



ORACLE

Migration to Oracle Autonomous Database

Bern, March 2025

Oracle

DBAs

run the world





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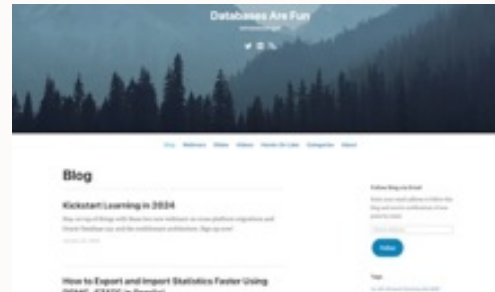
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Web Seminar	Video
Episode 10 Improving Clouds in Real Time (2016) Clouds for Data Science and Analytics (2016) November 19, 2016	
Episode 11 Clouds for Data Science and Analytics (2016) December 1, 2016	
Episode 12 Clouds for Data Science and Analytics (2016) December 1, 2016	
Episode 13 Clouds for Data Science and Analytics (2016) December 1, 2016	
Episode 14 Clouds for Data Science and Analytics (2016) December 1, 2016	
Episode 15 Clouds for Data Science and Analytics (2016) December 1, 2016	

Recorded Web Seminars

<https://MikeDietrichDE.com/videos>

More than 35 hours of technical content,
on-demand, anytime, anywhere

Webinar | Autonomous Database



Scan me to sign up

Migration to Oracle Autonomous Database

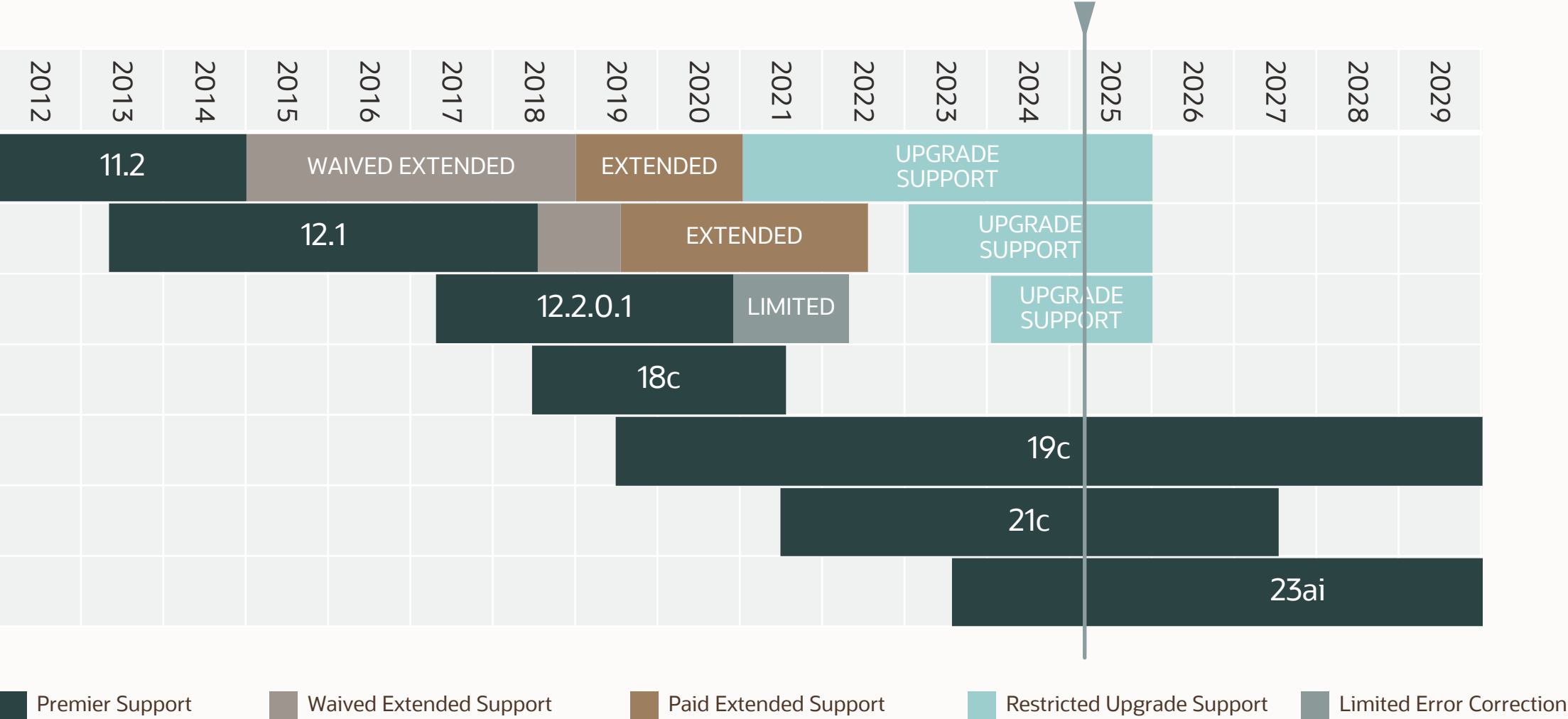
– Everything you need to know

April 3, 15:00 CET

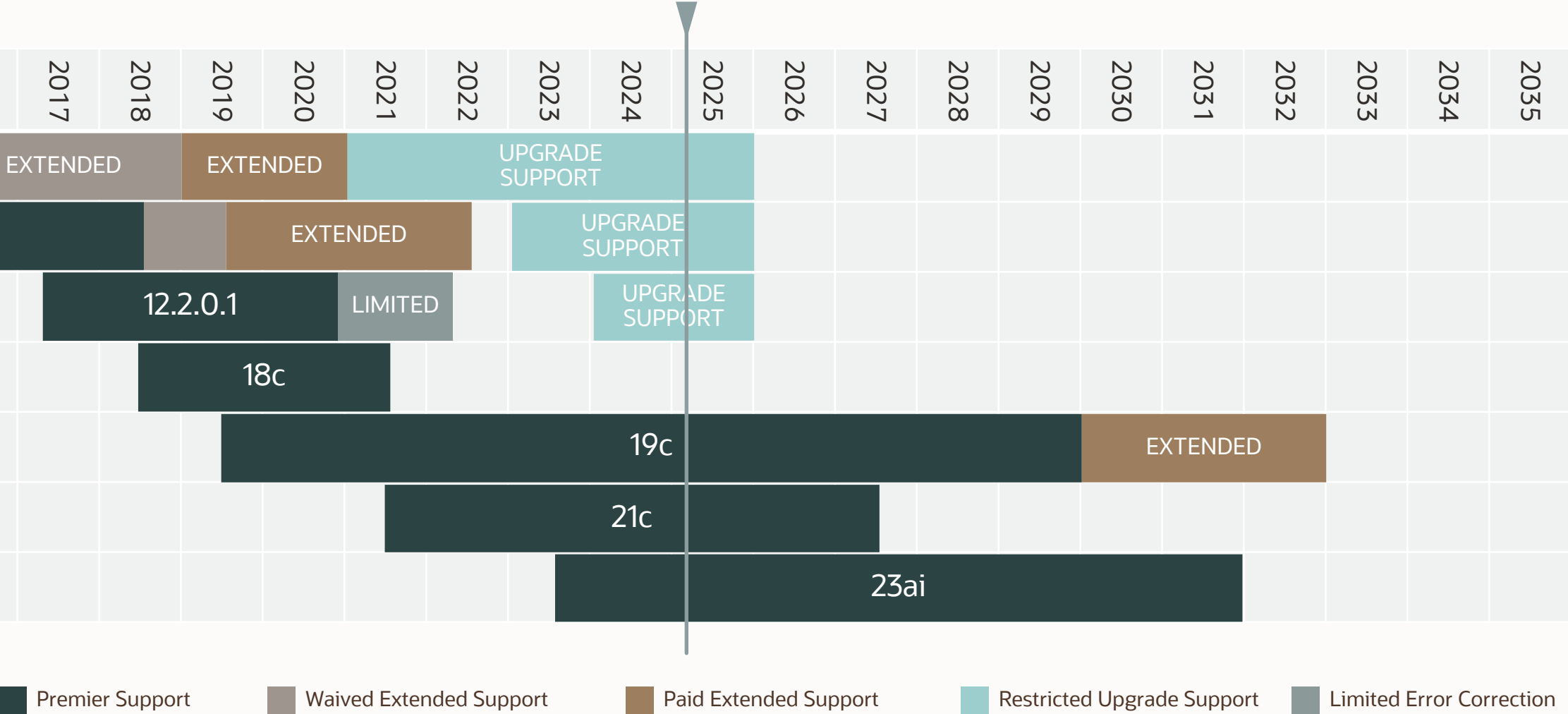
[Sign up](#)

