ORACLE DATA GUARD 19C (TTOR05219)

Course Code: 100730

Explore the latest features and functions in ODG.

Oracle 19c Data Guard is a three day hands on course where students will gain experience working with the latest features and functions in ODG.

What You'll Learn

Working within in a hands-on learning environment, guided by our expert team, attendees will learn to:

- Use Data Guard standby databases to support production functions such as reporting, querying, testing, and performing backups
- Create and manage physical and logical standby databases
- Use Enterprise Manager Cloud Control and the Data Guard command-line interface (DGMGRL) to maintain a Data Guard configuration
- Use Data Guard to achieve a highly available Oracle database
- Gain an understanding of Oracle Database Exadata Cloud Service

Who Needs to Attend

This hands on course is geared for experienced Database Administrators who possess

- Basic understanding of Oracle Database principles
- Linux operating system fundamentals
- Basic understanding of PL/SQL and Triggers

Prerequisites

- Basic understanding of Oracle Database principles
- Linux operating system fundamentals
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CLASSROOM LIVE	$2,495 USD	3 Day

Classroom Live Outline

Introduction to Oracle Data Guard

- Basic components of Oracle Data Guard
- Physical and logical standby databases
- Benefits of implementing Oracle Data Guard

Creating a Physical Standby Database by Using Enterprise Manager Cloud Control

- Data Guard broker configuration
- Physical standby database
- Data Guard configuration
- Database properties
- Data Guard configuration

Oracle Net Services in a Data Guard Environment

- Basics of Oracle Net Services
- Client connectivity
- Data Guard best practice solutions

Creating a Physical Standby Database by Using SQL and RMAN Commands

- Primary database and Oracle Net Services
- Physical standby database

Using Oracle Active Data Guard

- Real-time query
- RMAN block change tracking
- Far Sync

Creating and Managing a Snapshot Standby Database

- Snapshot standby database
- Converting a snapshot standby database

Creating a Logical Standby Database

- Creating a logical standby database
- SQL Apply filtering

Oracle Data Guard Broker: Overview

- Data Guard broker architecture
- Data Guard broker components
- Benefits of the Data Guard broker
- Data Guard broker configurations
- Enterprise Manager
- DGMGRL

Creating a Data Guard Broker Configuration

- Monitoring a Data Guard Broker Configuration
- Enterprise Manager Cloud Control
- DGMGRL
- SQL

Configuring Data Protection Modes

- Describing the Data Protection Modes
- Changing the Data Protection Modes

Performing Role Transitions

- Database roles
- Switchover
- Failover

Using Flashback Database in a Data Guard Configuration

- Advantages of using Flashback Database
- Configuring Flashback Database

Enabling Fast-Start Failover

- Fast-start failover
- Fast-start failover configuration
- Observer
- Role changes
- Reinstating the primary database

Backup and Recovery Considerations in an Oracle Data Guard Configuration

- Recovery Manager (RMAN)
- Offload backups
- Recovering primary database

Enhanced Client Connectivity in a Data Guard Environment

- Client Connectivity in a Data Guard Environment
- Failover procedures

Patching and Upgrading Databases in a Data Guard Configuration

- Standby-First Patch Apply technique
- Traditional upgrade methods
- Rolling upgrades
- DBMS_ROLLING

Optimizing a Data Guard Configuration

- Monitoring configuration performance
- Redo transport
- SQL Apply

Oracle Database Exadata Cloud Service Overview

- Architecture and capabilities of Exadata Cloud Service
- Exadata Cloud Service and an on-premise Exadata implementation

Classroom Live Labs

Machine based practical labs and exercises. Student machines are required.

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PRIVATE GROUP TRAINING	3 Day

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