

ORACLE **AUTONOMOUS DATABASE** **LEARNING LOUNGE**



Migration to ADB Part II: Easily migrate from previous database releases with DMS

Autonomous Database Learning Lounge

Hosted by Marcos Arancibia

Autonomous Database Product Management

Agenda



Jorge Martínez

Topics

- You will learn about **OCI DMS (Database Migration Service)** and how this **fully-managed service** provides you a high-performing, self-service experience for migrating Oracle databases to Oracle Cloud Infrastructure (OCI).
- Get an overview of the service which is based on **Zero Downtime Migration engine**, as well as its logical migration capabilities which are powered by **Data Pump** and **GoldenGate**.
- Finally, you will see how it can be used to **easily migrate data from on-premises, third-party clouds, and Amazon RDS Oracle databases** into Autonomous Databases (both on OCI and on other compatible Clouds like Azure).

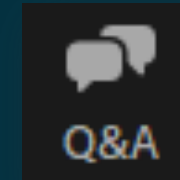
Q&A

- **Product Managers** will answer any questions

Before we begin...

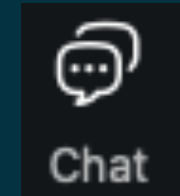
This session is for you !!!

Ask your questions using **Q&A**



Product Managers are monitoring your questions

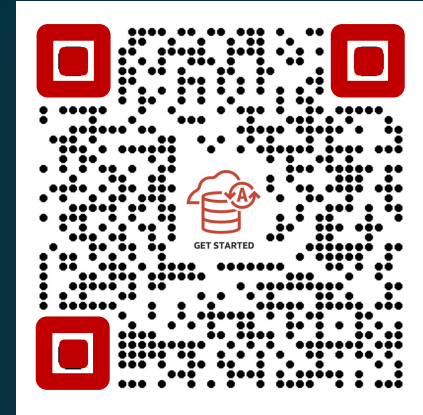
We will share links in **Chat**



The recording will be made available in a few days at
oracle.com/goto/adb-learning-lounge

Important links to bookmark

Links to get you started and to keep up to date with Autonomous Database



1 New Get Started page:
oracle.com/autonomous-database/get-started/

2 Join us: **LinkedIn**
bit.ly/adb-linkedln-grp   [@AutonomousDW](https://twitter.com/AutonomousDW)

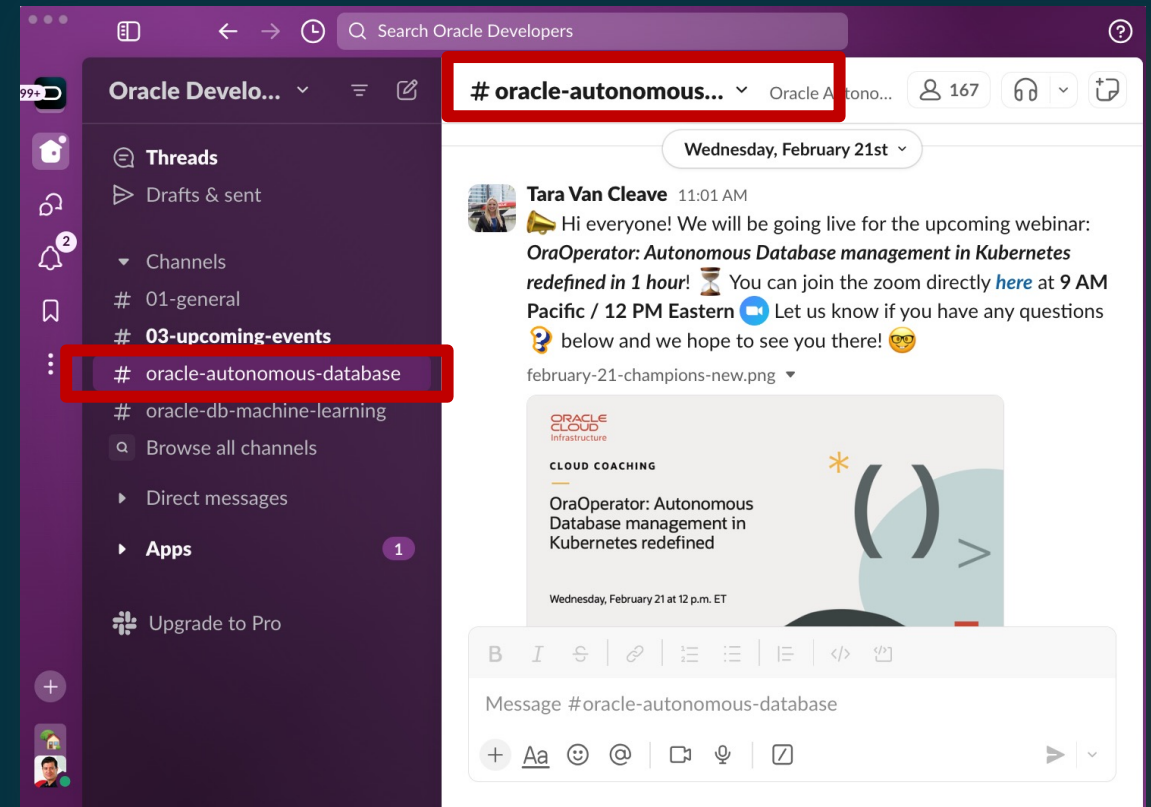
3 Got a question?
We are on stackoverflow
bit.ly/adb-stackoverflow

Join us on Developers Slack
(search #oracle-autonomous-database)
bit.ly/odevrel_slack (odevrel_slack)

Join our External Slack

STEP 1: bit.ly/odevrel_slack (odevrel_slack)

STEP 2: **search for #oracle-autonomous-database at the top and click on the Channel**



Upcoming Sessions

AUTONOMOUS DATABASE LEARNING LOUNGE

Presents

Graph RAG: Bring the Power of Graphs to Generative AI

November 21, 2024 @ 9AM US PT, 6PM CET

oracle.com/goto/adb-learning-lounge



Melli Annamalai



Upcoming Sessions

AUTONOMOUS DATABASE LEARNING LOUNGE

Presents



Graph RAG: Lleva el poder de los grafos a la IA generativa

26 Noviembre 2024 @ 11AM MEX/12PM COL/2PM ARG/6PM CET

oracle.com/goto/adb-learning-lounge-es



Ramu Murakami



Upcoming Sessions

AUTONOMOUS DATABASE LEARNING LOUNGE em Português apresenta

**Migração para ADB Parte I: Visualize e
avalie todo seu patrimônio de bases de
dados com o Oracle Estate Explorer**

27-Novembro-2024 @ 2PM BRA/5PM POR/6PM CET



oracle.com/goto/adb-learning-lounge-pt



**Juan
Mikalef**



**Lucas
Gonçalves**



Upcoming Sessions

AUTONOMOUS DATABASE LEARNING LOUNGE

en Español presenta



Migración a ADB Parte II: Migración sencilla desde versiones de bases de datos anteriores con DMS

3 Diciembre 2024 @ 11AM MEX/12PM COL/2PM ARG/6PM CET

oracle.com/goto/adb-learning-lounge-es



Jorge Martinez





Polls

Speakers

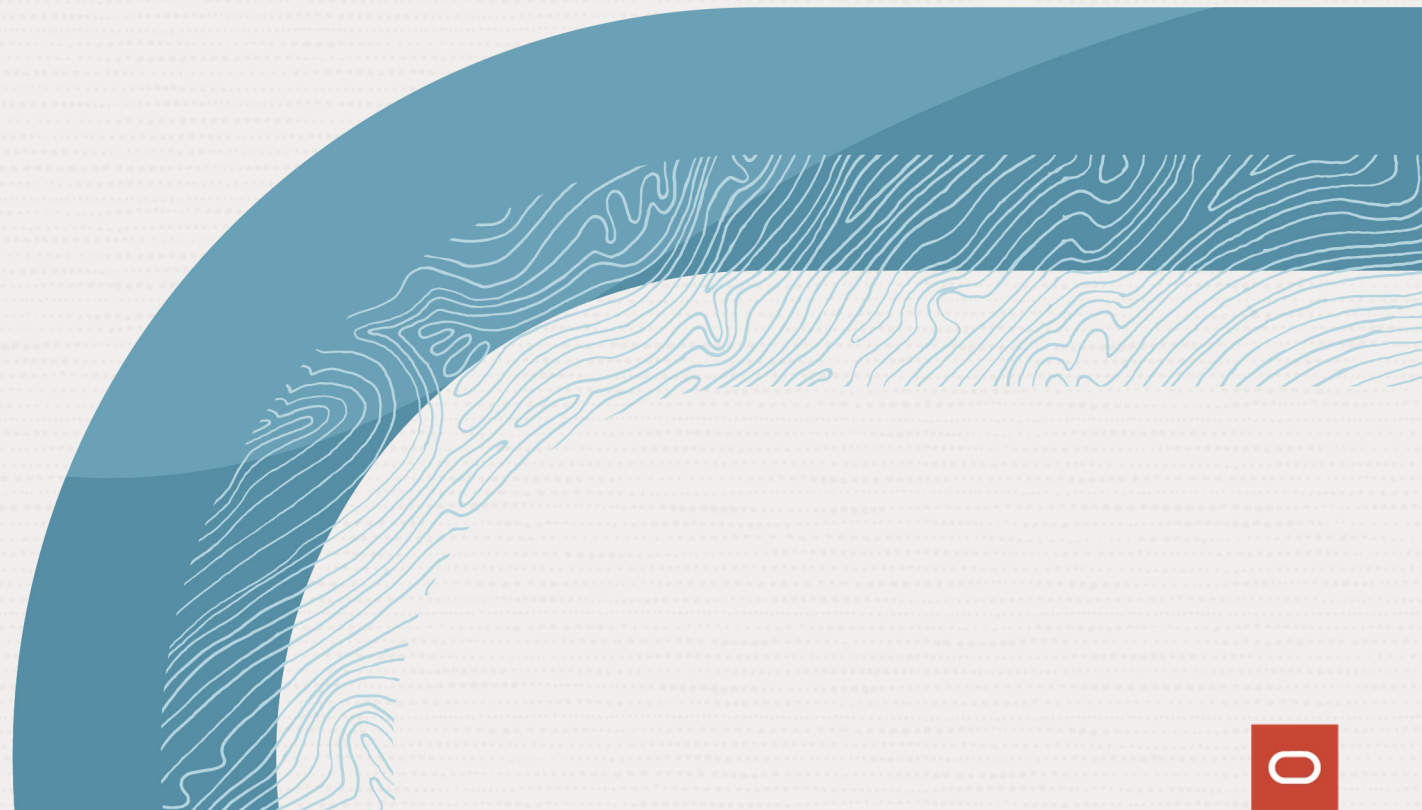


**Jorge
Martínez**

Cloud Database Migrations the Easy Way

Introduction to OCI Database Migration for Oracle Databases

for Oracle Databases



Safe harbor statement

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.