Releases

Lifetime Support Policy



Lifetime Support Policy



Oracle Database 23ai

Production

- Oracle Database Cloud Services
- Oracle DB@Azure
- Oracle DB@Google Cloud
- Oracle DB@AWS
- Exadata Cloud@Customer
- Compute Cloud@Customer
- Exadata Database Machine
- Database Appliance (VM)

Development / Testing

- Oracle Database Free for Linux x86
- Oracle Database Free for ARM
- Oracle Database Free for Windows
- Oracle Autonomous Database
- Oracle Exadata Exascale
- Oracle Base Database
- DIY on Oracle Cloud Infrastructure
- Oracle Database 23ai beta program

Autonomous Database

—
A migration approach



The idea?

A mostly self-managed database environment, taking care on many tasks

Keynote

OOOW 2017


ORACLE®





Will the DBA's be fired?

<https://www.complexsql.com/oracle-18c-impact-on-dbas/>



"It's that sort of attitude that has turned
some DBAs into inflexible dinosaurs.
You've got to evolve or die, people!"

Tim Hall

<https://oracle-base.com/blog/2017/10/02/oracle-autonomous-database-and-the-death-of-the-dba/>

Autonomous Database – Where?

Public cloud

Autonomous Database

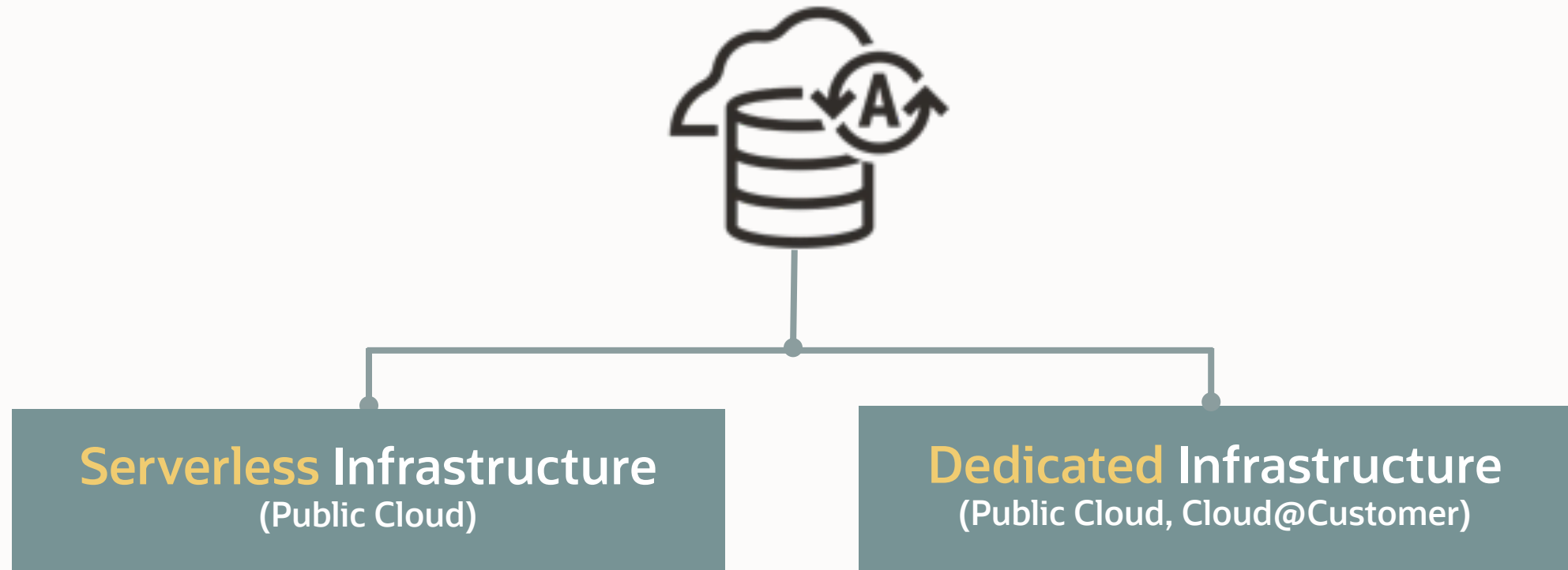


Cloud@Customer

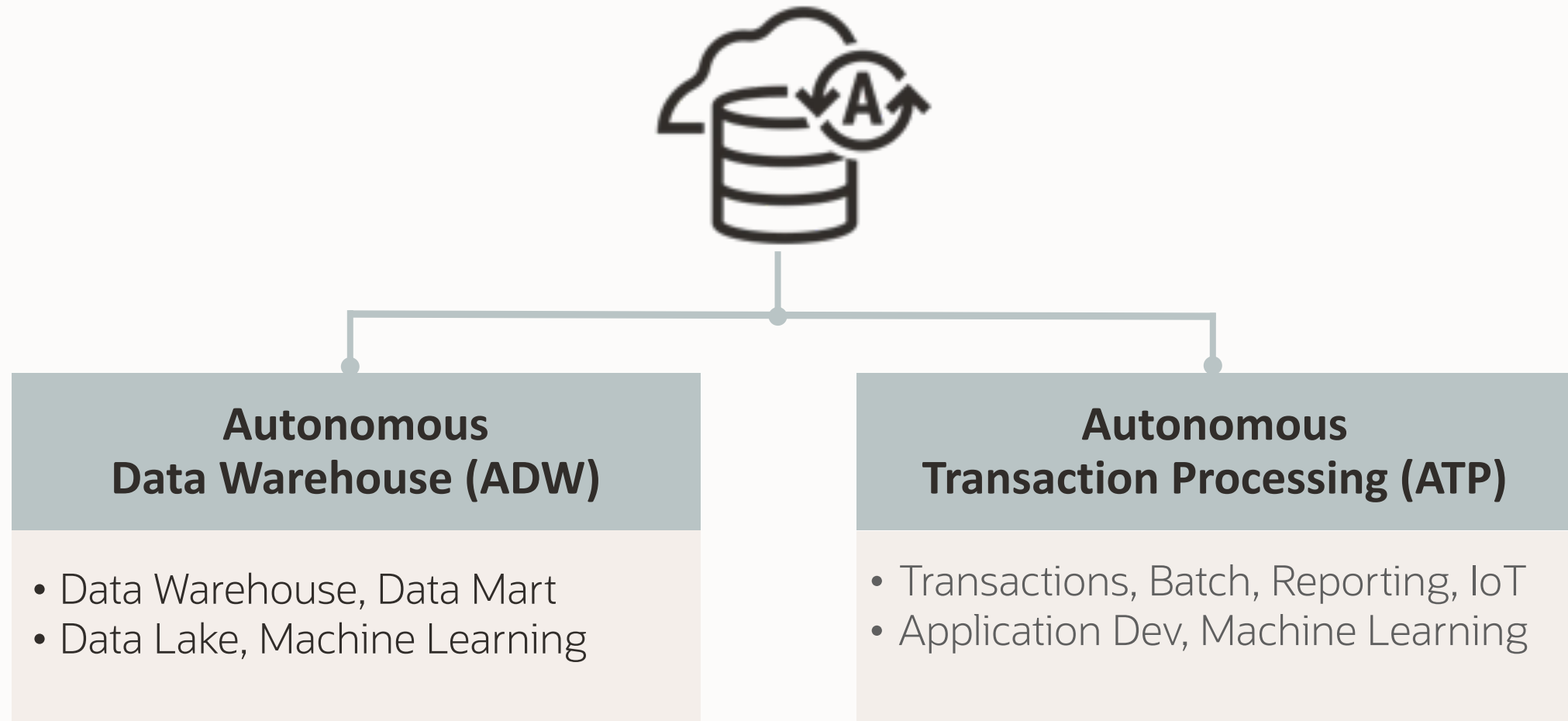
Autonomous Database in a VM environment



One Autonomous Database – Two Deployment Choices

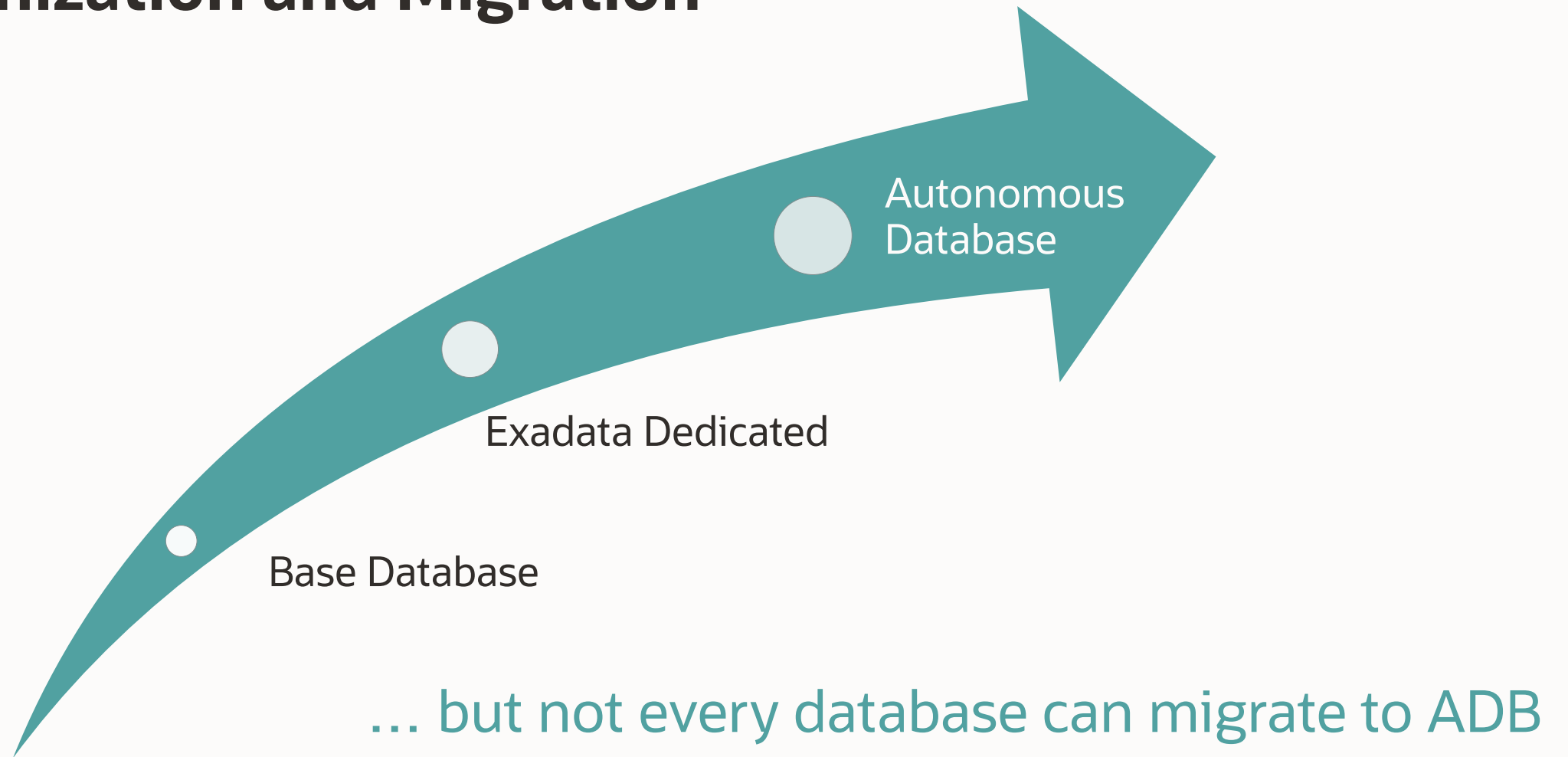


One Autonomous Database – Workload Choices



Migration Planning

Modernization and Migration



An Autonomous Database migration is a bit like making a movie

You won't start with filming right away



You need a script book
You need to cast actors
You need a film set
You need ...

Now you can start filming your scenes

And then there's still editing and cutting to be done ...



Migration to Autonomous Database is always a **logical** migration

- Move the data, not the database
- Spoiler: There may be another option soon

<https://www.oracle.com/database/upgrades/#adb-migration>

Oracle Database
AutoUpgrade utility

Cloud Migration Advisor
(CMA)

Autonomous Database
Migration

Database migration
resources

Load data into Oracle
Database

Hands-On Lab Training

Move to Autonomous Database

1. Estate Explorer

Identify and map potential targets for the migration to Oracle ADB.

> [Learn more about Estate Explorer](#)

2. Cloud Pre-Migration Advisor Tool (CPAT)

CPAT analyzes your source Oracle Database metadata for compatibility with your intended Oracle Autonomous Database target and migration method. It suggests a course of action to resolve each potential incompatibility it finds in the source.

> [Learn more about CPAT](#)

3. Cloud Migration Advisor (CMA)

CMA analyzes the CPAT report from your source database and provides detailed technical advice about likely migration targets and methods.

