

A wide-angle photograph of the Golden Gate Bridge in San Francisco. The bridge's iconic orange-red towers and suspension cables are prominent against a clear blue sky. The bridge spans a body of water, with a thick layer of fog or mist hanging below the deck, partially obscuring the lower part of the bridge and the water. The bridge is anchored into a steep, green hillside on the right side of the frame. The water in the foreground is calm, reflecting the light from the sky.

# OCI Golden Gate

The best in-class Data Replication



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# Safe harbor slide



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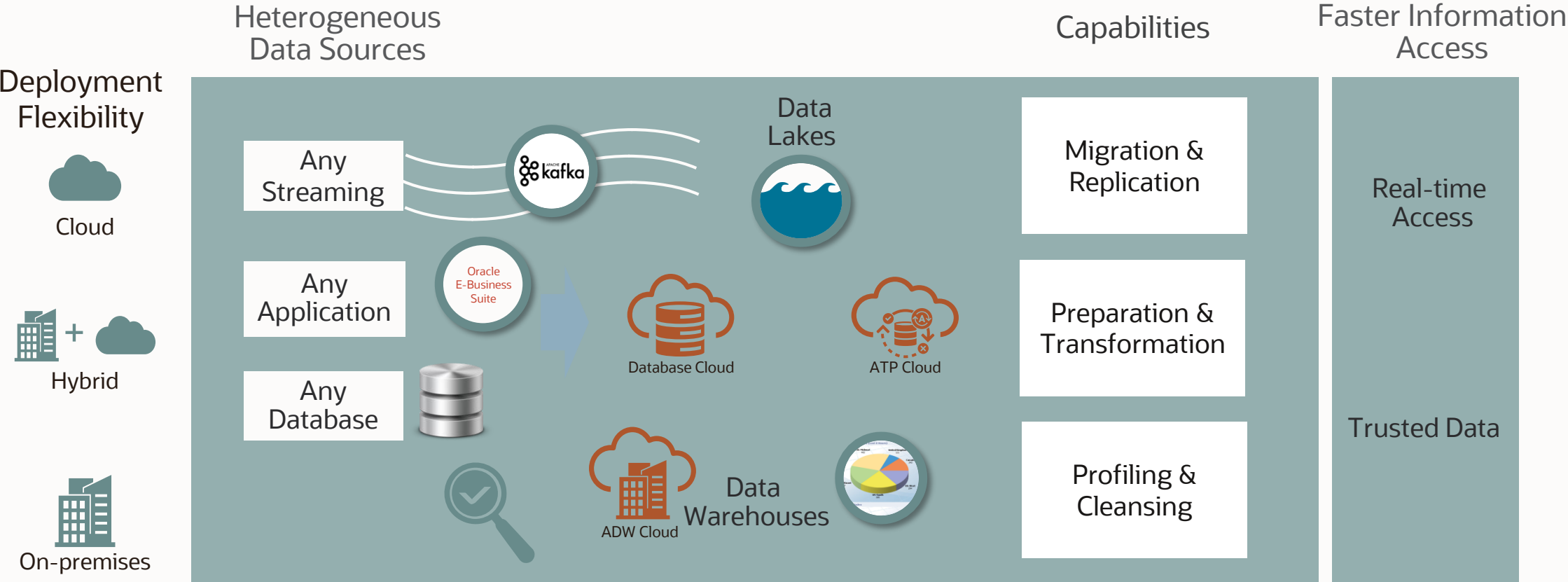
# Agenda

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- 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



# 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

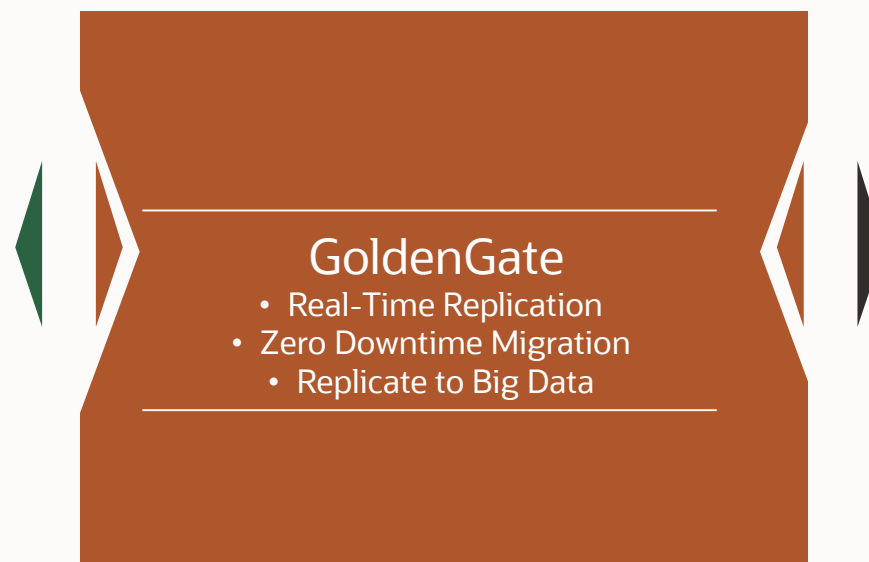


IoT Data



Legacy Data Warehouse

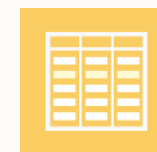
Migrating and Integrating Data



High Availability



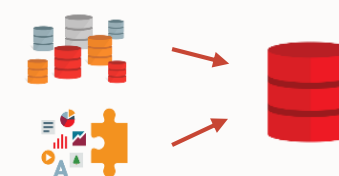
Real-time  
Reporting



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

### Create deployment

- 1 [General information](#)
- 2 **GoldenGate details**

After you create the deployment, ensure that you create and assign connections.

