

Oracle Database 11g Release 2: Data Guard Administration



What you will learn in this course?

In this course, students learn how to use Oracle Data Guard to help protect their Oracle database against planned and unplanned downtimes. They also learn how Data Guard standby databases can be used to support production functions such as reporting, querying, and testing, while in a standby role. The course includes Data Guard architecture, the configuration of physical and logical standby databases, and role transitions. Oracle Data Guard 11g features, including Oracle Active Data Guard and snapshot standby databases are outlined. In addition, management of a Data Guard configuration and troubleshooting are discussed.

Instructor:

Well experienced, DTECH Certified, 10+ years experienced Oracle Consultant

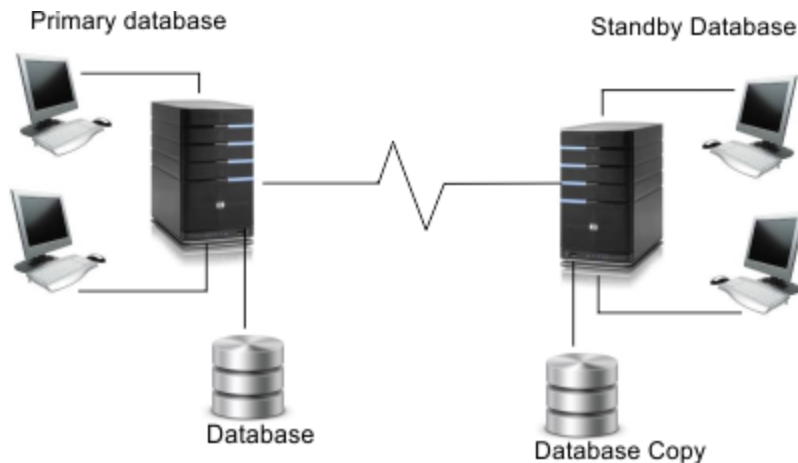
Duration : 4 days (12 hours)

Learn to:

- Offload business processing needs to another system
- Offload backup needs to another system
- Build highly available systems

Pre-requisites

- Oracle Enterprise Manager 10g Grid Control
- Oracle Database 11g: Administration Workshop II DBA Release 2
- Oracle Database 11g: Administration Workshop I DBA Release 2



Course Topics

- Introduction to Oracle Data Guard
- What Is Oracle Data Guard.
- Types of Standby Databases.
- Types of Data Guard Services.
- Role Transitions: Switchover and Failover.
- Oracle Data Guard: Architecture (Overview)
- Primary Database Processes
- Standby Database Processes
- Data Protection Modes
- Data Guard Operational Requirements: Hardware and Operating System
- Benefits of Implementing Oracle Data Guard.

Creating a Physical Standby

- Steps to Create a Physical Standby Database
- Preparing the Primary Database
- FORCE LOGGING Mode
- Configuring Standby Redo Logs
- Creating Standby Redo Logs
- Using SQL to Create Standby Redo Logs
- Viewing Standby Redo Log Information
- Setting Initialization Parameters on the Primary and standby Database
- Redo Transport
- Creating the Physical Standby Database
- Enabling Real-Time Apply
- Starting Redo Apply
- Managing standby database.

Creating a Snapshot Standby Database

Snapshot Standby Database: Architecture

Converting a Physical Standby Database to a Snapshot Standby Database

Viewing Snapshot Standby Database Information

Converting a Snapshot Standby Database to a Physical Standby Database

Using Oracle Active Data Guard

Using Real-Time Query

Enabling and Disabling Real-Time Query

Configuring Data Protection Modes

Data Protection Modes and Redo Transport Modes

Data Protection Modes

Maximum Protection Mode

Maximum Availability Mode

Maximum Performance Mode

Comparing Data Protection Modes

Setting the Data Protection Mode

Performing Role Transitions

Role Management Services

Role Transitions: Switchover and Failover

Switchover

Performing a Switchover

Performing a Failover to a Physical Standby Database



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