

# Data Guard

## Introduction

- What Is Oracle Data Guard?
- Oracle Data Guard Architecture o
- Types of Standby Databases
- Types of Services
- Benefits of Implementing Oracle Data Guard

## Understanding the Oracle Data Guard Architecture

- Data Guard Redo Apply Architecture
- Data Guard SQL Apply Architecture
- Standby Database Modes Configuring Data Protection Modes
- Maximum Protection
- Maximum Availability
- Maximum Performance
- Comparisons
- How to Set the Mode

## Creating a Physical Standby Database by Using SQL

- Preparing the Primary Database
- Setting Initialization Parameters on the Primary Database
- Backing Up the Primary Database
- Creating a Control File for the Standby Database
- Setting Initialization Parameters on the Standby Database
- Setting Up the Environment to Support the Standby Database
- Starting the Physical Standby Database
- Performing Additional Configuration Tasks

## 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 Switchover and Failover

- Choosing the Best Role Transition Operation
- Performing a Switchover by Using SQL
- Performing a Failover by Using SQL

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