



OCI Golden Gate

The best in-class Data Replication



Alexandre Fagundes

LAD Partner Enablement

May, 2022

Safe harbor slide



The following is intended to outline our general product direction. It is intended for information purposes only, and may not be incorporated into any contract. It is not a commitment to deliver any material, code, or functionality, and should not be relied upon in making purchasing decisions.

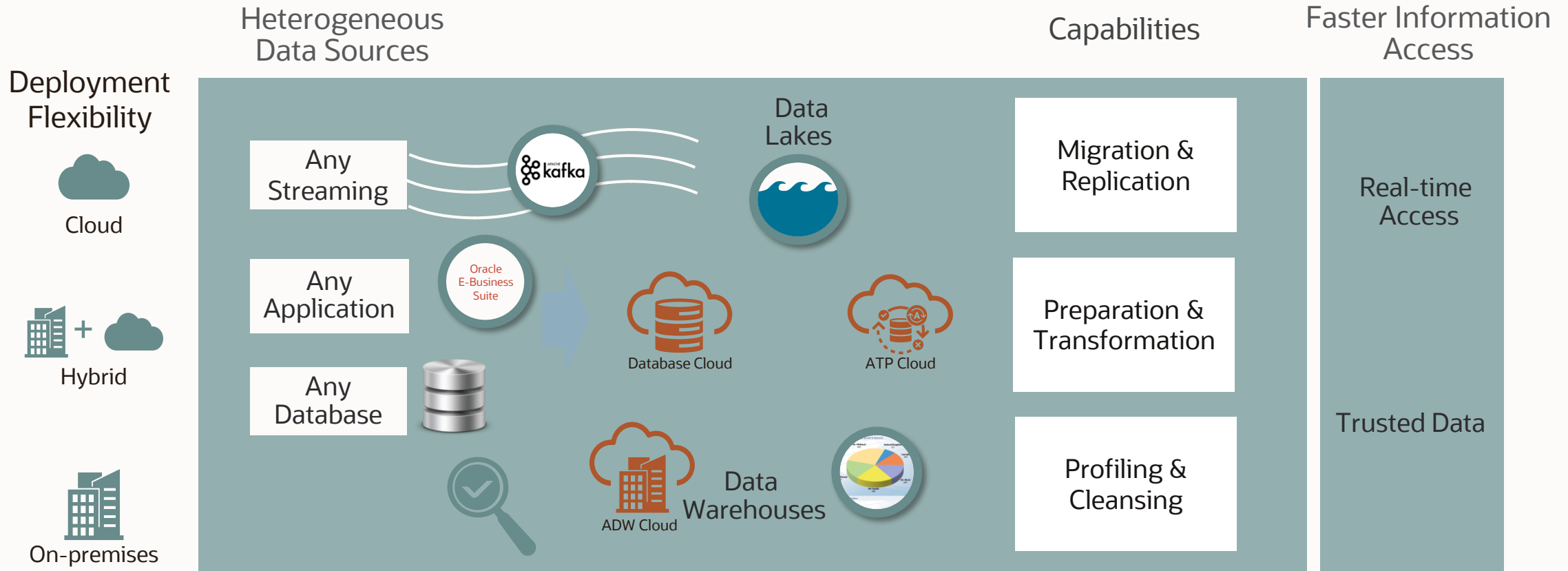
The development, release, timing, and pricing of any features or functionality described for Oracle's products may change and remains at the sole discretion of Oracle Corporation.

