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Oracle Database 12c Data Guard Administration Training

Duration: 32Hrs (8 Hours per Day * 4 Days)

DAY-1

Introduction to Oracle Data Guard

What Is Oracle Data Guard?

Types of Standby Databases

Data Guard Broker Framework

Benefits of Implementing Oracle Data Guard

Understanding the Oracle Data Guard Architecture

Oracle Data Guard Architecture

Data Guard Redo Apply Architecture

Data Guard SQL Apply Architecture

Specifying Role-based Destinations

Oracle Data Guard Broker Architecture

Benefits of using the Data Guard Broker

Installing Oracle Software

Installation: System Requirements

Installing Oracle Database Software

Creating Primary Database

Using the DBCA to Create Primary Database

Use netca, netmgr, Manual Steps to create and configure the Listener

Start and stop the listener

Setting up tnsnames.ora/listener.ora/sqlnet.ora on Non-Default/Default path

Troubleshooting listener related connectivity issue

Use tnsping to test Oracle Net connectivity

Creating a Physical Standby Database by Using SQL

Head Office :No. 602, 6th Floor, G Square Business Park, Plot No-25 & 26, Sector No-30, Landmark Opposite Sanpada Station, Vashi, Navi Mumbai – 400705.

Branch Office :New YashAshoka, Basement Office, Near Borivali Bus Stop, Landmark- Mangala Hindi High School Kopri, Thane (East) – 400603

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Preparing the Primary Database

Setting Initialization Parameters on the Primary Database

Backing Up the Primary Database Using RMAN

Creating a Control File for the Standby Database

Setting Initialization Parameters on the Standby Database

Setting Up the Environment to Support the Standby Database

Configuring Standby Redo Logs

Starting the Physical Standby Database

Performing Additional Configuration Tasks

DAY-2

Configuring Data Protection Modes and Log Transport Services

Setting the Log Transport Mode

Setting the Data Protection Mode

Delaying the Application of Redo

Using Flashback Database as an Alternative to Apply Delay

Additional Attributes that Affect Log Transport Services

Using Oracle Data Guard Broker

Data Guard Broker Configurations

Data Guard Broker Interfaces

Creating and Managing a Snapshot Standby Database

Snapshot Standby Database: Architecture

Converting a Physical Standby Database to a Snapshot Standby Database

Activating a Snapshot Standby Database: Issues and Cautions

Viewing Snapshot Standby Database Information

Converting a Snapshot Standby Database to a Physical Standby Database

DAY-3

Performing Switchover and Failover

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Choosing the Best Role Transition Operation
Performing a Switchover by Using DGMGRL
Performing a Switchover by Using SQL
Performing a Failover by Using DGMGRL
Performing a Failover by Using SQL
Restoring Databases After a Role Transition
Flashback Through Standby Database Role Transitions

Creating a Logical Standby Database by Using SQL

Preparing to Create a Logical Standby Database
Creating a Physical Standby Database
Preparing the Primary Database
Transitioning to a Logical Standby Database
Opening the Logical Standby Database
Verifying the Logical Standby Database
Performing Additional Configuration Tasks



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DAY-4: Enabling Fast-Start Failover

When Will Fast-Start Failover Occur?

Configuring Fast-Start Failover

Prohibited Operations After Enabling Fast-Start Failover

Managing the Observer

Performing Role Changes (Automatic Failover)

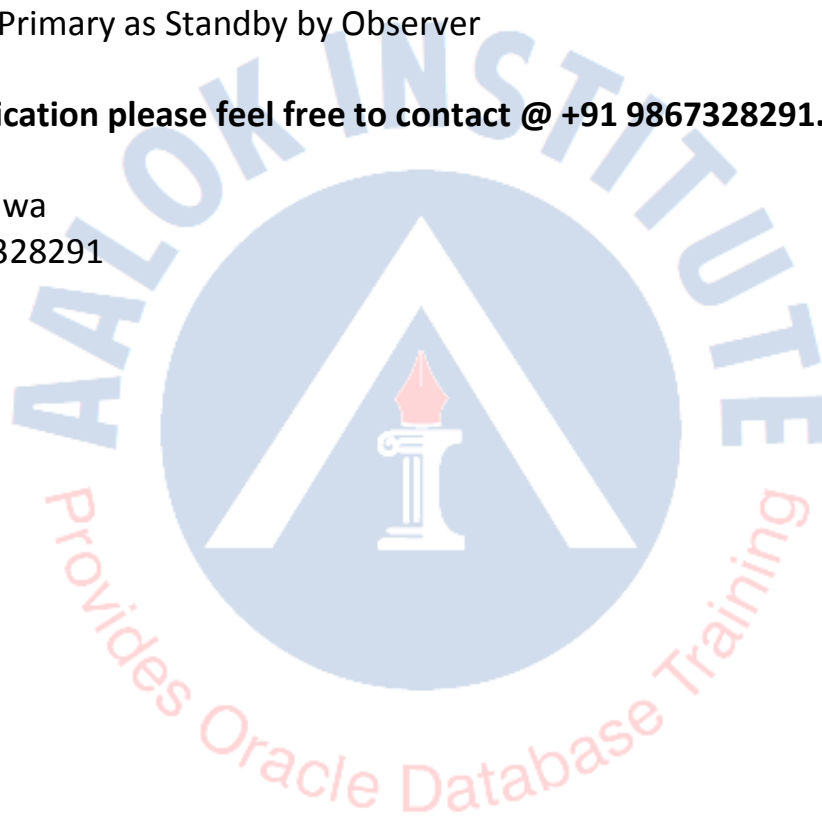
Reinstate Old Primary as Standby by Observer

For Any Clarification please feel free to contact @ +91 9867328291.

Cheers,

Ambasa S. Ladwa

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