Resources to learn more

Video demonstration

[Click here](#)

Do a LiveLab online migration

[Click here](#)

Step-by-step guide and tutorial

[Click here](#)

Oracle migration documentation

[Click here](#)

MySQL migration documentation

[Click here](#)

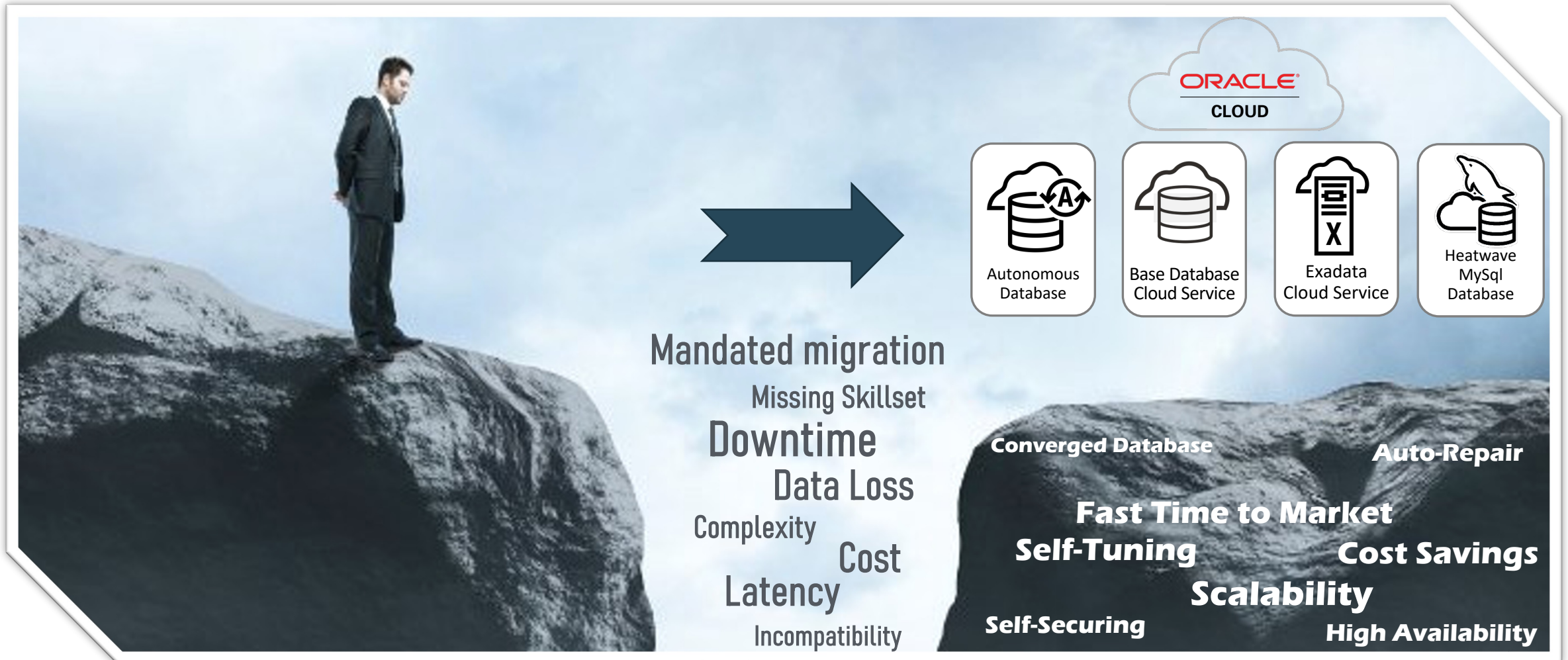
More information on Oracle.com

[Click here](#)



OCI Database Migration migrates to the following OCI targets:

An easy to use fully managed service



OCI Database Migration

Fully managed, easy-to-use homogeneous Oracle and MySQL database migrations

Database migrations

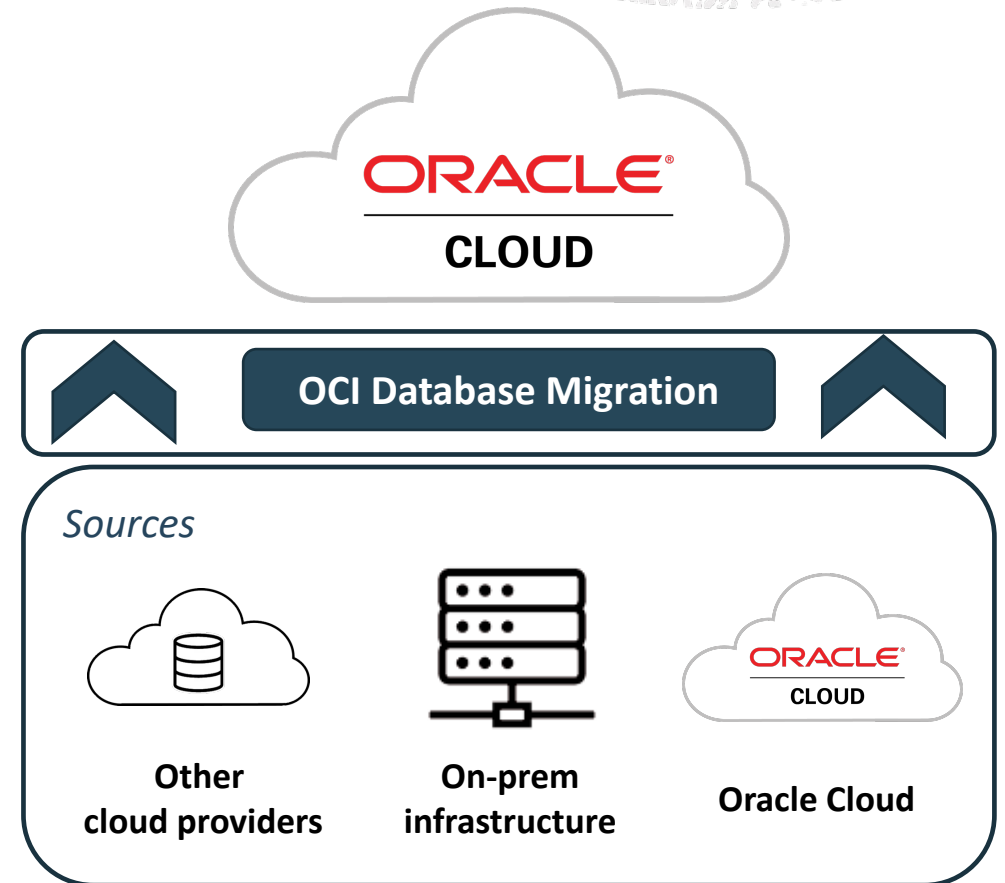
- Reduce cost and improve performance in Oracle Cloud
- Migrate databases, free for 6 months per migration

Core use cases

- Machine-assisted migrations for Oracle and MySQL Databases, Data Marts and Data Warehouses into Oracle Cloud Infrastructure

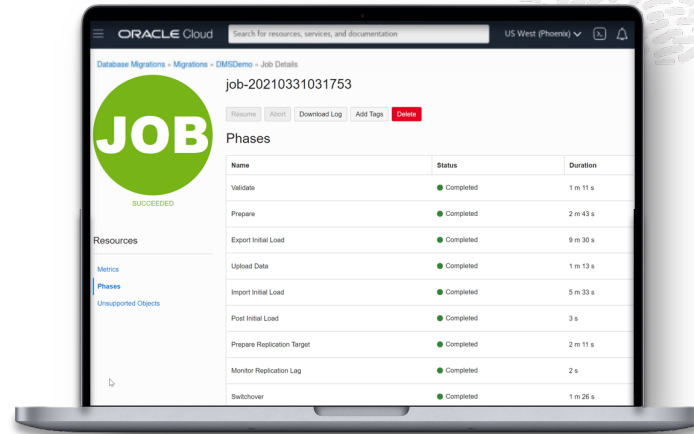
Differentiated use cases

- Simplifies underlying technologies and resources
- Logical *offline* and *online* migrations
- Schema/metadata migration



OCI Database Migration based on enterprise-strength tools

Single
Workflow



Simple Online
Experience

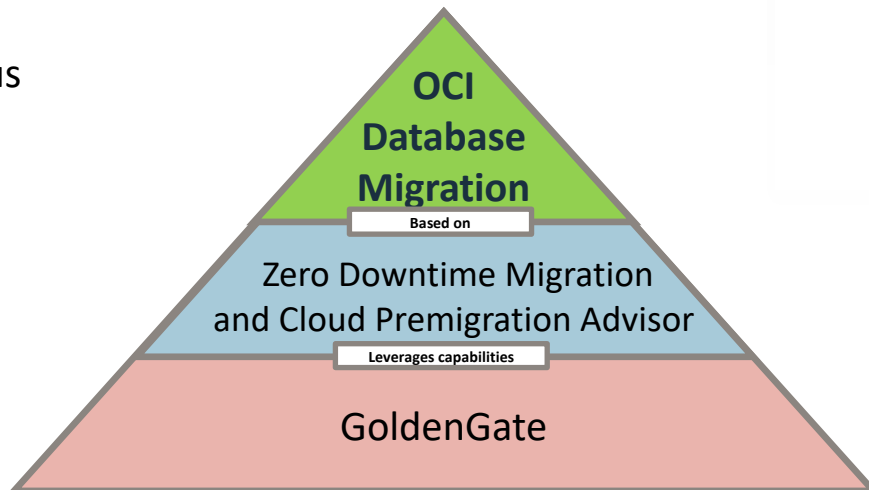
Oracle Databases

MySQL Databases

Move to
Autonomous



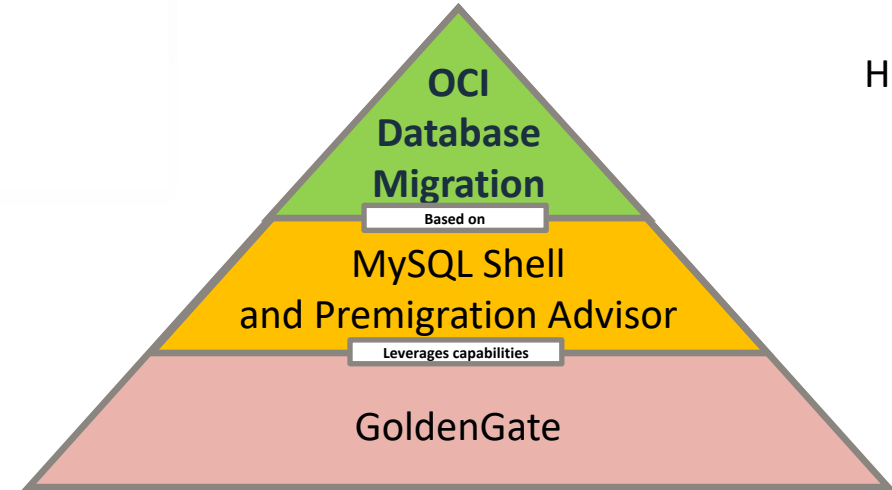
Flexible
Fleet-level



UI-led
experience



Expert
use



Move to
Heatwave MySQL



Flexible
Fleet-level



Different migration types



Offline Migration

- One-time copy of the database
- Requires applications to be offline during migration