Agenda

- 1 **Data Replication challenges**
- 2 **Data Warehouse Reference**
- 3 **OCI GoldenGate**
- 4 **Concepts**
- 5 **Summary**

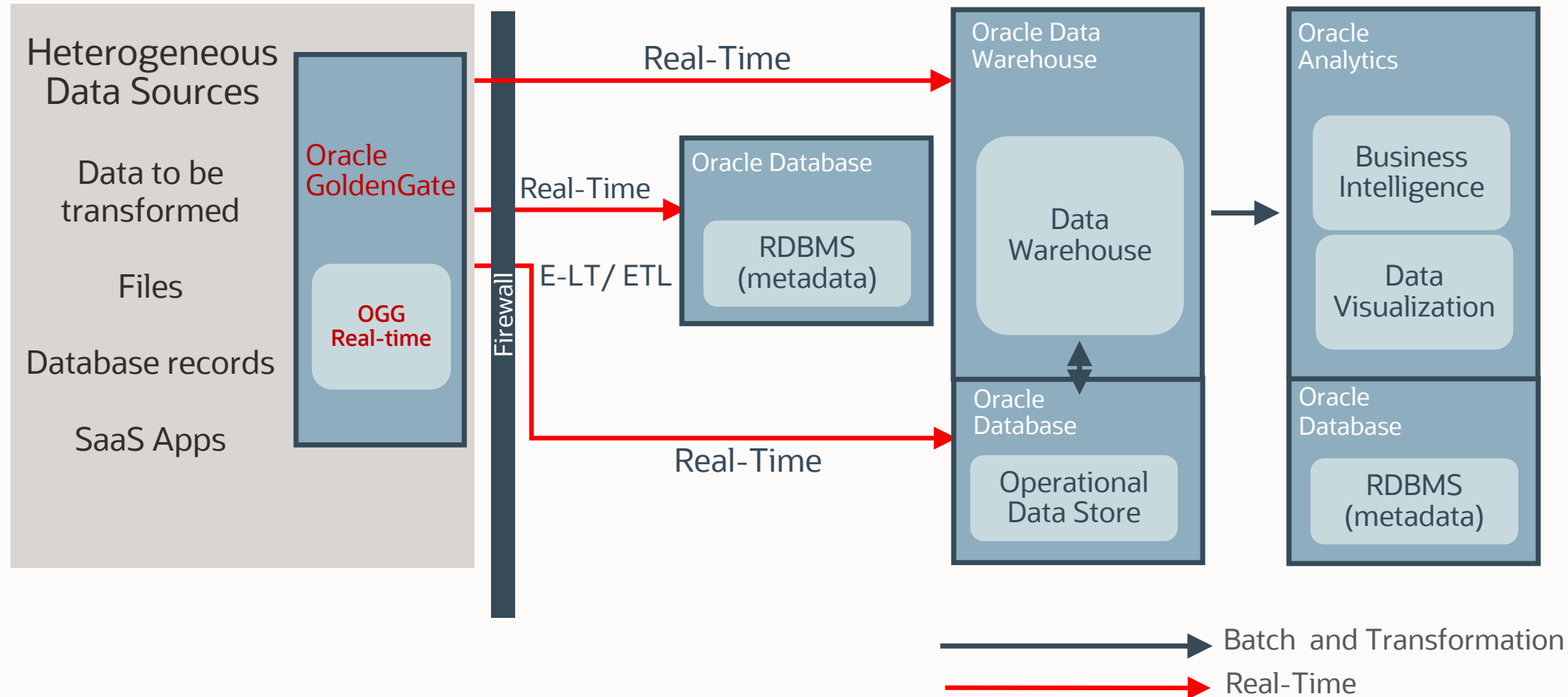
Data Replication Challenges Nowadays

Move and transform data for advance analysis



Data Warehouse reference architecture

Consolidate and replicate data for an enterprise data warehouse



OCI GoldenGate

Real-time data replication



Data integration and replication for any workload

The Oracle Golden Gate difference


Heterogeneous Databases and Local Files

 Sales CRM

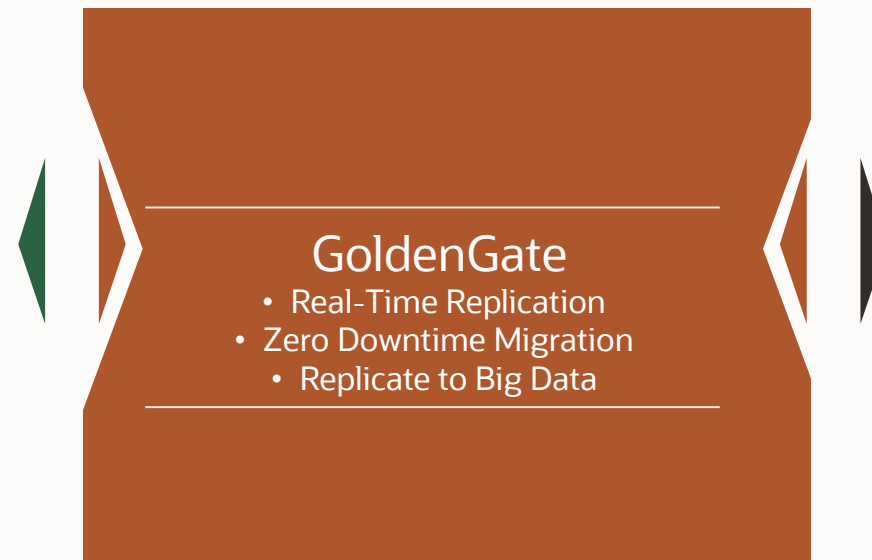
 Financial ERP

 Social Data

 IoT Data

 Legacy Data Warehouse

Migrating and Integrating Data



High Availability



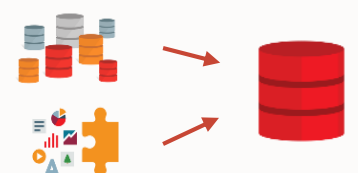
Real-time Reporting



Data Consolidation



Data Warehouse



OCI GoldenGate

Concepts

Deployment

A container for your OCI GoldenGate resources, such as the OCI GoldenGate Deployment Console

When you create an OCI GoldenGate deployment, you must select how many OCPUs the deployment will use.

Enabling Auto Scale ensures additional OCPUs are available when they're needed. You're only billed when the additional OCPU cycles are consumed

Auto scaling enables OCI GoldenGate to scale up to three times the number of OCPUs you specify for OCPU Count, up to 24 OCPUs

