

**KNOWLEDGE
POWER**



Introduction to Oracle Data Guard
Getting Started with Data Guard
Creating a Physical Standby Database
Creating a Logical Standby Database
Data Guard Protection Modes

ORACLE 11g Data Guard

Redo Transport Services
Apply Services
Role Transitions
Managing Physical and Snapshot Standby Databases
Managing a Logical Standby Database
Using RMAN to Back Up and Restore Files
Using SQL Apply to Upgrade the Oracle Database
Data Guard Scenarios
SQL Statements Relevant to Data Guard
Views Relevant to Oracle Data Guard



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ORACLE 11g Data Guard

The Oracle Data Guard class covers methods that reveal different type of data guard option provided in Oracle 11g and its utilization.

Lesson Plan

DAY 1



Session Hours

5 days

Who are we?

Data Softech Incorporation is a dynamic and progressive organization committed to provide an affordable and flexible Database Administration, Solution, Consultation and Employee or Staff training to meet the client needs. We have been working with major Fortune 500 companies.



Introduction to Oracle Data Guard

- Data Guard Configurations
- Data Guard Services
- Data Guard Broker
- Data Guard Protection Modes
- Client Failover
- Data Guard and Complementary Technologies
- Summary of Data Guard Benefits

Getting Started with Data Guard

- Standby Database Types
- User Interfaces for Administering Data Guard Configurations
- Data Guard Operational Prerequisites
- Standby Database Directory Structure Considerations

Creating a Physical Standby Database

- Preparing the Primary Database for Standby Database Creation
- Step-by-Step Instructions for Creating a Physical Standby Database
- Post-Creation Steps

DAY 2

Creating a Logical Standby Database

- Prerequisite Conditions for Creating a Logical Standby Database
- Step-by-Step Instructions for Creating a Logical Standby Database
- Post-Creation Steps

Data Guard Protection Modes

- Data Guard Protection Modes
- Setting the Data Protection Mode of a Primary Database

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DAY 3



Trainers

Our database training experts come from various IT backgrounds and possess market-specific IT qualifications. These specialists have worked on various data management fields with leading database industries in Information Technology.

Tutorials

DSI custom designed tutorials and live training on key projects helps the learners gain a quality and accountable experience with various projects.



Redo Transport Services

- Introduction to Redo Transport Services
- Configuring Redo Transport Services
- Monitoring Redo Transport Services
- Tuning Redo Transport

Apply Services

- Introduction to Apply Services
- Apply Services Configuration Options
- Applying Redo Data to Physical Standby Databases
- Applying Redo Data to Logical Standby Databases

Role Transitions

- Introduction to Role Transitions
- Role Transitions Involving Physical Standby Databases
- Role Transitions Involving Logical Standby Databases
- Using Flashback Database After a Role Transition

DAY 4

Managing Physical and Snapshot Standby Databases

- Starting Up and Shutting Down a Physical Standby Database
- Opening a Physical Standby Database
- Primary Database Changes That Require Manual Intervention at a Physical Standby
- Recovering Through the OPEN RESETLOGS Statement
- Monitoring Primary, Physical Standby, and Snapshot Standby Databases
- Tuning Redo Apply
- Managing a Snapshot Standby Database

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Training Benefits

Our certified and highly experienced trainers will help you equip with the IT knowledge and database management solutions that helps you independently assess and utilize the updated technology skills in any business-IT firm. We provide state-of-art infrastructure to incorporate our training practices.

Affordable Training

DSI custom designs the training addressing the clients, their staff or learners needs thus maximizing the benefit they gain from their training investment.



Managing a Logical Standby Database

- Overview of the SQL Apply Architecture
- Controlling User Access to Tables in a Logical Standby Database
- Views Related to Managing and Monitoring a Logical Standby Database
- Monitoring a Logical Standby Database
- Customizing a Logical Standby Database
- Managing Specific Workloads In the Context of a Logical Standby Database
- Tuning a Logical Standby Database
- Backup and Recovery in the Context of a Logical Standby Database

Using RMAN to Back Up and Restore Files

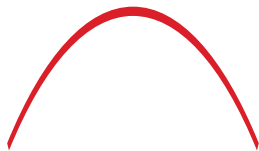
- About RMAN File Management in a Data Guard Configuration
- About RMAN Configuration in a Data Guard Environment
- Recommended RMAN and Oracle Database Configurations
- Backup Procedures
- Registering and Unregistering Databases in a Data Guard Environment
- Reporting in a Data Guard Environment
- Performing Backup Maintenance in a Data Guard Environment
- Recovery Scenarios in a Data Guard Environment
- Additional Backup Situations
- Using RMAN Incremental Backups to Roll Forward a Physical Standby Database

DAY 5

Using SQL Apply to Upgrade the Oracle Database

- Benefits of a Rolling Upgrade Using SQL Apply
- Requirements to Perform a Rolling Upgrade Using SQL Apply
- Figures and Conventions Used in the Upgrade Instructions
- Performing a Rolling Upgrade By Creating a New Logical Standby Database
- Performing a Rolling Upgrade With an Existing Logical Standby Database
- Performing a Rolling Upgrade With an Existing Physical Standby Database

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Training Courses

Oracle 11g New features

Oracle 11g R2 RAC Administration

Oracle 11g R2 Administration I

Oracle 11g R2 Administration II

Oracle 11g R1 RAC Administration

Oracle 11g/10g Performance tuning

Oracle 11g/10g Streams

Oracle 11g/10g Data Guard

Oracle 11g/10g Backup

Oracle 11g/10g Recovery using RMAN

Oracle Application server Administration I

Oracle Application server Administration II

Oracle 10g Sql Tuning

Oracle Apps 11i System Administration

Installations



Data Guard Scenarios

- Configuring Logical Standby Databases After a Failover
- Converting a Failed Primary Into a Standby Database Using Flashback Database
- Using Flashback Database After Issuing an Open Resetlogs Statement
- Recovering After the NOLOGGING Clause Is Specified
- Creating a Standby Database That Uses OMF or ASM
- Recovering From Lost-Write Errors on a Primary Database
- Converting a Failed Primary into a Standby Database Using RMAN Backups

SQL Statements Relevant to Data Guard

- ALTER DATABASE Statements
- ALTER SESSION Statements
- ALTER SYSTEM Statements

Views Relevant to Oracle Data Guard