Physical Migration (Not available in OCI DM)

- Blockwise copy of database files
- Requires database vendors and versions to be same on source and target
- No filtering or transformation
- Oracle DB Tools: RMAN, DataGuard, ZDM

Direct Connection

- Source database can be accessed directly from target network
- Requires VPN/FastConnect for on-premises

Online Migration

- Initial copy of database followed by change data capture during migration
- Applications can stay online during migration

Logical Migration

- Logically interpret database contents and copy to database in target format
- Source and target can be different
- Oracle DB Tools: Datapump, GoldenGate, ZDM
- MySQL Tools: MySQL Shell, GoldenGate

Indirect Connection

- Source database cannot be accessed directly, behind firewall
- Requires migration tool with agent

Oracle Database migration process and tools



Profile Estate

Review and prioritize by least effort and ongoing TCO

- [Oracle Estate Explorer*](#)
- [Cloud Services Advisor](#)



Methods

Select the simplest migration method

- [Migration Method Advisor](#)
- [Cloud Migration Advisor*](#)



Preparation

Ensure source compatibility with target

- Cloud Premigration Advisor Tool (CPAT)
- Embedded in OCI DM



Execution

Choose zero downtime or offline migrations

- [OCI Database Migration](#)



Validation

Ensure synchronization for ongoing online migrations

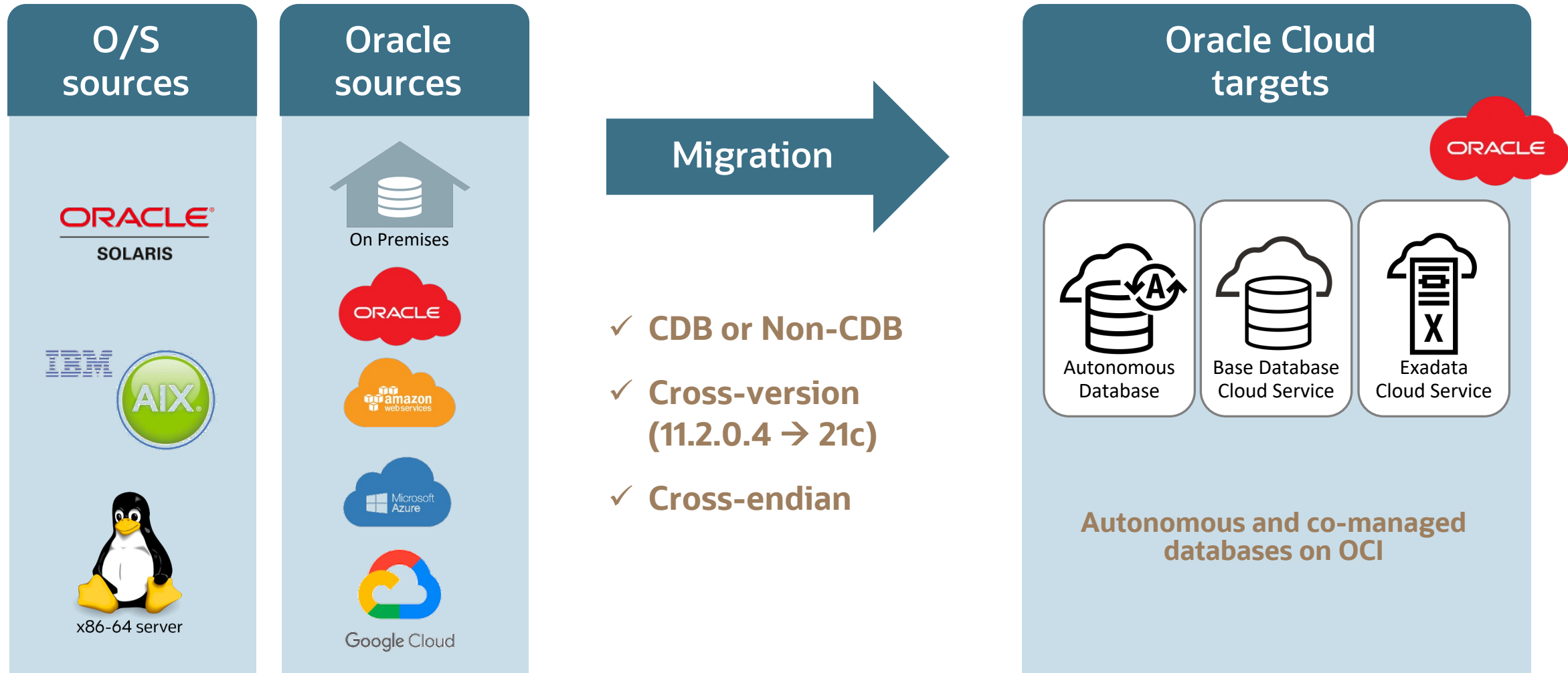
- GoldenGate Veridata

*Requires Oracle for access



OCI Database Migration – Native OCI Cloud Service

Supported sources, database versions, and targets



Migration steps



1

Prerequisites:

- Setup VPN or FastConnect
- Provision Target DB, Object Store, and Vault
- Configure source and target

Optional for online:

- OGG Marketplace

2

Setup

3

Validate

- Use CPAT interactively to discover and respond to issues

4

Start

- Fully automated

Optional controls

- Initial load
- Online replication
- Restarts

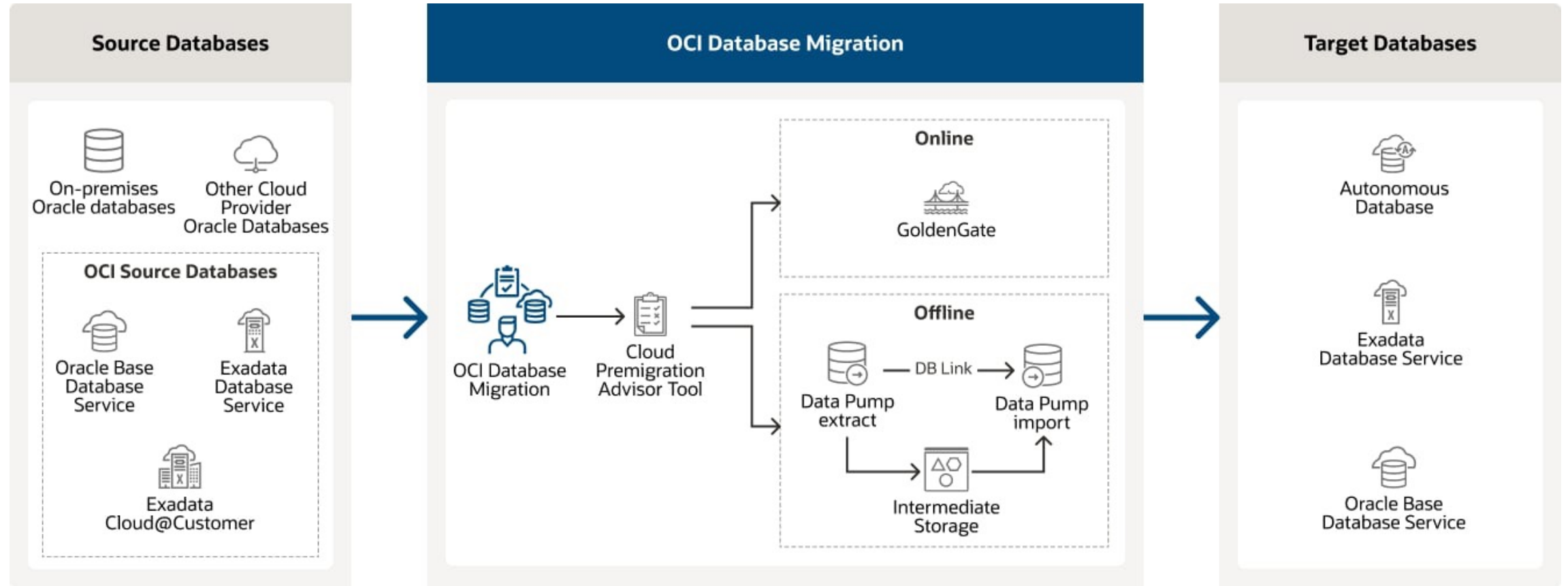
5

Complete

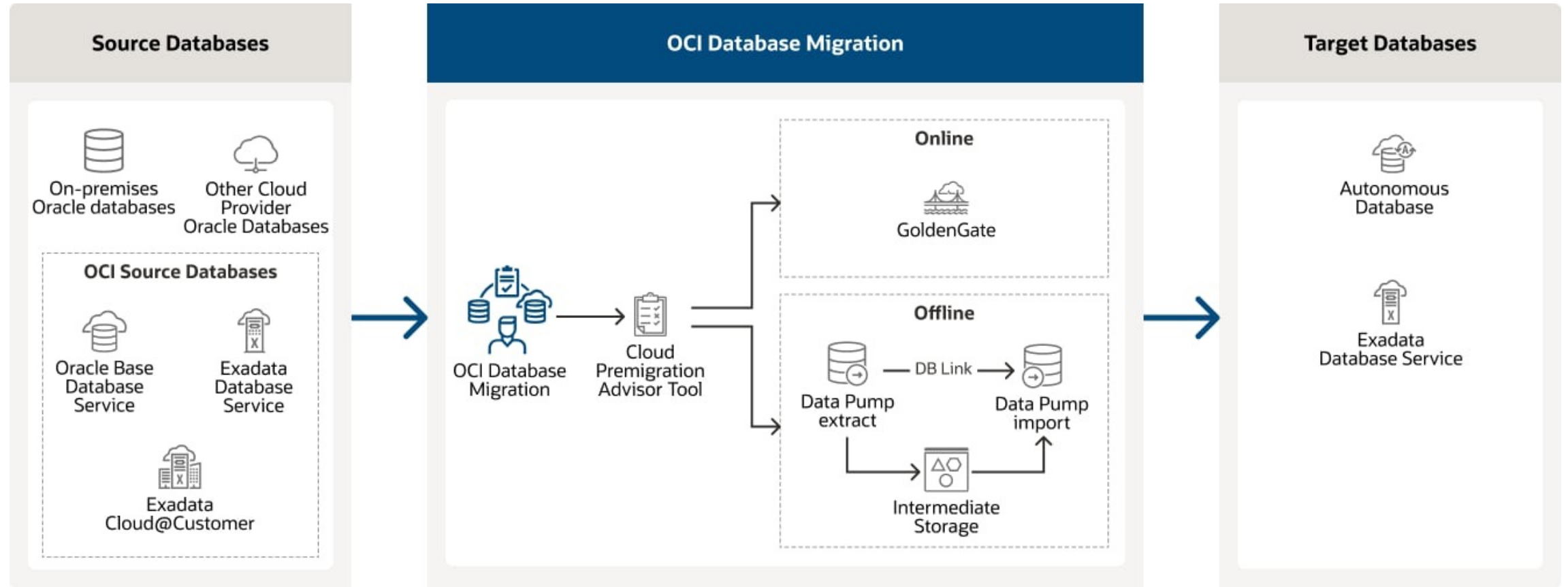
- Switch operations to new database



How it works for Oracle Cloud migrations



How it works for Oracle Database@Azure migrations



Pricing: FREE for all common Oracle use cases

Included:

