

Oracle GoldenGate in Action

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www.orapassion.com – blog
www.challengezoran.com - forum
www.parallel.rs - Company

Introduction

- What is GoldenGate?
- How long does it exist?
- Key capabilities:
 - Real-time
 - Heterogeneous
 - Transactional

Introduction

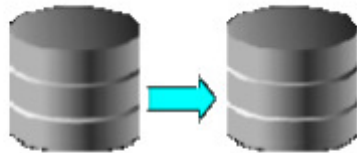
- System requirements
- Supported databases: (examples)
 - Oracle Database
 - MySQL
 - IBM DB2
 - Teradata
 - Microsoft SQL Server
 - Sybase ASE
- Before implementing GoldenGate (GG)
 - Verify that your database version is supported
 - Verify you are using correct GoldenGate binaries

Introduction

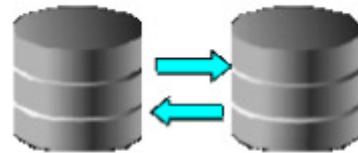
- Other GoldenGate products:
 - Oracle GoldenGate Veridata
 - Management Pack for GoldenGate
 - Oracle GoldenGate Adapters

Oracle GoldenGate Topologies

Unidirectional Query Offloading



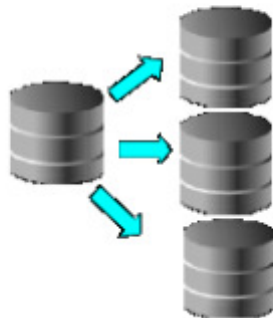
Bidirectional Standby DB or Active-Active for HA



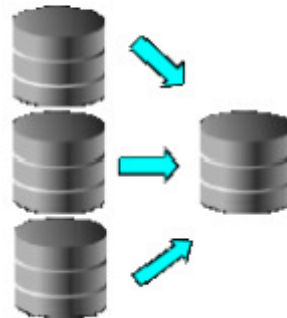
Peer-to-Peer Load Balancing, Multimaster



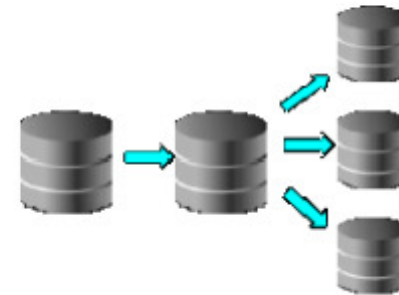
Broadcast Data Distribution



Integration/Consolidation Data Warehouse



Cascading Data Marts



Installation

- Linux vs Windows
- GG 11g vs GG 12c
- High Availability

Components

- Extract
- Trails or extract files
- Data Pump – this is NOT database feature called Data Pump
- Replicat
- Manager
- Collector
- Checkpoints

GGSCI

```
GGSCI (gg2host.orapassion.com) 1> info trhr
```

```
REPLICAT    TRHR      Last Started 2015-04-01 16:26    Status  
RUNNING
```

```
Checkpoint Lag      00:06:40 (updated 00:00:07 ago)
```

```
Log Read Checkpoint File ./dirdat/hr000011
```

```
2015-04-03 16:58:00.041521 RBA
```

```
24980733
```

Encryption

- Message encryption
- Trail or extract file encryption
- Encryption of database password

Logdump

- View, filter, search for data stored in a trail file
- Open trail file by running logdump utility from GG home directory

```
Logdump> Open /ogg/dirdat/ns000002
```

Live Demo



 *Thank you!*