> [Learn more about CMA](#)

The tool gives you technical advice on the various migration options:

- Database Migration Service (DMS)
- Zero Downtime Migration (ZDM)
- Oracle Autonomous DB Migration Automation (in beta status currently, contact us).

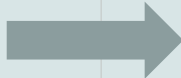
Move to Autonomous Database



Estate Explorer

Identify and map potential targets for the migration to Oracle ADB.

[Click for more information](#)

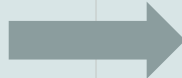


Source Database	
Action Required	4
Review Required	0
Review Suggested	2
Passed	7

CPAT

Cloud Pre-Migration Advisor Tool – download from MOS Note: [2758371.1](#)

[Click for more information](#)



CMA

Cloud Migration Advisor, GUI landscape overview.

The tool gives you technical advice on the various migration options.

[Click for more information](#)



DMS

Database Migration Service

[Click for more information](#)

ZDM

Zero Downtime Migration

[Click for more information](#)

AMA

Oracle **Autonomous** DB Migration Automation

In beta status currently.

[Contact me](#)



Oracle Estate Explorer



Analyze 1000's of databases in just a few hours



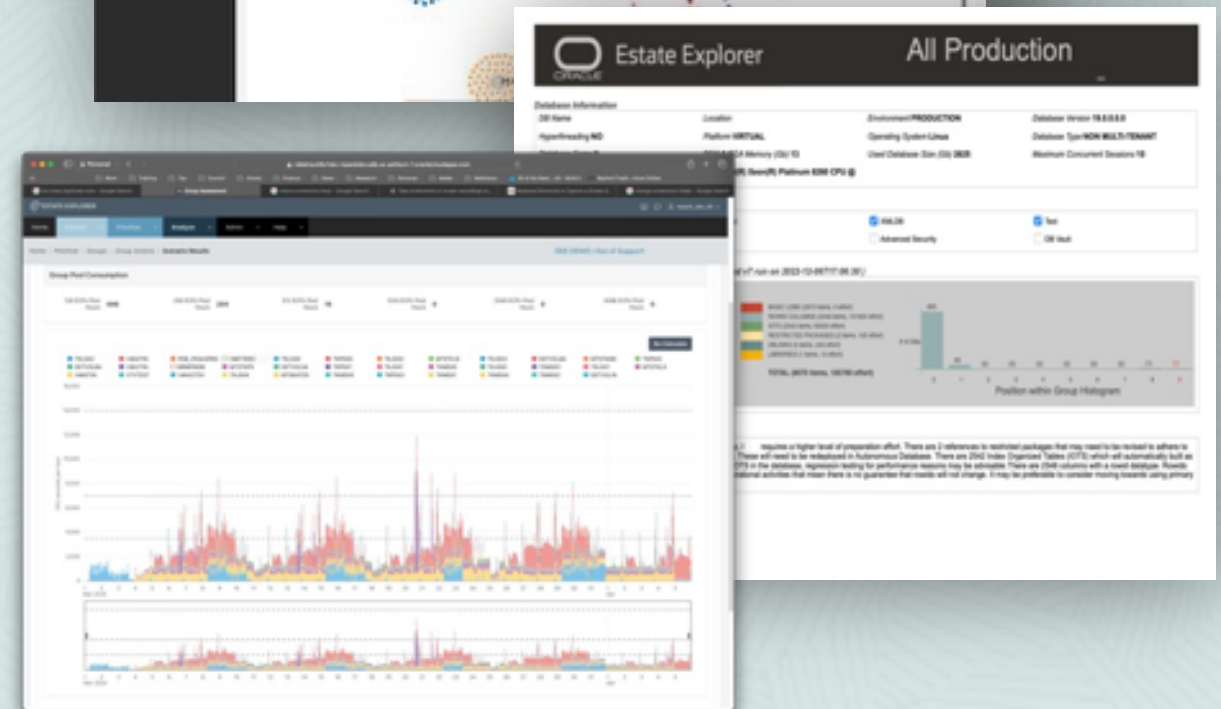
View innovative visualizations and detailed reports



Provide a detailed TCO to compare on-premises and cloud



Optimize your Autonomous Databases using Elastic Pools



<https://www.oracle.com/database/cloud-migration/estate-explorer/>



CPAT – Cloud Premigration Advisor Tool



Discovers information from non-CDB or PDB individually on a per-DB basis



Download CPAT from MOS Note: 2758371.1



Patch 32613591: Cloud Premigration Advisor Tool (CPAT) for version 11.2.0.4 and Higher

Last Updated

11-Feb-2025 17:31 (12 days ago)

Product

Oracle Database Upgrade Assistant

Release

Oracle 11.2.0.4.8

Platform

Generic Platform

Size

8.6 MB

Download Access

Software

Classification

General

Patch Tag

Release

Oracle 11.2.0.4.8

Platform


Generic Platform

Language

American English

Read Me

Download


 Add to Plan ▼

Analyze with OPatch...

All-time Downloads

50

View Trends

 Discuss this patch in the community

Bugs Resolved by This Patch

List of bugs fixed is not available. Consult the Readme.

View Related Knowledge to this Patch



CPAT Howto

Links to the Complete Blog Post Series about CPAT (alexzaballa.com)

- [Part 1](#) – Starting with CPAT
- [Part 2](#) – Options for Running CPAT
- [Part 3](#) – Running CPAT
- [Part 4](#) – Troubleshooting CPAT
- [Part 5](#) – CPAT Checks
- [Part 6](#) – CPAT New Features – December – 2024
- [FAQ](#)

HTML Report

ORACLE

Thu Jan 30 14:03:27 UTC 2025

Cloud Premigration Advisor Tool (CPAT) Report

CPAT Version: 24.11.1
Version Date: Nov 19, 2024
Days Since Last CPAT Update: 95 days

Table of Contents

- Premigration Advisor Report Summary
- Report Details
- Report Analysis Notes
- Source Database Details
- Source Database Version Information
- Source Database Patch Information
- Source Database Redo Information
- Premigration Advisor Check Details List
- Report Legend

Report Results Overview

Source Database		Target Database		Migration Method		Additional Tasks	
Action Required	4	Action Required	6	Action Required	0	Action Required	0
Review Required	1	Review Required	5	Review Required	1	Review Required	1
Review Suggested	3	Review Suggested	5	Review Suggested	0	Review Suggested	4
Passed	5	Passed	14	Passed	0	Passed	8

Return to Table of Contents



HTML Report

Report Details

CPAT Application Version:	24.11.1
Report Generated On:	Thu Jan 30 13:41:09 UTC 2025
Analysis Mode:	FULL
Target Cloud Type:	ATPS
Migration Method(s):	[DATAPUMP]
Command Line Options:	--connectstring jdbc:oracle:oci:@ --targetcloud ATPS --sysdba --pdbname GSI --outdir /home/oracle/cpat/cpat_24_11_1/GSI --logginglevel FINE --outfileprefix GSI --migrationmethod DATAPUMP --reportformat HTML, TEXT --resultlevel R0

[More Details](#)

[Return to Table of Contents](#)