- OCI Database Migration service operations and supporting infrastructure
- On-premises software agent for specific use cases
- OCI GoldenGate usage for online migrations
- *Oracle GoldenGate Marketplace for Database Migrations* license

Not included:

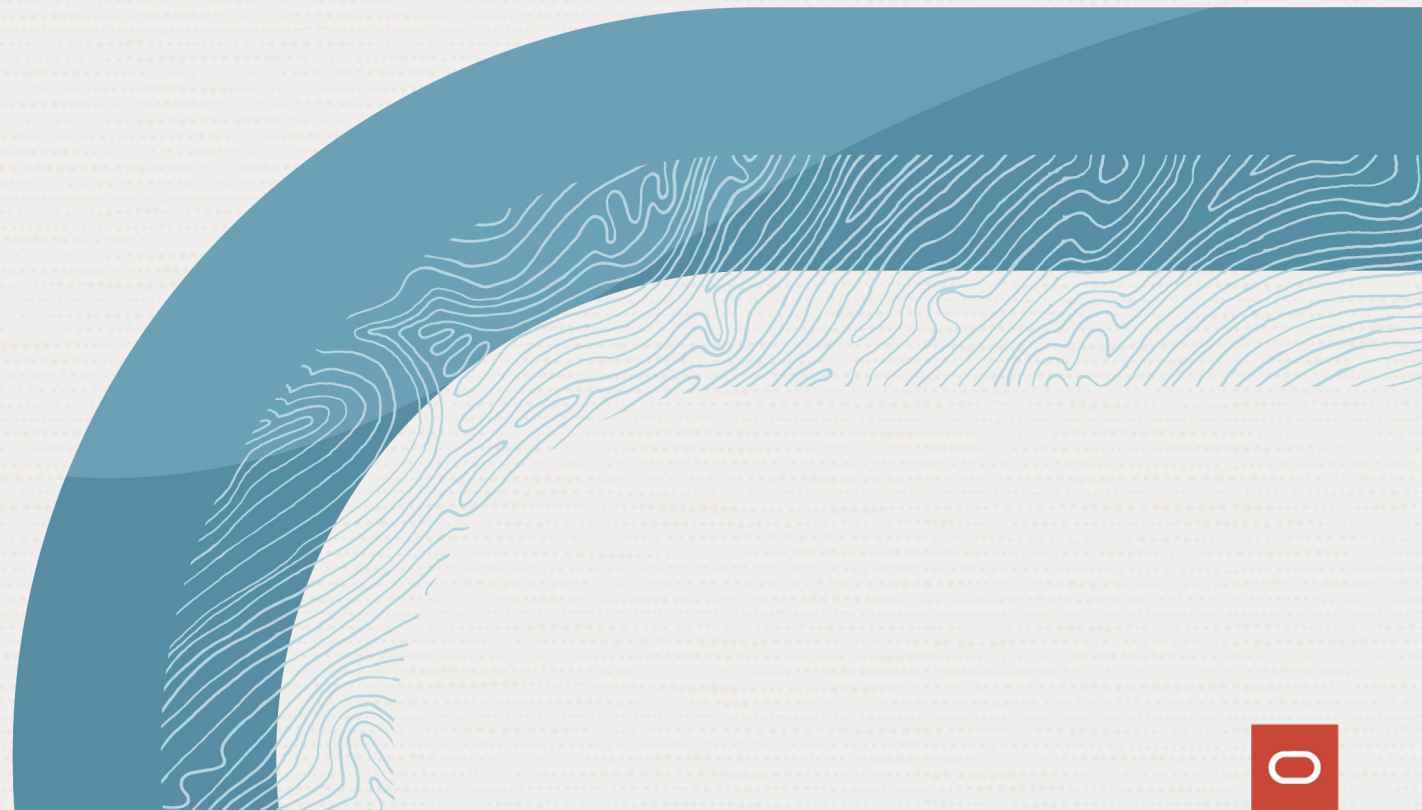
- Customer managed OCI resources used for database migration operations
 - Compute used for OCI GoldenGate, OCI Object Storage, File Storage Service, OCI Streaming, etc.
- FastConnect or other on-premise-to-cloud network connectivity
- Source or target database service costs

Exceptions:

- Migrations that run more than 183 days (6 months) after they have been created
- Migrations running for more than 60 days idle (no data transferred)
- Billing starts after time limits have been exceeded with \$0.20 / hour per migration



Initiate the service from Oracle@Azure



Azure requirements

1. Azure permissions to accept private offers on the Marketplace
2. Azure Virtual Network with a delegated subnet to the Oracle Database@Azure service: (Oracle.Database/networkAttachments)
3. Azure groups and roles:
 - a) Odbaa-exa-infra-administrators to provision Exadata infrastructure
 - b) Odbaa-vm-cluster-administrators to provision VM cluster
4. A deployed Oracle@Azure database
5. Federated SSO user to sign in into OCI

OCI requirements

1. Review the required policies in the following documentation [link](#).



Step 1: Identify your Oracle@Azure database deployment



Microsoft Azure

Search resources, services, and docs (G+)

Home > Oracle Database@Azure

Oracle Database@Azure | Oracle Autonomous Database Service

Search

Create

Manage view

Refresh

Export to CSV

Open query

Assign tags

Delete

Oracle Database@Azure

Overview

Oracle Autonomous Database Service

Oracle Exadata Database Service

DMS

Subscription equals all

Resource group equals all



Location equals all

Add filter

Showing 1 to 1 of 1 records.

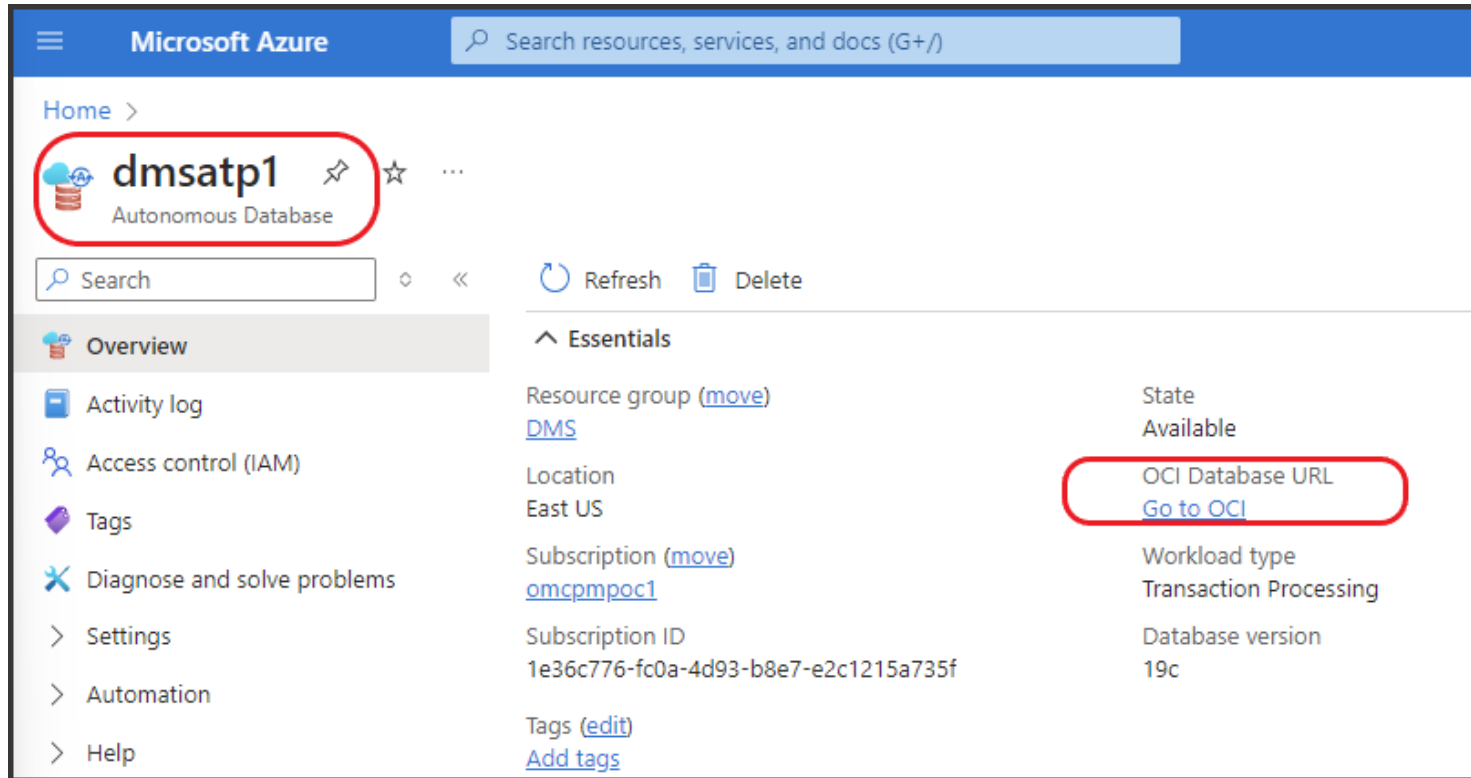
No grouping

List view

<input type="checkbox"/>	Name ↑↓	State ↑↓	Compute ↑↓	Storage ↑↓	Workload type ↑↓	Disaster recovery ↑↓
<input type="checkbox"/>	 dmsatp1	 Available	2	512 GB	Transaction Processing	Primary

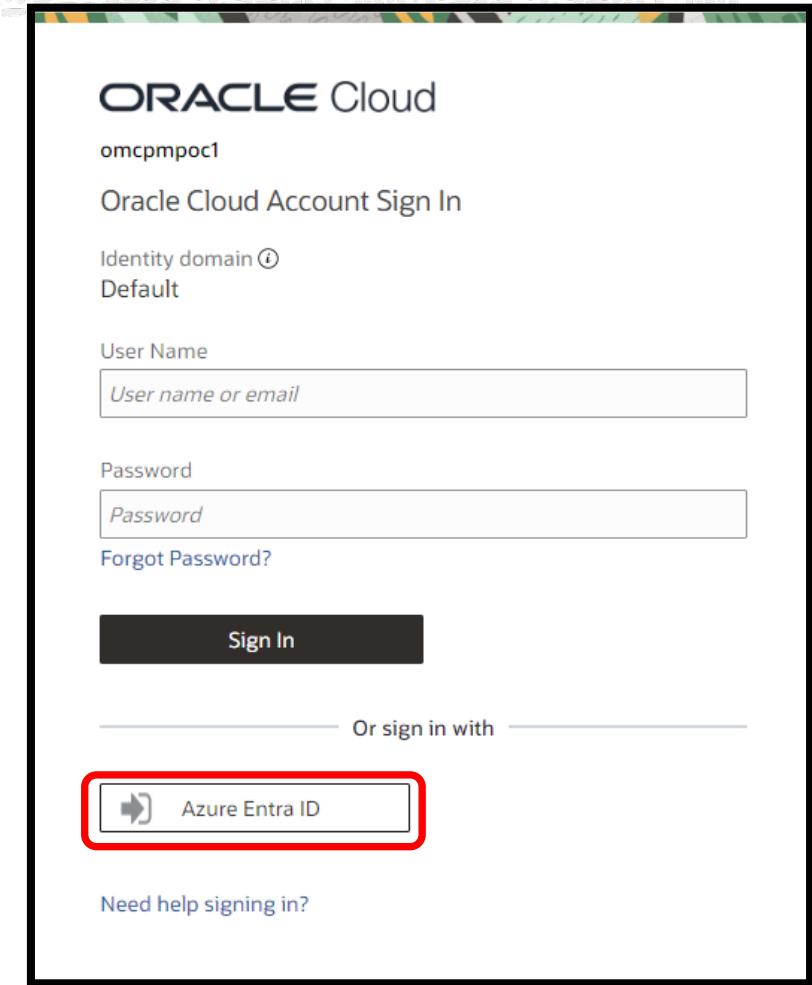


Step 2: Identify the OCI Database URL and click it



The screenshot shows the Microsoft Azure portal interface. At the top, there's a search bar and a navigation menu. The main content area displays the details of an Autonomous Database resource named 'dmsatp1'. The resource is highlighted with a red circle. Below the resource name, there's a search bar and a 'Refresh' button. The 'Overview' tab is selected, showing various details about the database. The 'OCI Database URL' is highlighted with a red circle, and the 'Go to OCI' link is also highlighted with a red circle. The 'State' is 'Available'.