OCI GoldenGate

Concepts

Database Registration



Captures source and target credential information and enables networking between the OCI GoldenGate service tenancy virtual cloud network (VCN) and your tenancy VCN using a private endpoint.

A database registration contains the connectivity information to source or target end points

The following databases are certified to work with OCI GoldenGate as a source or target:

- Oracle Databases 11.2.0.4, 12.1.0.2, and higher
- Oracle Exadata
- Oracle ExadataCS
- Oracle Autonomous Transaction Processing
- Oracle Autonomous Data Warehouse

Deployment Backup

Deployment Backups can help you troubleshoot issues, clone deployments, and restore deployments

A backup of a deployment's current state, retained for 60 days. It can be used to restore a deployment or create a new deployment with the state of the original deployment at the time the backup was taken.

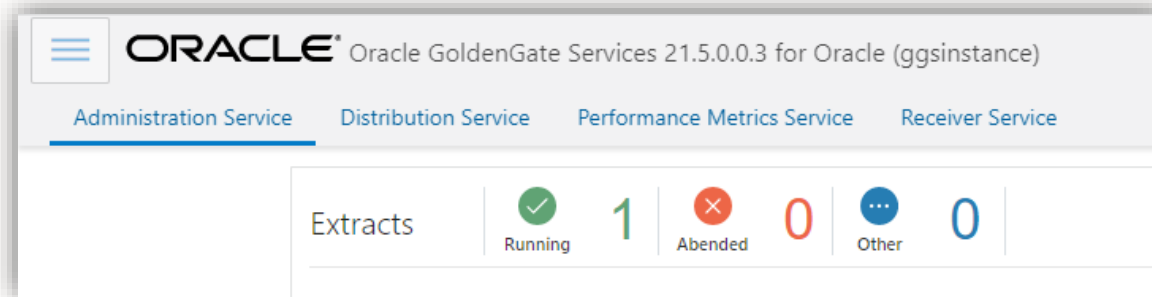
Deployment Backups are created daily

You can also create manual backups at any time, and save them to your Oracle Object Storage tenancy

OCI GoldenGate

Concepts

Extract



A process that runs against the source database and extracts, or captures data.

