

# ORACLE GOLDENGATE ZERO DOWNTIME MIGRATION QUICK START

## Oracle Expert Services

### AT A GLANCE

- High performance data replication
- Migrate with zero database downtime
- Upgrade database version
- Migrate to new hardware
- Failback option
- Flexible topology support
- Data encryption
- Routing and compression

*Are you planning a database migration but can't afford to interrupt business operations? Do you want to update your database version, migrate to new hardware or new server location without experiencing downtime in production systems? The Oracle GoldenGate Zero Downtime Migration Quick Start will help you use Oracle GoldenGate to make the changes you need while keeping your users actively working. They may never know that anything has changed.*

### Overview

Oracle GoldenGate is a high-performance software platform for real-time capture, routing, transformation, and delivery of transactional data with minimal overhead. The software offers log-based bi-directional data replication and enables your critical systems to support 24/7 operations. A typical environment includes Capture, Pump and Delivery processes, each of which can run on most of the popular operating systems and databases. The Oracle GoldenGate Zero Downtime Migration Quick Start will help you replicate all or a portion of your data and even manipulate the data within the processes for both heterogeneous environments and different database schemas. Oracle Consulting will help you implement Oracle GoldenGate and get your migration project underway.

### Scope of Offering

The Oracle GoldenGate Zero Downtime Migration Workshop includes:

#### Discovery and Planning

- Analysis – Our experts will perform an analysis of your current environment.
- Architecture – We will review your technical architecture.
- Planning – We will review the migration approach and specific activities.

#### Installation and Testing

- Installation of Oracle GoldenGate software in a non-production environment.
- Configuration of the Oracle GoldenGate parameter files on source and target.
- Assistance with initial data synchronization to secondary server.
- Assistance with load testing, cutover testing and failback testing.
- Assistance with documenting performance and functional results.
- Sharing our expertise and best practices related to Oracle GoldenGate throughout the engagement.

### How We Do It

Gone are the days of taking days of downtime to migrate and rolling out the new system with a “big bang approach.” Oracle GoldenGate allows you to pick and schedule a time when you want to move user activities over to the new database.

#### WHY ORACLE CONSULTING

- Leading Expertise: Oracle's own experts providing thought leadership for every Oracle solution.
  - Broad Coverage: "End-to-end" lifecycle services across the entire Oracle product footprint.
  - Global Scale: 13,000 Oracle experts in 145 countries, serving over 20 million users.
  - Unified Methodology: Based on industry standards, high quality results across complex projects.
  - Flexible Delivery: Onsite, offsite, and offshore, along with innovative solutions such as Rapid Starts and Expert Services.
- Oracle will install and configure Oracle GoldenGate on the source system and on the target system to capture and deliver changes.
  - During the initialization of the database copy, Oracle GoldenGate will persist all new user transactions within our queuing system, called Trail Files.
  - Once the copy is complete, any new or in-flight transactions that occurred will continue to be applied using Oracle GoldenGate to keep the target database in synch.
  - Your current database will continue to be active and support users, and the new database will have all of the current data and ready for your user cutover.
  - After switchover, the active (new) database and the old database can be kept in synch to offer failback option.

#### Requirements

- The offering applies to an Oracle-to-Oracle database upgrade or migration with one source and one target system. Source system must be version Oracle 9i or above
- This offering is for a non-production environment only.
- The Oracle Database must be 500 Gigabytes or less.
- Database and operating system must be supported versions.
- If using Oracle's export/import for initial synchronization procedures, customer must have an available intermediate or staging server with the same operating system as the source system.

Oracle Consulting can assist with larger, more complex migrations. If your requirements are more complex, please contact your Oracle sales representative to discuss your specific needs.

#### How We Are Different

The Oracle Consulting team is focused exclusively on Oracle Technologies and we have the experts that others turn to for leading practices in Oracle software implementations. We know Oracle best and can provide your business with tightly integrated, comprehensive, superior services throughout your ownership experience.

#### Getting Started

Leverage Oracle's methods, tools, and extensive experience with customer implementations across diverse industries and geographies. Tight integration across Consulting, Development, Support, Education, and Global Delivery puts the entire Oracle team behind your success. To learn more, contact your local Oracle Consulting representative at 1-800-633-0615, email [ask-oracleconsulting\\_us@oracle.com](mailto:ask-oracleconsulting_us@oracle.com), or visit [www.oracle.com/consulting](http://www.oracle.com/consulting).



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