Resource group	State
DMS	Available
Location	
East US	
Subscription	
omcpmpoc1	
Subscription ID	
1e36c776-fc0a-4d93-b8e7-e2c1215a735f	
Tags	
Add tags	
Workload type	
Transaction Processing	
Database version	
19c	



The screenshot shows the Oracle Cloud Account Sign In page. The page has a header with the Oracle Cloud logo and the account name 'omcpmpoc1'. Below the header, there's a section for 'Oracle Cloud Account Sign In'. The 'Identity domain' is 'Default'. There are input fields for 'User Name' and 'Password'. The 'User Name' field has a placeholder 'User name or email'. The 'Password' field has a placeholder 'Password'. There's a 'Forgot Password?' link. A 'Sign In' button is present. Below the 'Sign In' button, there's a section for 'Or sign in with' which includes an 'Azure Entra ID' button, highlighted with a red circle. At the bottom, there's a link for 'Need help signing in?'.

ORACLE Cloud

omcpmpoc1

Oracle Cloud Account Sign In

Identity domain ⓘ
Default

User Name

Password

[Forgot Password?](#)

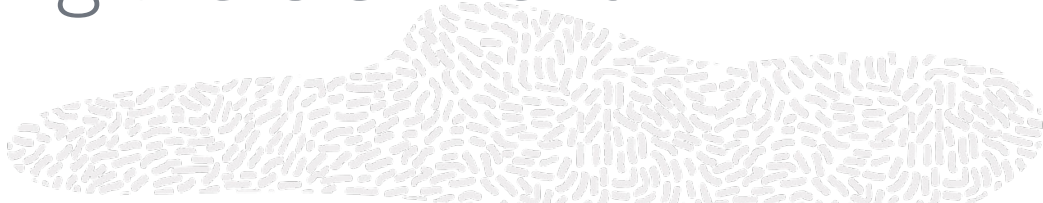
[Sign In](#)

Or sign in with

[Azure Entra ID](#)

[Need help signing in?](#)

Step 3: Navigate to the service using the OCI menu



X

ORACLE Cloud

Cloud Classic >

Search resources, services, documentation, and Marketplace

Q Search

Databases

Analytics & AI


Developer Services

Identity & Security

Observability & Management

Hybrid

Migration & Disaster Recovery



Migration & Disaster Recovery

Data Transfer

Import

Cloud Migrations

Overview

Migrations

Remote Connections

Discovery

Inventory

Database Migration

Overview

Migrations

Database Connections

Disaster Recovery

Overview

DR Protection Groups



Step 4: The Database connection creation for your Oracle@Azure database should be transparent, use it as target.

ORACLE Cloud Cloud Classic >

Create connection

1 General information
2 **Connection details**

Before creating this database connection, ensure to [prepare your databases for migration](#).

Enter connection details for Oracle Autonomous Database.

Database in **1e36c776-fc0a-4d93-b8e7-**

[\(Change compartment\)](#)

dmsatp1

Initial load database username
system

Initial load database password
.....

☐ Use different credentials for replication

Network connectivity

☒ Create private endpoint to access this database ⓘ

Subnet in **1e36c776-fc0a-4d93-b8e7-**

[\(Change compartment\)](#)

primary-subnet-1723055689646 (in V...)

[Previous](#) **Create** [Cancel](#)

Test connection

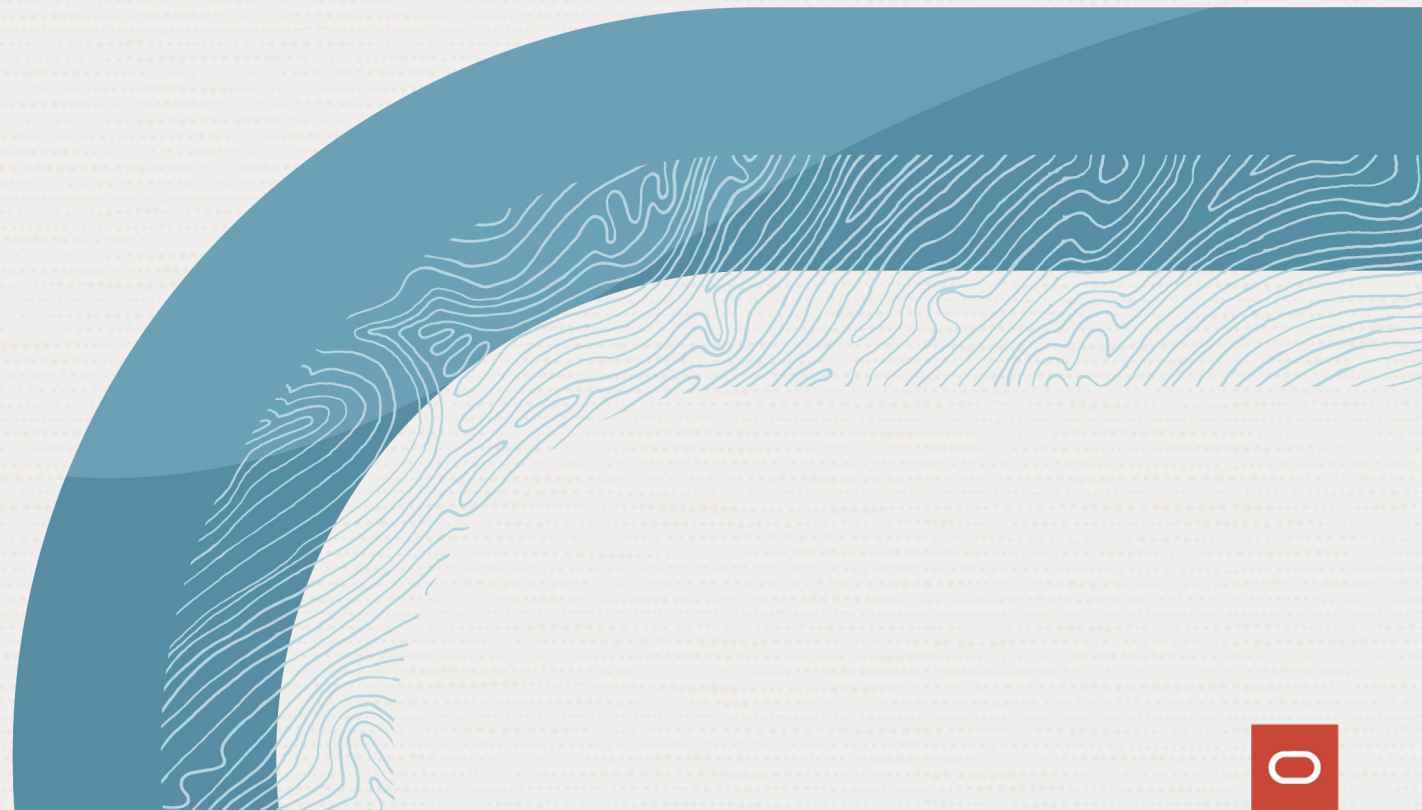
Diagnostic tests passed, connection to your database was successful.

Close

You can now start your migration. Follow the next “Migration Walkthrough” section for the complete details.



A walkthrough



Step 1: *Select* Database Migration menu on the OCI Console



Step 2: Create Connections for source and target

Provide reusable connection information and credentials for databases

Create connection

1 General information

2 Connection details

Name

PDB

Description *Optional*

Compartment

Type

Oracle Database

Vault in **jorge** ⓘ [\(Change compartment\)](#)

DMS_Vault

Encryption key in **jorge** ⓘ [\(Change compartment\)](#)

DMS_Key

Show advanced options

Next

Cancel

Create connection

1 General information

2 Connection details

Enter connection details for Oracle Database.

Database details

Select database

Enter database information

Database system in **jorge** [\(Change compartment\)](#)

BaseDatabaseSJ

Database home

dbhome20240213225644

Database

DB0213

Pluggable database *Optional*

pdb

Initial load database username

System

Initial load database password

.....

Use different credentials for replication

Database wallet *Optional*

Drop a file or [select one](#)

Database auto login wallet (.soo) files only

Network connectivity

Create private endpoint to access this database ⓘ

Previous

Create

Cancel



Step 3: Create Migration

Select migration method and other settings to move a database to the cloud



Create migration [Help](#)

1 General information

2 Select databases

3 Migration options

Name

MyMigration

Description Optional

Compartment

ggstage (root)/DMS/jorge

Show advanced options

Next

Cancel

Create migration [Help](#)

General information

2 Select databases

3 Migration options

Source database

Database connection in **jorge** [\(Change compartment\)](#)

PDB

☐ Database is plugable database (PDB)

Target database

Database connection in **jorge** [\(Change compartment\)](#)

TargetATP

Previous

Next

Cancel

Create migration [Help](#)

General information

2 Select databases

3 Migration options

Transfer medium for initial load

☒ Data Pump via Object Storage
Use Data Pump to temporarily store the exported database in an Object Storage bucket.

☐ Data Pump via database link
Use a direct SQL*Net connection between the source and the target databases.

☐ Data Pump via file storage
Use a shared NFS mount between the source and the target databases using the File Storage Service.

Source database

Export directory object name [?](#)

Export directory object path [?](#)

Target database

Import directory object name [?](#)

Import directory object path [?](#)

Target Database file system SSL wallet path [?](#)

To download dump files using HTTPS, you require an SSL wallet.
Click the [link](#) to view the steps to download a pre-created wallet or to create a wallet.