HTML Report

> Report Analysis Notes

> Source Database Details

> Source Database Version Information

> Source Database Patch Information

> Source Database Redo Information

Source Database Details

Source Cloud Vendor:	Oracle Cloud Infrastructure (Database)
Source Database Host Name:	onprem
Source Oracle SID:	CDB1
Source Database Created Date:	Wed Jan 29 09:42:27 UTC 2025
Source Database DBID:	1155161187
Source Database Unique Name:	CDB1_vr2_fra
Source Instance Name:	CDB1
Source Database Name:	CDB1
Source Database Username:	SYS
Source Database Port String:	x86_64Linux 2.4.xx
Source Database Platform ID:	13
Source Database Container Name:	QSI
Source DB Block Size in KB:	8
Source DB Combined Size of DATA, TEMP, LOG, and CONTROL File Usage in GB:	212.771
Source DB Size of DATA File Usage in GB:	209.085
Source DB Size of TEMP File Usage in GB:	0.668
Source DB Size of LOG File Usage in GB:	3.0
Source DB Size of CONTROL File Usage in GB:	0.017
Source Database Applications:	EBS (Owner: APPLSYS), FINANCIALS (Owner: AR)

[Return to Table of Contents](#)



HTML Report

▼ Premigration Advisor Check Details List

Source Database

Expand AllClose All

> Action Required (4 checks)

> Review Required (1 check)

> Review Suggested (3 checks)

> Passed (5 checks)

Target Database

Expand AllClose All

> Action Required (6 checks)

> Review Required (5 checks)

> Review Suggested (5 checks)

> Passed (14 checks)

Migration Method

Expand AllClose All

> Review Required (1 check)

Additional Tasks

Expand AllClose All

> Review Required (1 check)

> Review Suggested (4 checks)

> Passed (8 checks)

[Return to Table of Contents](#)

Source Database

Expand AllClose All

> Action Required (4 checks)

> Users with Objects but No Quota

> User Defined Objects in SYS

> User Defined Objects in SYSTEM

> References to User Objects in SYS

> Review Required (1 check)

> 10G Password Version

> Review Suggested (3 checks)

> Unavailable Options for Serverless

> Streams Pool Size for Data Pump

> Enabled Scheduler Jobs

> Passed (5 checks)



HTML Report

Source Database

Expand AllClose All

▼ Action Required (4 checks)

> Users with Objects but No Quota

> User Defined Objects in SYS

> User Defined Objects in SYSTEM

> References to User Objects in SYS

▼ Review Required (1 check)

> 10G Password Version

▼ Review Suggested (3 checks)

> Unavailable Options for Serverless

> Streams Pool Size for Data Pump

> Enabled Scheduler Jobs

> Passed (5 checks)

▼ Action Required (4 checks)

▼ Users with Objects but No Quota

Description: Objects in the source database belonging to users without relevant tablespace quota (or who have not been granted UNLIMITED TABLESPACE) will not be migrated to the target environment.

Action: Assign an appropriate quota to all listed users (or grant those users UNLIMITED TABLESPACE) before initiating the migration to complete transfer of their data to the target environment. Please refer to the Report Analysis Notes for additional information related to this check.


More Details

▼ Relevant Objects (39 relevant objects)

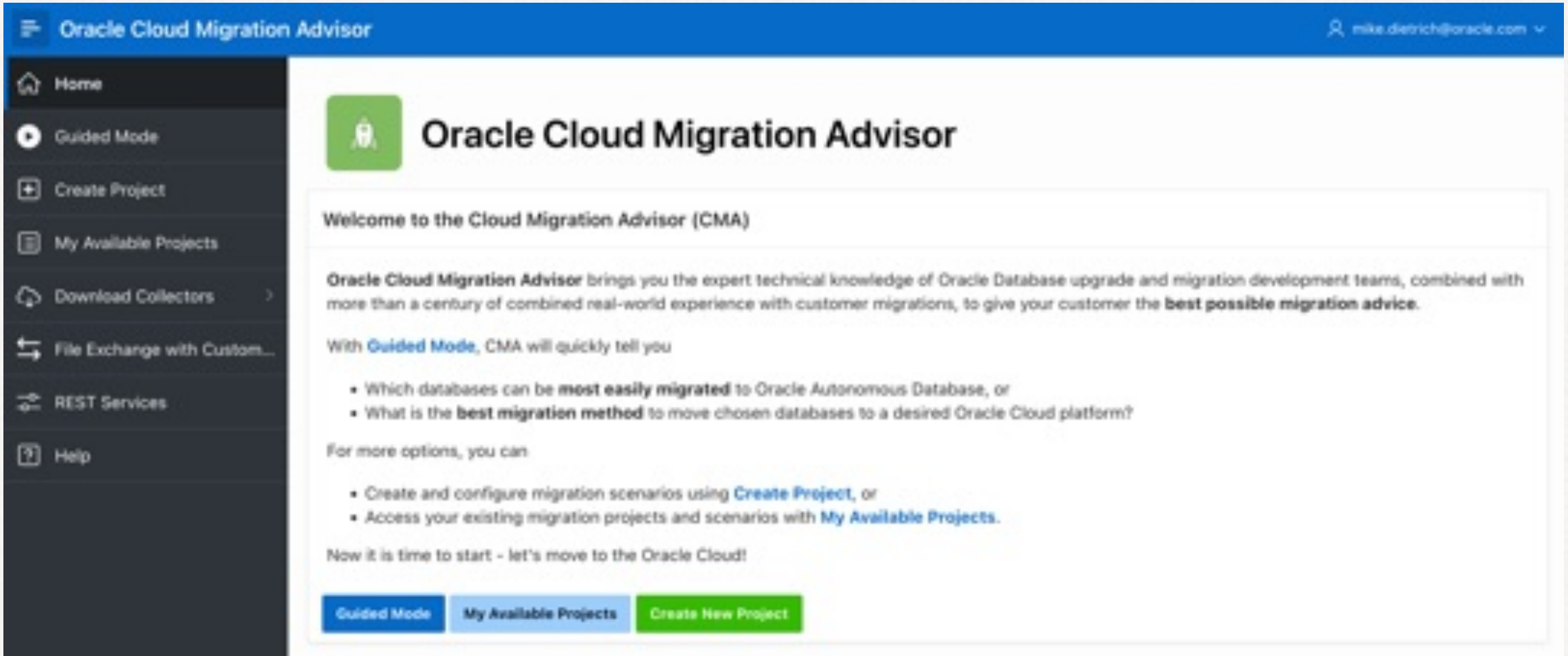
USERNAME	UNLIMITED_TABLESPACE	TABLESPACE_NAME	MAX_BYTES	ANALYZE_SEG_SIZE
AALOMARI	NO	USERS_T_S_01	524288000	YES
ABISWAL	NO	USERS_T_S_01	104857600	YES
AGILEMIG	NO	SHARED_T_M_01	5368709120	YES
AMITSING	NO	USERS_T_S_01	594804736	YES
DEVISINGH	NO	USERS_T_S_01	104857600	YES
FMSEA	NO	USERS_T_S_01	1573868000	YES

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Optional: Load data into CMA



The screenshot displays the Oracle Cloud Migration Advisor (CMA) web application. The interface features a dark blue header with the title "Oracle Cloud Migration Advisor" and a user profile icon for "mike.dietrich@oracle.com". A left-hand navigation menu includes links for Home, Guided Mode, Create Project, My Available Projects, Download Collectors, File Exchange with Custom..., REST Services, and Help. The main content area is titled "Oracle Cloud Migration Advisor" with a green rocket icon. It contains a welcome message, a description of the tool's purpose, and a list of actions users can take. At the bottom, there are three buttons: "Guided Mode", "My Available Projects", and "Create New Project".