Select a technology

Oracle Database

Oracle Database

Big Data

MySQL

PostgreSQL

Supported source technologies:

- Oracle Database 11.2.0.4+
- Oracle Database 12.1.0.2+
- Oracle Database 19c
- Oracle Database 21c
- Oracle Exadata
- Oracle Exadata Cloud Service
- OCI Autonomous Transaction Processing
- OCI Autonomous Data Warehouse
- Amazon RDS for Oracle 19c

Supported target technologies:

- Oracle Database 11.2.0.4+
- Oracle Database 12.1.0.2+
- Oracle Database 19c
- Oracle Database 21c
- Oracle Exadata
- Oracle Exadata Cloud Service
- OCI Autonomous Transaction Processing
- OCI Autonomous Data Warehouse
- Amazon RDS for Oracle 19c



# 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.

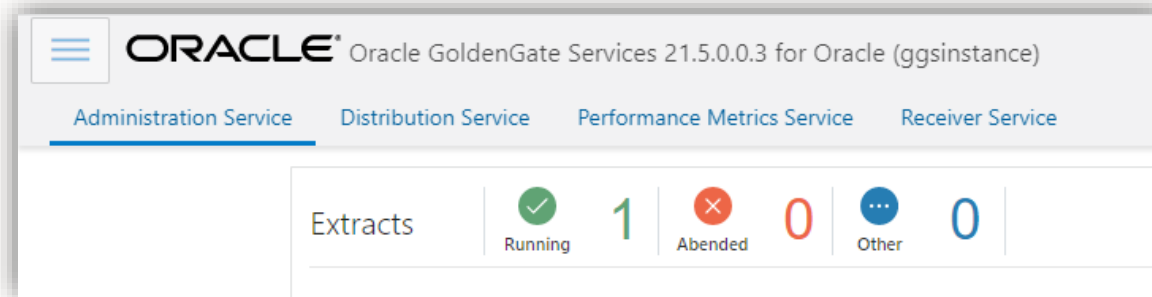
Deployment Backups are created daily

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.

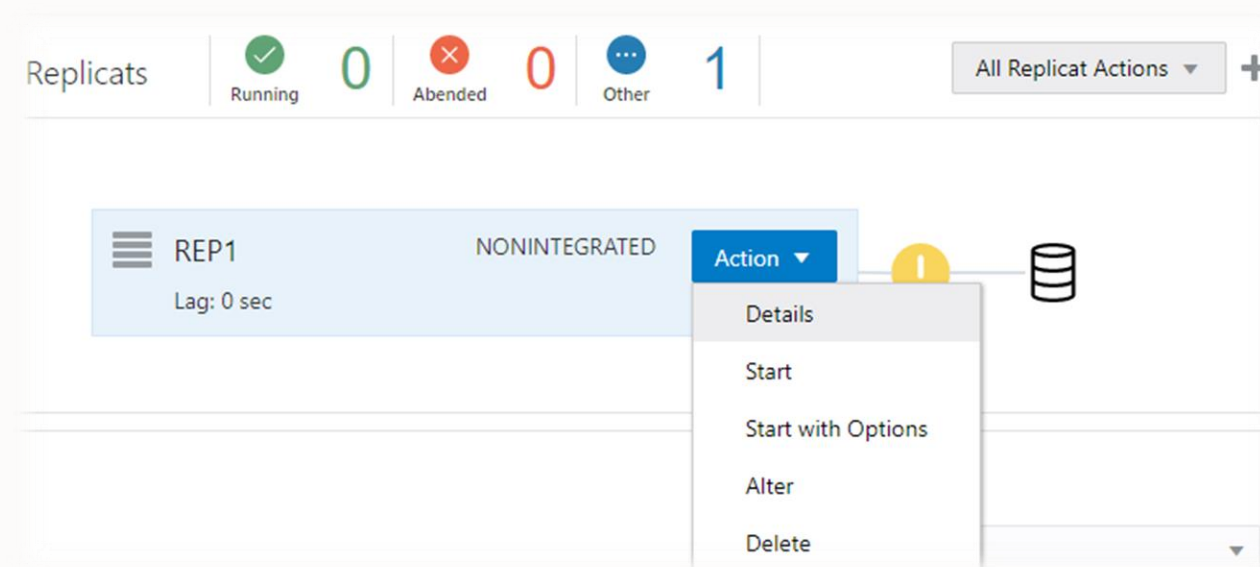
# OCI GoldenGate

## 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

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Learn More

[oracle.com/dataintegration](https://oracle.com/dataintegration)

Free GoldenGate in the Oracle Cloud Marketplace

[cloudmarketplace.oracle.com](https://cloudmarketplace.oracle.com)



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