Object Storage bucket in **jorge** [?](#) [\(Change compartment\)](#)

Select an Object Storage bucket

☒ Use online replication [?](#)

Previous

Create

Cancel



Step 4a: Validate Migration

Confirm all prerequisites and permissions. CPAT identifies incompatible objects.

DM

ACCEPTED

TestMigration

Validate

Start

Clone

Move resource

Migration information

Notification

OCID: ...khho4q

Show

Copy

Compartment: ggsstage (root)/DMS/jorge

Created: Wed, Feb 14, 2024, 21:16:26 UTC

Encryption vault: DMS_Vault

Encryption key: DMS_Key

Edit

JOB

FAILED

An attempt to migrate a database with zero downtime failed because execution of CPAT found blockers. The accompanying messages provide detailed information.

job-20240226225210

Resume

Abort

Download log

Add tags

Delete

Job information

Tags

OCID: ...uijja

Show

Copy

Created: Mon, Feb 26, 2024, 22:52:10 UTC

Migration: CPATChecks2SSH

Compartment: ggsstage (root)/DMS/jorge

Type: Evaluation

Resources

Phases

Phases

Excluded objects

Name	Status	Duration
Validate target	Completed	12 s
Validate source	Completed	13 s
Validate premigration advisor	Failed	19 s

Embedded CPAT rules evaluate source database for issues. Validation fails when issues need user attention.

Step 4b: Validate Migration

Resolve CPAT findings

AR

FAILED

Download advisor report

Advisor report information

Action required count: 12

Review required count: 2

Review suggested count: 4

Resources

Checks

Filters

Result type

- ☒ Action required
- ☒ Review required
- ☐ Review suggested
- ☒ Passed

Checks

A check is a compatibility test for source database objects in the target database environment. Checks can be suggested, review required, action required, or failed result. [Learn more](#)

Name	Result	Reviewed
Has columns with media data types adb	Action required	No
Has noexport object grants	Review required	No
Gg not unique bad col no	Review required	No
Dp has low streams pool size	Passed	No

View check details

Name: Has columns with media data types adb

Result: Action required

Reviewed: No

Issue: Multimedia object types such as those from ORDSYS cannot be used in Autonomous databases.

Impact: Columns with Media data types are not allowed in Autonomous Database. Migration of tables with multimedia columns will fail.

Action: Follow the instructions in the Oracle Multimedia README.txt file in <ORACLE_HOME>/ord/im/admin/README.txt, or Oracle Support Document ID 2555923.1 to determine if Oracle Multimedia methods and packages are being used. If Oracle Multimedia is being used, refer to Oracle Support Document ID 2347372.1 for suggestions on replacing Oracle Multimedia. Refer to Oracle Support Document ID 2375644.1 "How To Migrate Data From Oracle Multimedia Data Types to BLOB columns" for information on how to move data stored in Oracle Multimedia object types to SecureFiles LOBs.

Objects:

Exclude all

Exclude selected

Include selected

<input checked="" type="checkbox"/>	OWNER	TABLE_NAME	COLUMN_NAME	DATA_TYPE	Is excluded
<input checked="" type="checkbox"/>	HR01	IMAGE_TABLE	IMAGE	ORDIMAGE	No

1 selected

Showing 1 item < Page 1 >

The advisor displays the *Issue*, *Impact*, and available *Actions*. In this case, the problematic object is excluded from the migration.



Step 4c: Validate Migration

Validation success!

DM

ACCEPTED

TestMigration

Validate

Start

Clone

Move resource

More actions

Migration information

Notifications

Tags

OCID: ...khho4q

Show

Copy

Compartment: ggsstage (root)/DM

Created: Wed, Feb 14, 2024, 21:1

Encryption vault: DMS_Vault

Encryption key: DMS_Key

Edit

JOB

SUCCEEDED

job-20240214211656

Resume

Abort

Download log

Add tags

Delete

Job information

Tags

OCID: ...l2mkza

Show

Copy

Created: Wed, Feb 14, 2024, 21:16:56 UTC

Migration: CPATChecks2

Compartment: ggsstage (root)/DMS/jorge

Type: Evaluation

Resources

Phases

Phases

Excluded objects

Name	Status	Duration
Validate target	Completed	7 s
Validate source	Completed	5 s
Validate premigration advisor	Completed	15 s

After repairs, the validation runs again. When validation succeeds, the migration continues to the next phase.

Step 5: Start Migration

Initiate the migration job to migrate the database to the cloud

DM

ACCEPTED

TestMigration

Validate

Start

Clone

Move resource

More actions

Migration information

OCID: ...khho4q

Show

Copy

Compartment: ggsstage (

Created: Wed, Feb 14, 20

Encryption vault: DMS_V

Encryption key: DMS_Ke

JOB

IN PROGRESS

Migration in progress at phase "Validate" (Phase 1 of 7).

job-20240228003617

Resume

Abort

Download log

Add tags

Delete

Job information

Tags

OCID: ...hic5ea

Show

Copy

Created: Wed, Feb 28, 2024, 00:36:17 UTC

Migration: CPATChecks2

Compartment: ggsstage (root)/DMS/jorge

Type: Migration

Resources

Phases

Excluded objects

Metrics

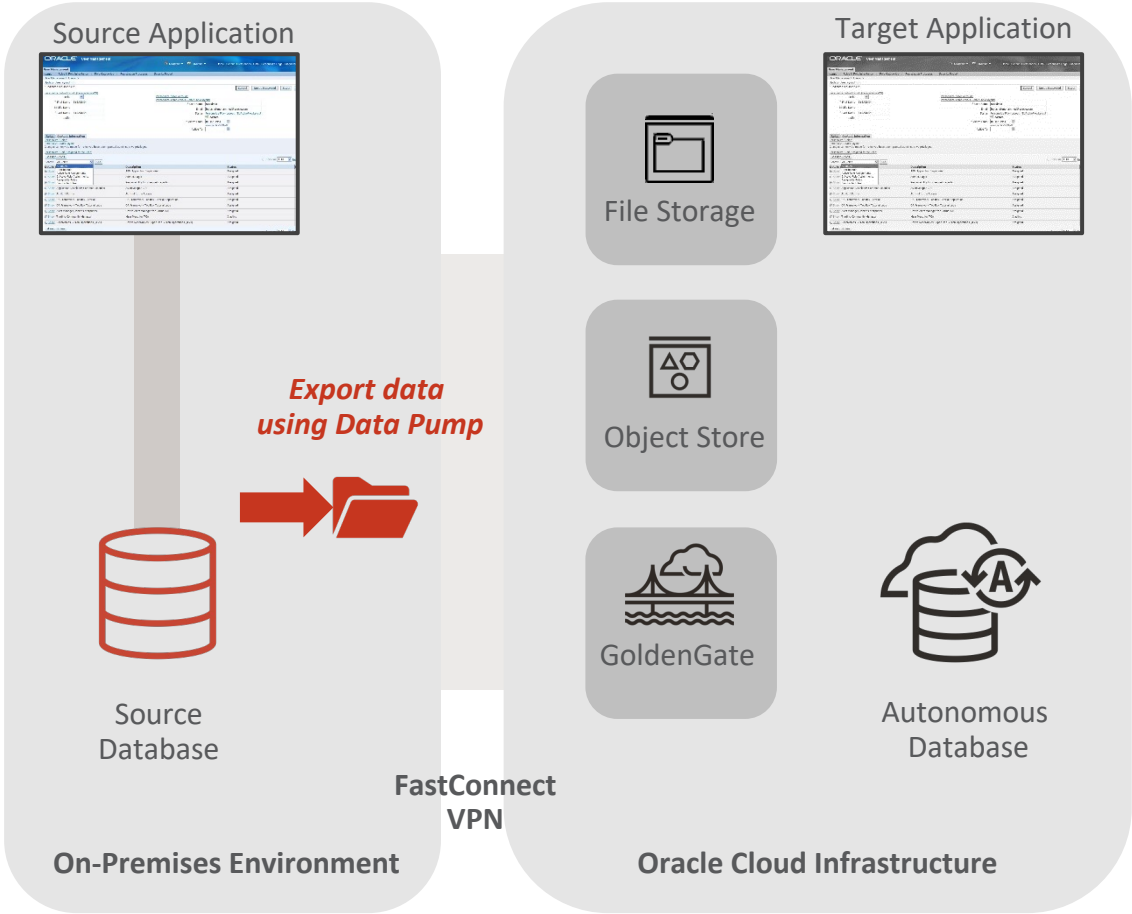
Phases

Name	Status	Duration	
Validate	Started	5 s 55 ms	
Prepare	Pending	—	



Start Migration – Export Initial Load

Current DB state is exported to files using Oracle Data Pump



Phases

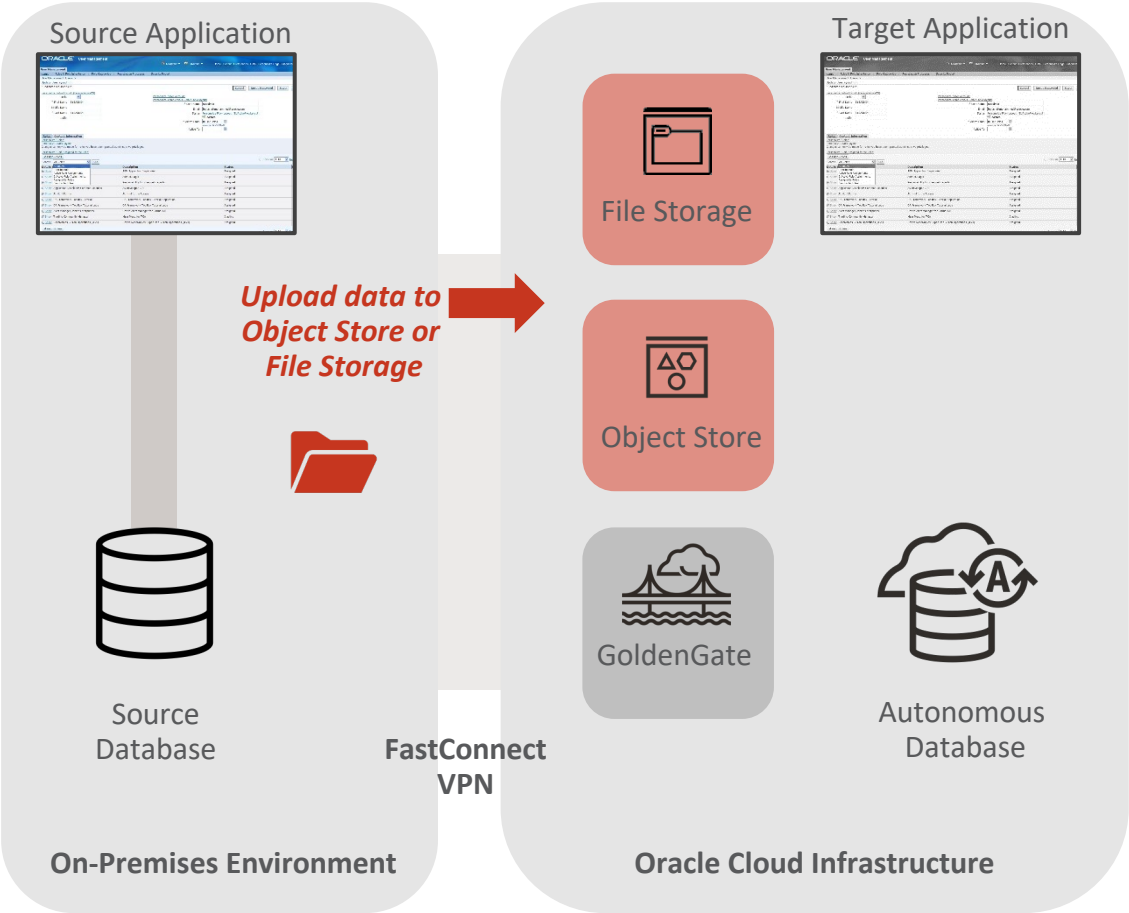
Name	Status	Duration
Validate	● Completed	1 m 11 s
Prepare	● Completed	2 m 43 s
Export Initial Load	● Started <div><div></div></div> 66%	3 m 38 s
Upload Data	● Pending	—
Import Initial Load	● Pending	—
Post Initial Load	● Pending	—
Prepare Replication Target	● Pending	—
Monitor Replication Lag	● Pending	—
Switchover	● Pending	—
Cleanup	● Pending	—