Oracle Cloud Migration Advisor

Home

Guided Mode

Create Project

My Available Projects

Download Collectors

File Exchange with Custom...

REST Services

Help

Oracle Cloud Migration Advisor

Welcome to the Cloud Migration Advisor (CMA)

Oracle Cloud Migration Advisor brings you the expert technical knowledge of Oracle Database upgrade and migration development teams, combined with more than a century of combined real-world experience with customer migrations, to give your customer the **best possible migration advice**.

With **Guided Mode**, CMA will quickly tell you

- Which databases can be **most easily migrated** to Oracle Autonomous Database, or
- What is the **best migration method** to move chosen databases to a desired Oracle Cloud platform?

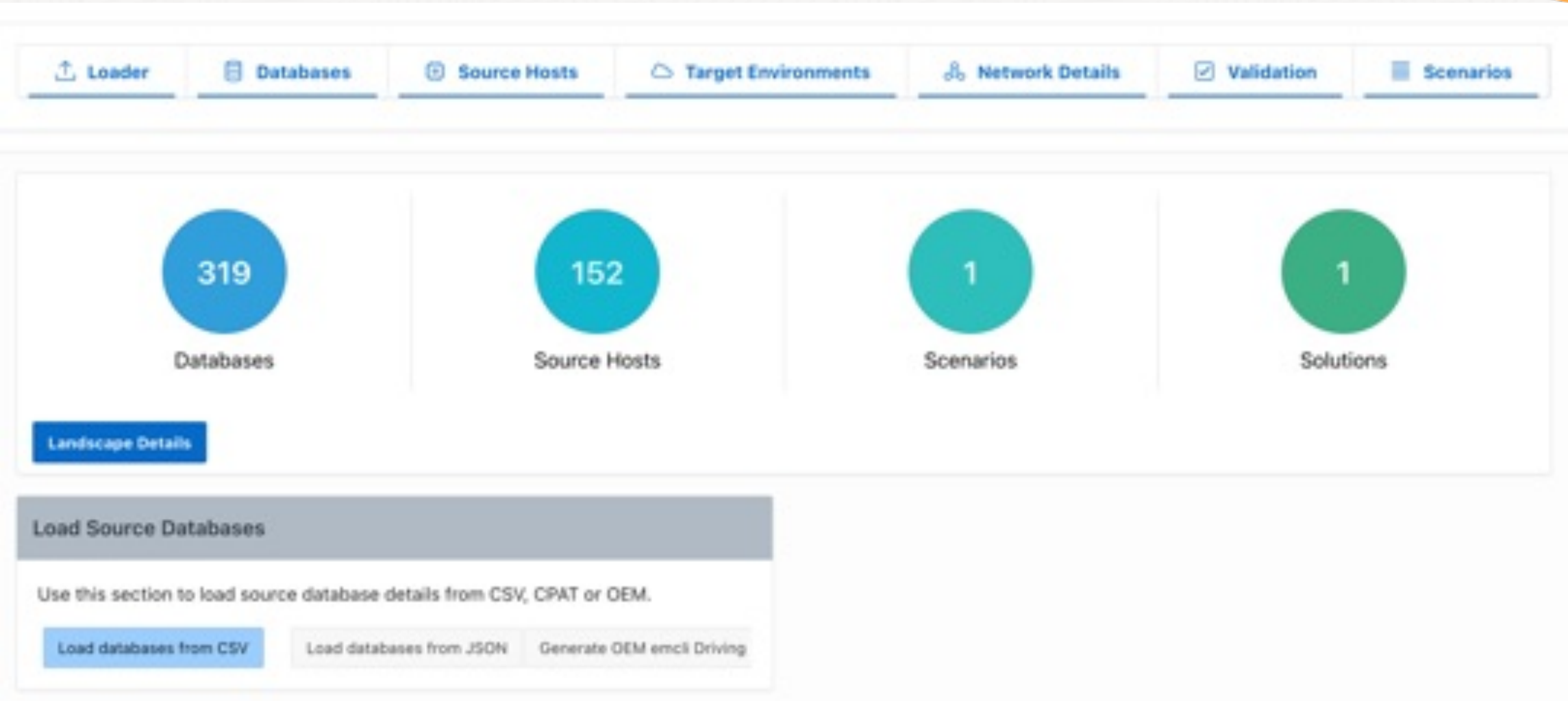
For more options, you can

- Create and configure migration scenarios using **Create Project**, or
- Access your existing migration projects and scenarios with **My Available Projects**.

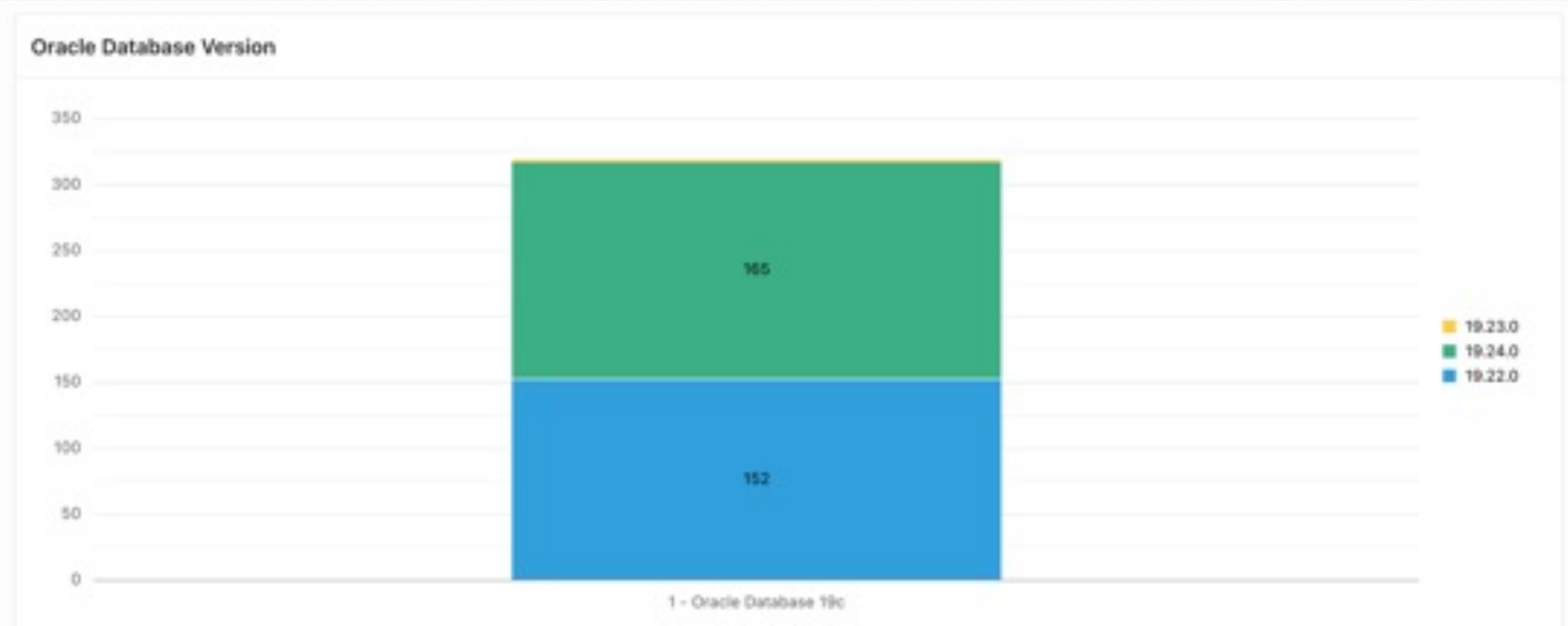
Now it is time to start - let's move to the Oracle Cloud!

