

Oracle Data Guard Configuration

Benefit

- Protection of critical data
- A copy of production available for other business needs such as reporting
- Data Guard provides high availability



Oracle Data Guard is a tool to use when your environment has critical data and the needs for continuous access, the prevention of data loss, the ability to recover quickly, and the ability to be prepared for all forms of disaster recovery. Oracle Data Guard not only has the ability to create logical and physical standby databases, it has the ability to create multiple standby databases in different locations.

Overview

Data Guard is an option that allows the creation of up to nine standby databases for disaster recovery and high availability. These may be any combination of logical or physical. A physical standby database is a block-for-block copy of the primary database and can be used in the event of a planned or unplanned outage. A logical standby is a copy of the primary database that is open for read-only access. By having a read-only database, reports and query activity can be moved from the primary server to the standby thus better utilizing the available hardware.

Data Guard has built-in mechanisms to maintain data integrity and move any changes between the different environments. It also have the ability to prevent data loss from issues that may arise within the main environment such as hardware issues. With Data Guard, even the data from the network issues can be protected.

Scope

The SmartDog Data Guard Configuration offering allows you to have a highly available environment for planned and unplanned outages. When configured, the synchronization of the log information among various standby databases will provide environments that can be mirror images of the primary.

When Data Guard is used in conjunction with Real Application Clusters (RAC), the result is not just a highly available system but one that can withstand nearly any disaster situation. SmartDog can integrate Data Guard into Grid Control to provide a single location to both configure and monitor the environments.

This offering is designed for the following:

- Utilizing the benefits of Oracle's Enterprise Edition of the database
- High Availability
- Data protection
- Disaster Recovery
- Offload report overhead
- Centralized management

The SmartDog Data Guard configuration is designed for Oracle Enterprise Database versions 10g and higher. The primary database can be either a single server or a clustered environment. If you have other databases, replications, or advanced SAN options, please let us know so we can custom tailor a solution to fit your needs.

To get started, please contact your SmartDog representative or visit us at www.smartdogservices.com.