Showing 10 Items < 1 of 1 >



Start Migration – Upload Data

Data Pump export is uploaded to the intermediate storage



Phases

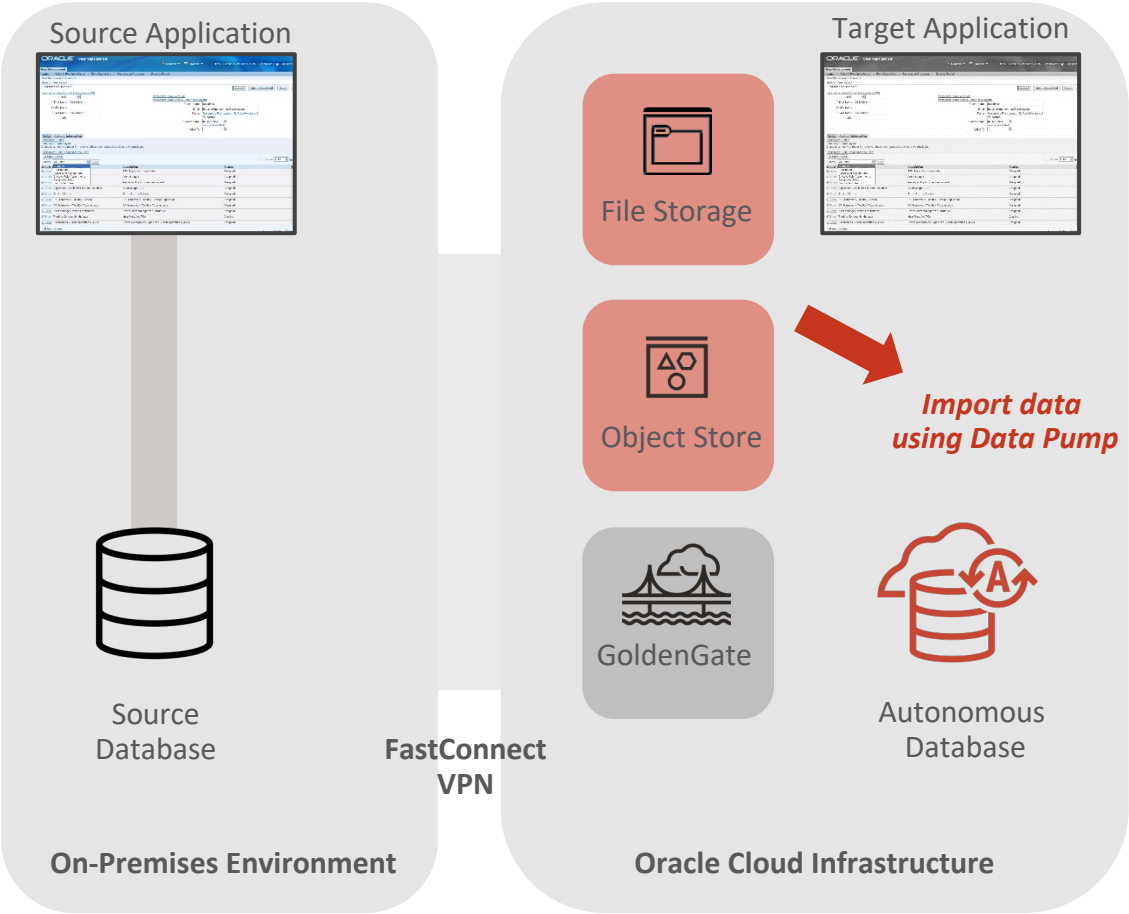
Name	Status	Duration
Validate	● Completed	1 m 11 s
Prepare	● Completed	2 m 43 s
Export Initial Load	● Completed	9 m 30 s
Upload Data	● Started	26 s
Import Initial Load	● Pending	—
Post Initial Load	● Pending	—
Prepare Replication Target	● Pending	—
Monitor Replication Lag	● Pending	—
Switchover	● Pending	—
Cleanup	● Pending	—

Showing 10 Items < 1 of 1 >



Start Migration – Import Initial Load

Exported dump files are imported to ADB



Phases

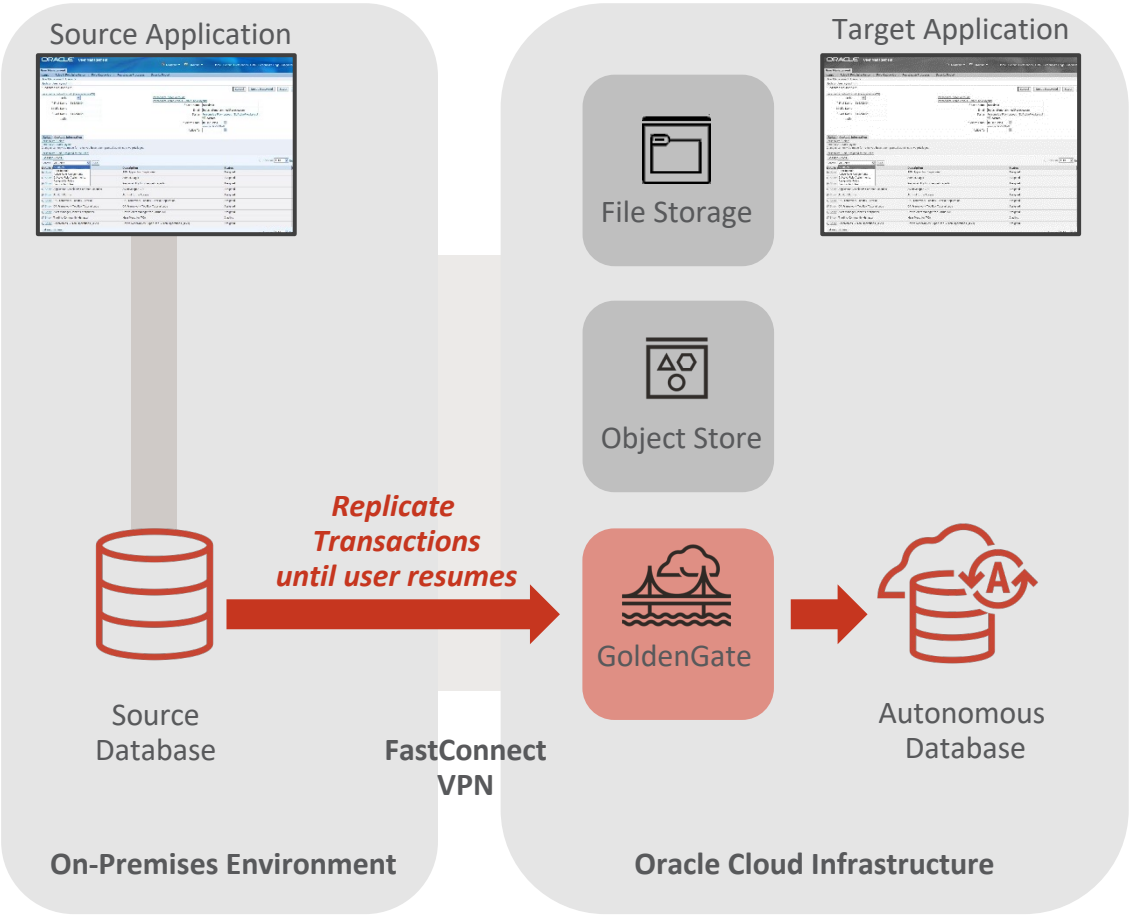
Name	Status	Duration
Validate	● Completed	1 m 11 s
Prepare	● Completed	2 m 43 s
Export Initial Load	● Completed	9 m 30 s
Upload Data	● Completed	1 m 13 s
Import Initial Load	● Started <input checked="" type="checkbox"/> 50%	3 m 30 s
Post Initial Load	● Pending	—
Prepare Replication Target	● Pending	—
Monitor Replication Lag	● Pending	—
Switchover	● Pending	—
Cleanup	● Pending	—

Showing 10 Items < 1 of 1 >



Start Migration – Replication

DB transactions are replicated using GoldenGate until user resumes the next phase