[Guided Mode](#) [My Available Projects](#) [Create New Project](#)

Project Overview



Project Overview



Project Overview

Scenario Configuration

Select the "Target Types" and the "Migration Methods" you want to consider in this scenario.

Server types to advise

ADBD - Autonomous Database Dedicated
ExaDB C@C - Exadata on Cloud@Customer
ExaDB Dedicated - Exadata on Dedicated Infrastructure
ExaDB XS - Exadata on Exascale Infrastructure
Oracle Autonomous Database@GCP

>>
>
<
<<

ADBS - Autonomous Database Serverless
Oracle Autonomous Database@Azure

<<
<
>
>>

Note: If there are more than two tied solutions, the server type with the higher priority (top) on this list will be selected.

Allowed migration technologies

☒ Enterprise Manager ☒ Golden Gate ☒ OCI Services

If you don't want one of the technologies above to be considered to perform the migrations, unselect it.

Migration methods to include

Classic Export and Import utilities
Data Pump Conventional Export/Import
Data Pump Full Transportable
Data Pump Full Transportable + RMAN Convert
Data Pump Import with DBLink

>>
>
<
<<

ZDM Logical Online
ZDM Logical Offline
ZDM Physical Offline
ZDM Physical Online

<<
<
>
>>

Note: If there are more than two tied solutions, the migration method with the higher priority (top) on this list will be selected.



Project Overview

Databases

Target Environment

Migration Methods

Checks Result

Q

Search: All Text Columns

Go

Actions

Reset

Target Name	Final Score (the higher the better)	Complexity Score (higher value = easier to migrate)	Target Accepted	Auto-Patching	Auto-Security	Administrator
ADBS - Autonomous Database Serverless	9.96	9.61	Yes	★★★★★	★★★★★	★★★★★
Oracle Autonomous Database@Azure	9.95	9.61	Yes	★★★★★	★★★★★	★★★★★

1 rows selected


Total 2

Note: The **green row** is the currently defined target environment. You can change it by **selecting another method** from another target.

Migration Methods

This section shows the possible migration methods for the selected **target type** and **database**. You can change the defined migration method and target by clicking on the **"Select"** button (✓).

You can also check the instructions or simply click on the card and read more details about it on the "Decision Log".



ZDM Logical Online


Complexity: Easy | Downtime: Low

Migration Score: 9.96

The Logical Online Migration Workflow in ZDM leverages Data Pump for initial load and on Oracle GoldenGate for synchronization purposes and to preserve the online portion of the migration process. Oracle ZDM will run on a separate node and connect to both Source and Target to perform the migration.

✓ Select

Read Instructions



ZDM Logical Offline

Complexity: Easy | Downtime: Medium

Migration Score: 8.97

The Logical Offline Migration Workflow in ZDM leverages Data Pump for data transfer and target instantiation. Some Zero Downtime Migration logical migration work flows involve placing Oracle Data Pump dump files on storage media for transfer to the target database.

✓ Select

Read Instructions



CMA – How to get the tool?

Send us an email – it is an APEX app

- Vagrant build
- Zip file ready to be installed into ADB-free
- Oracle internal: cma.oraclecorp.com

Migration Execution

Logical Migrations

Move your data, not your database

How do you approach it?

- Full database export?
- Schema export?

We have tools

- ZDM – Zero Downtime Migration
- DMS – Database Migration Service
- AMA – Autonomous Migration Automation

Why no Full Database Export?

Oracle Autonomous Database is different

- Different admin user
- No DBA role
- Different key role names
- You can't put anything in SYS or SYSTEM
- XML Binary schema objects are not supported
- Libraries are not really supported
- Database Links and External Tables require extra work
- ...

Be aware that certain objects aren't part of schema exports!




AMA Flow

Plan

- Check source database
- Create logic
- Create scripts
- Quiesce jobs

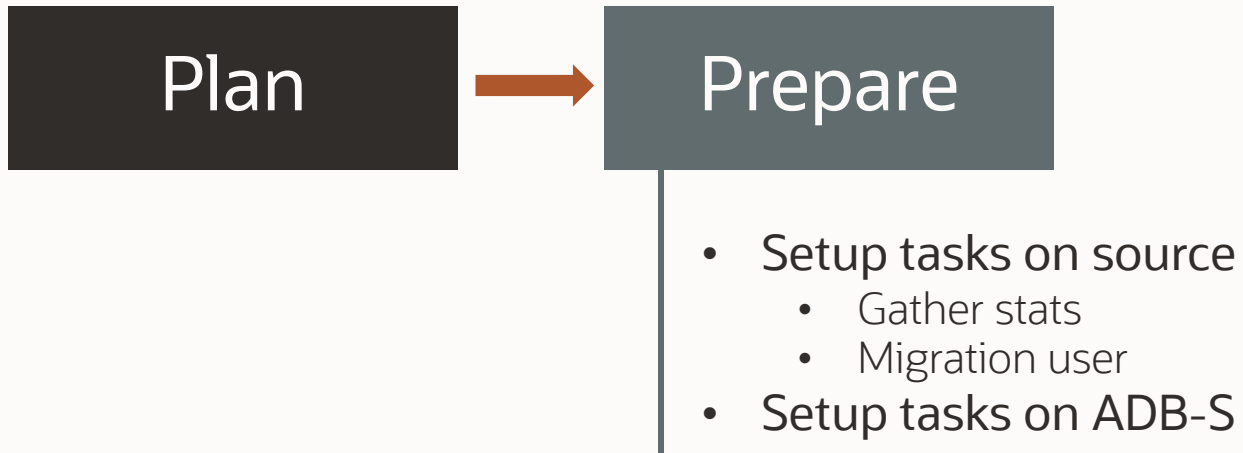
AMA – Autonomous Migration Automation

Before you start ...

