectively manage Data Guard environments. It is suitable for:

- Database Administrators
- Data Management Professionals
- IT Specialists in Disaster Recovery
- Systems Administrators managing Oracle Databases
- Database Architects
- Technical Consultants with a focus on Oracle Databases
- Oracle Developers seeking to broaden their skills in data protection
- Data Center Support Engineers
- IT Disaster Recovery Personnel
- Oracle Certified Professionals aiming to update their credentials

Course Syllabus

Topics

- Data Guard Components
- Data Guard Transport Methods
- Differences Between Failover and Switchover
- Data Guard Framework
- Data Guard Broker Configuration

- Defining Gap Resolution
- Defining Protection Modes
- Operating System Requirements
- Manually Creating a Physical Standby Database
- Physical Standby Database and Cloud Control
- Logical Standby Database
- Using Cloud Control to Create a Logical Standby Database
- Backup Methods and Data Guard
- Flashback Database and Data Guard
- Backing Up in a Data Guard Environment
- Data Guard and Failover
- Cloud Control and Failover
- Data Guard and Switchover
- Cloud Control and Switchover
- Defining Fast-Start Failover
- Failover Client
- Defining a Snapshot Standby Database
- Oracle Active Data Guard
- Managing Data Guard Components
- Upgrading Databases with Data Guard