Phases

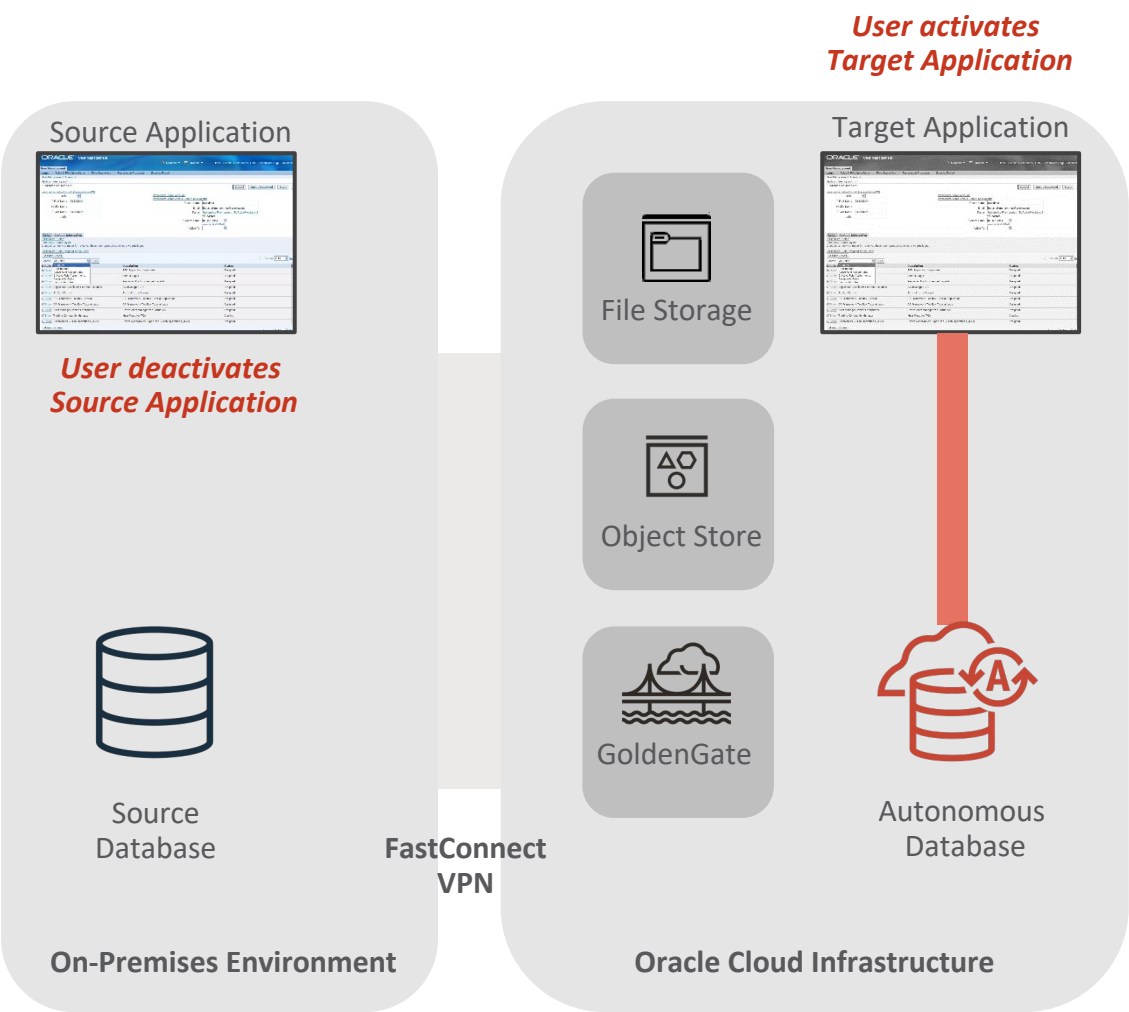
Name	Status	Duration
Validate	● Completed	1 m 11 s
Prepare	● Completed	2 m 43 s
Export Initial Load	● Completed	9 m 30 s
Upload Data	● Completed	1 m 13 s
Import Initial Load	● Completed	5 m 33 s
Post Initial Load	● Completed	3 s
Prepare Replication Target	● Completed	2 m 11 s
Monitor Replication Lag	● Completed	2 s
Switchover	● Pending	—
Cleanup	● Pending	—

Showing 10 Items < 1 of 1 >



Start Migration – Switchover

Wait until last transaction is replicated to switch over applications

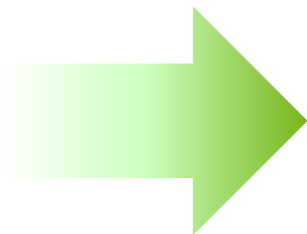


Phases		
Name	Status	Duration
Validate	● Completed	1 m 11 s
Prepare	● Completed	2 m 43 s
Export Initial Load	● Completed	9 m 30 s
Upload Data	● Completed	1 m 13 s
Import Initial Load	● Completed	5 m 33 s
Post Initial Load	● Completed	3 s
Prepare Replication Target	● Completed	2 m 11 s
Monitor Replication Lag	● Completed	2 s
Switchover	● Completed	1 m 26 s
Cleanup	● Pending	—

Showing 10 Items < 1 of 1 >



Migration Succeeded!



JOB

SUCCEEDED

job-20240103044437

Resume

Abort

Download log

Add tags

Delete

Job information

Tags

OCID: ...5ujwba Show Copy

Created: Wed, Jan 3, 2024, 04:44:37 UTC

Migration: GREENBUTTON

Compartment: ggsstage (root)/DMS/jorge

Type: Migration

Resources

Phases

Excluded objects

Metrics

Phases

Name	Status	Duration	
Initialize replication infrastructure	● Completed	14 m 12 s 527 ms	⋮
Validate	● Completed	4 m	⋮
Prepare	● Completed	6 m	⋮
Export initial load	● Completed	6 m	⋮
Upload data	● Completed	55 m	⋮
Import initial load	● Completed	45 m	⋮
Post initial load	● Completed	15 m	⋮
Prepare replication target	● Completed	4 m	⋮
Monitor replication lag	● Completed	48 m	⋮
Switchover	● Completed	6 m	⋮
Cleanup	● Completed	4 m	⋮

Showing 11 items < 1 of 1 >



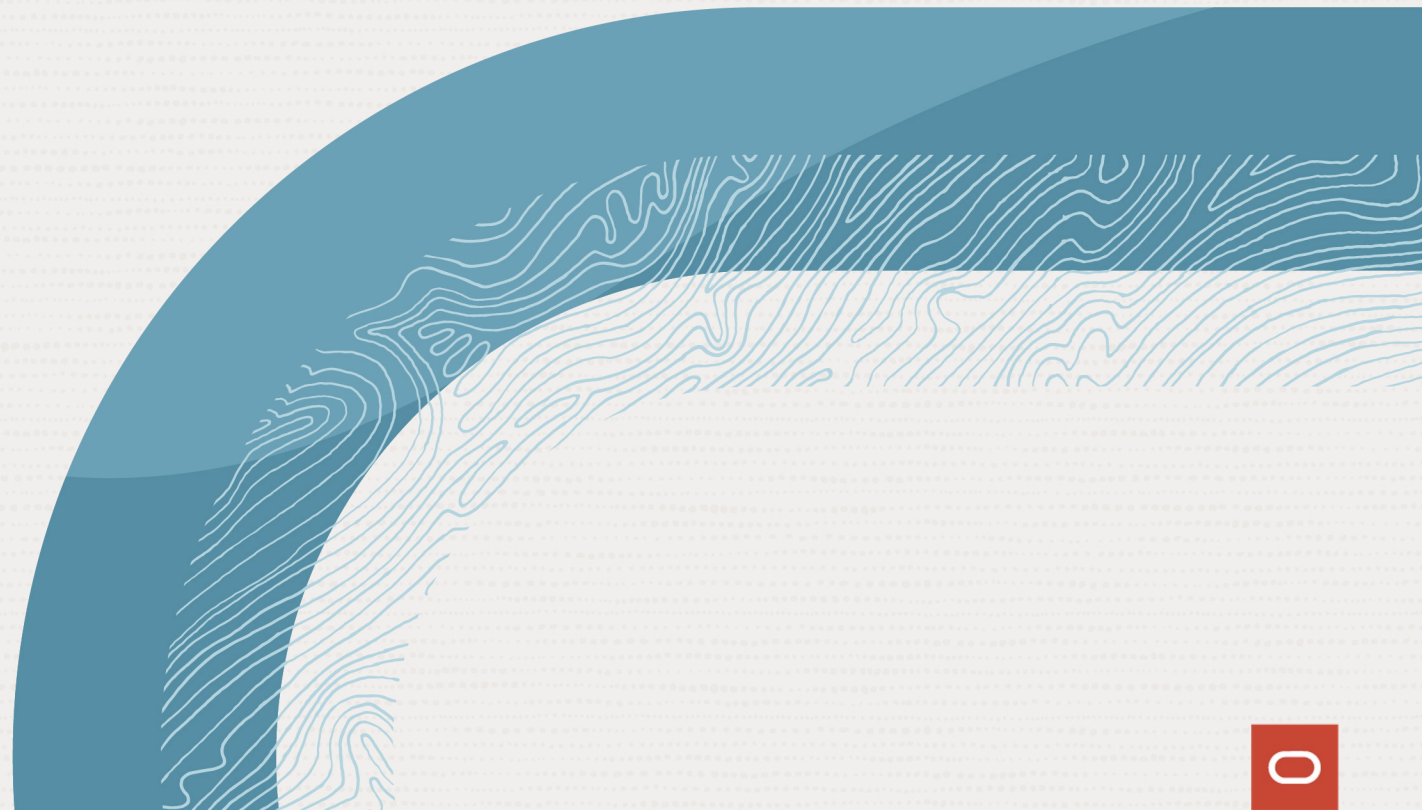
Demo Video



<https://youtu.be/6Ji3EOPsRjg>



Thank You!



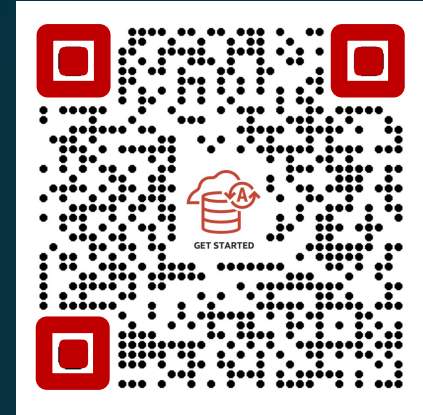
ORACLE

Q&A Open



Important links to bookmark

Links to get you started and to keep up to date with Autonomous Database



1 New Get Started page:
oracle.com/autonomous-database/get-started/

2 Join us: **LinkedIn**
bit.ly/adb-linkedln-grp   [@AutonomousDW](https://twitter.com/AutonomousDW)

3 Got a question?
We are on stackoverflow
bit.ly/adb-stackoverflow

Join us on Developers Slack
(search #oracle-autonomous-database)
bit.ly/odevrel_slack (odevrel_slack)

Final Thoughts

oracle.com/goto/adb-learning-lounge

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The Autonomous Database Learning Lounge series offers free bi-weekly Live Webinars where **Oracle Product Managers** share the many ways you can unlock your talents with complete tutorials on the most important topics for any professional looking to improve their skills for the **Data Platform** on the Cloud with Autonomous Database.

For more information on all things **Autonomous Database**, make sure to go to our site for **Get Started with Autonomous Database** at: <https://www.oracle.com/autonomous-database/get-started/>

The listing below shows the Autonomous Database Learning Lounge sessions, their recordings, links to other important resources on each subject.

Show All

Upcoming

Replays

Upcoming

Migration to ADB Part I: Visualize and Evaluate your entire database estate with Oracle Estate Explorer

12 November 2024 09:00 AM US/Pacific

Marcos Arancibia, Paul Brankin, Simon Griffiths

English

1 Hour

Log In To Register

Migration to ADB Part II: Easily migrate from previous database releases with DMS

19 November 2024 09:00 AM US/Pacific

Marcos Arancibia

English

1 Hour

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Replays

Sort By: Newest

Unlock modern analytics and AI with Oracle's converged platform

Marcos Arancibia, George Lumpkin

Unlock modern analytics and AI with Oracle's converged platform

What a week! Recapping Autonomous Database at Oracle CloudWorld'24

Marty Guber, Keith Laker, Marcos Arancibia

What a week! Recapping Autonomous Database at CloudWorld'24

The new way to manage Oracle Databases on Microsoft Azure for Oracle DBAs

Robert Greene

The new way to manage Oracle Databases on Microsoft Azure for Oracle DBAs

Ten ways you can use your Azure services with Oracle Database@Azure

Marty Guber, Domenick Picarella

Ten ways you can use your Azure services with Oracle Database@Azure

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LEARNING LOUNGE

**Thank you for joining
today's webinar !!!**