Before you create an Extract, you must have supplemental logging enabled

OCI GoldenGate

Concepts

Trail

A series of files on the source, intermediary, and/or target system where Oracle GoldenGate stores the captured changes to support the continuous extraction and replication of database changes.

Managing Trail Files



OCI GoldenGate Trail files quickly add up over time. Without purge tasks in place to manage these trail files, daily backups will take exponentially longer to complete and use compute resources that could otherwise be used elsewhere.

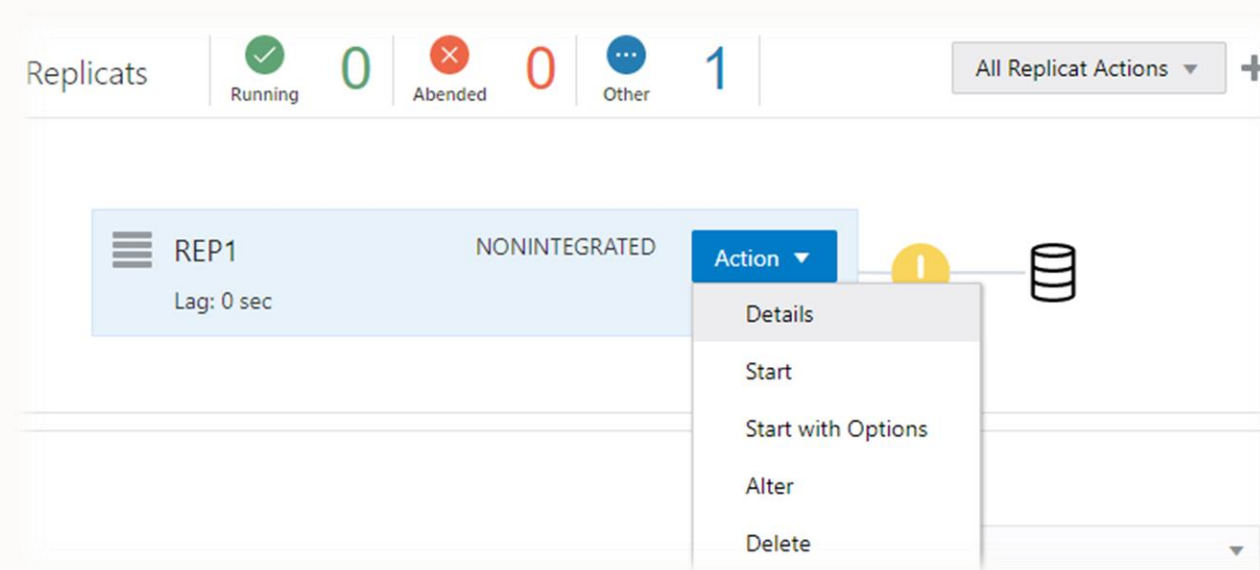
OCI GoldenGate

Concepts

Replicat

A process that delivers data to a target database. It reads the trail file on the target database, reconstructs the DML or DDL operations, and applies them to the target database.

Before you create a Replicat, ensure that you first [create a checkpoint table](#)



Summary

Turn your data into a competitive advantage

High performance, real-time data
movement and transformation

Non-invasive, low-impact data movement
Database migration tools

Process data faster

Access data without disruption

Simplify migration to the cloud

Get started today

Learn More

oracle.com/dataintegration

Free GoldenGate in the Oracle Cloud Marketplace

cloudmarketplace.oracle.com



Read the Latest News

<http://blogs.oracle.com/dataintegration>



ORACLE