<i>Before you start On-Prem</i>	<i>Before you start ADB-S Target</i>
<p>Gather sys/system stats</p> <p>create migration user</p> <p>enable restricted session</p> <p>set job_queue_processes to 0</p>	<p>Enable OLAP/Java in ADB</p>
	

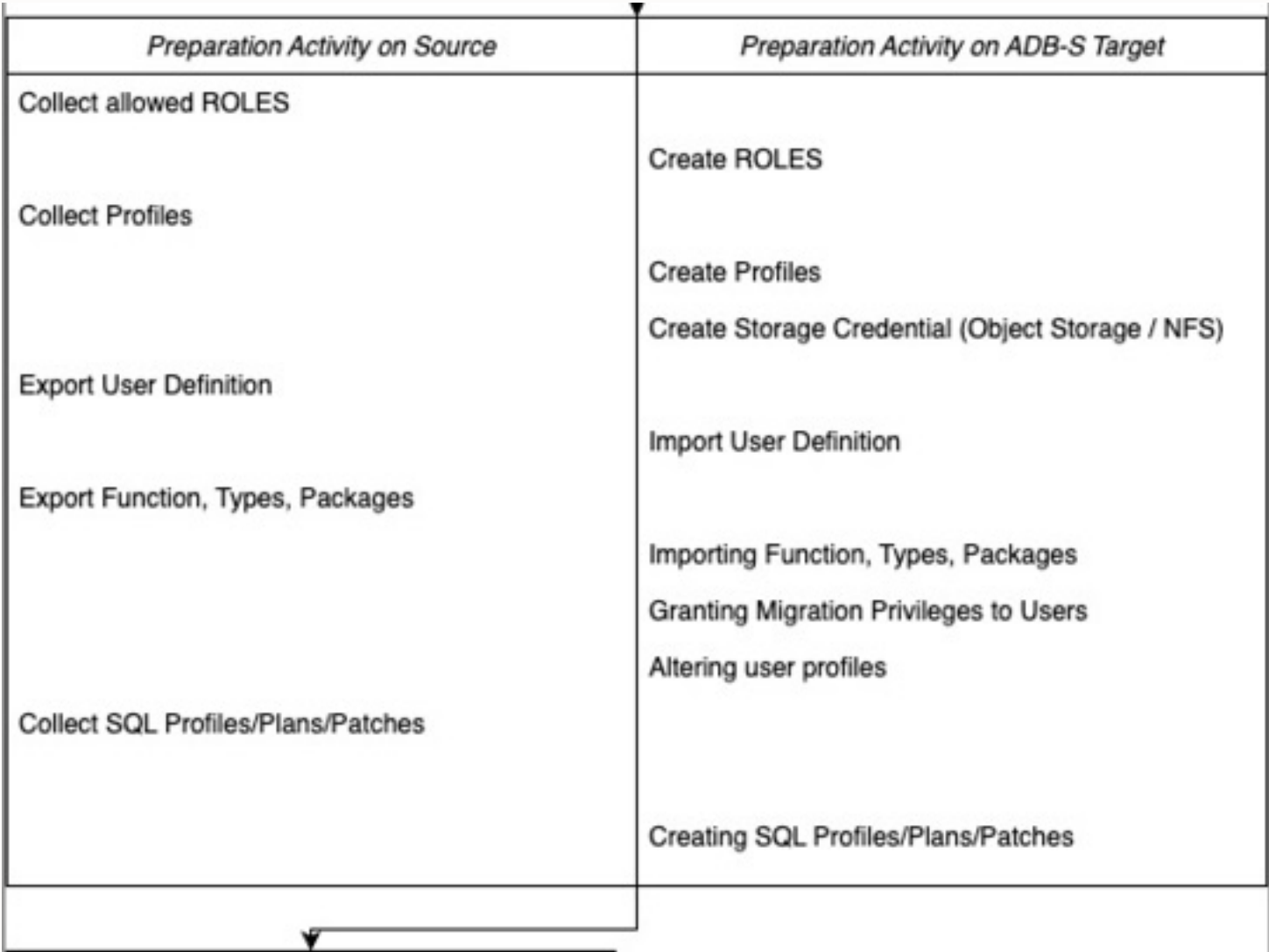


AMA Flow



AMA – Autonomous Migration Automation

Preparation:

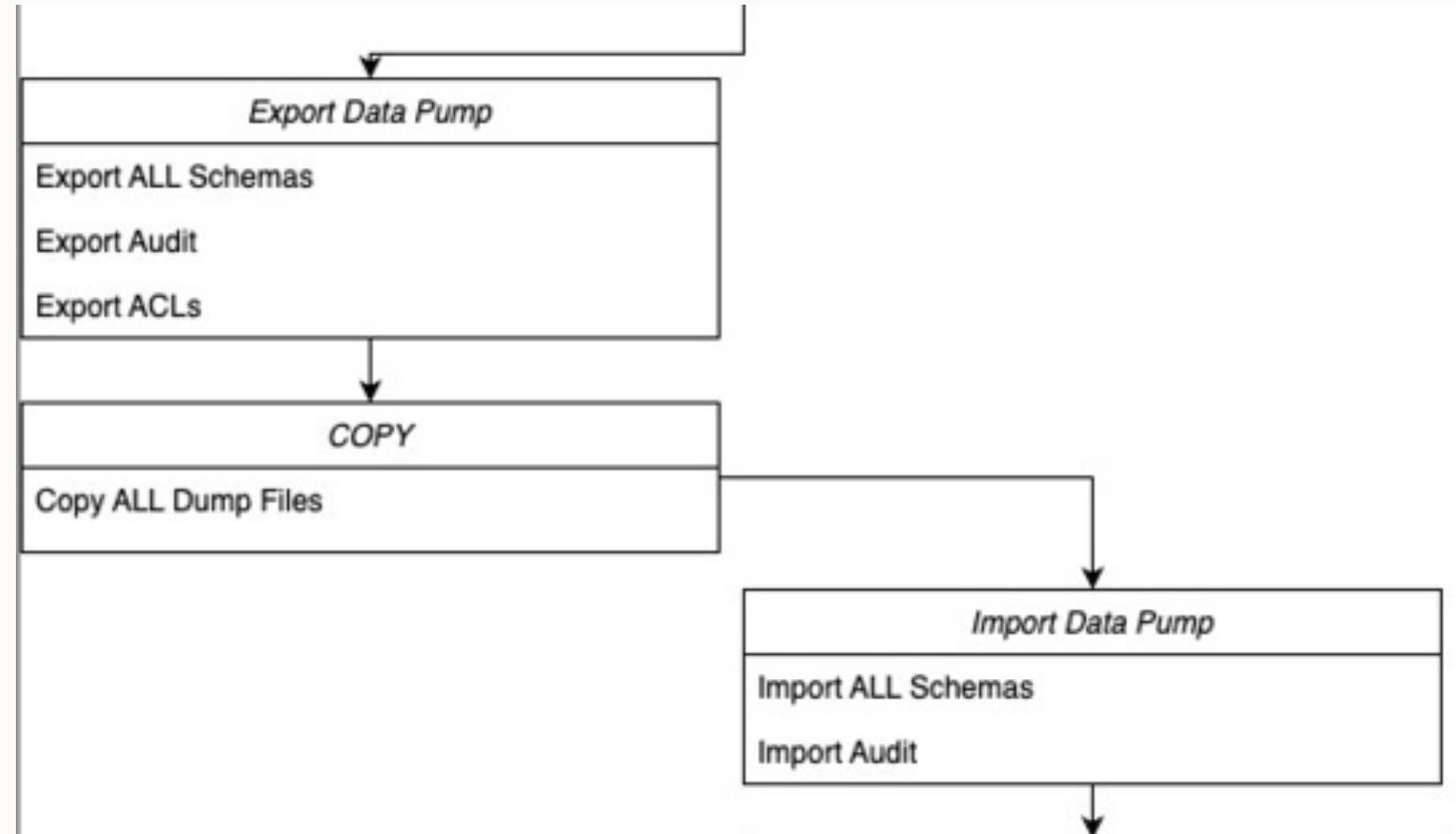


AMA Flow



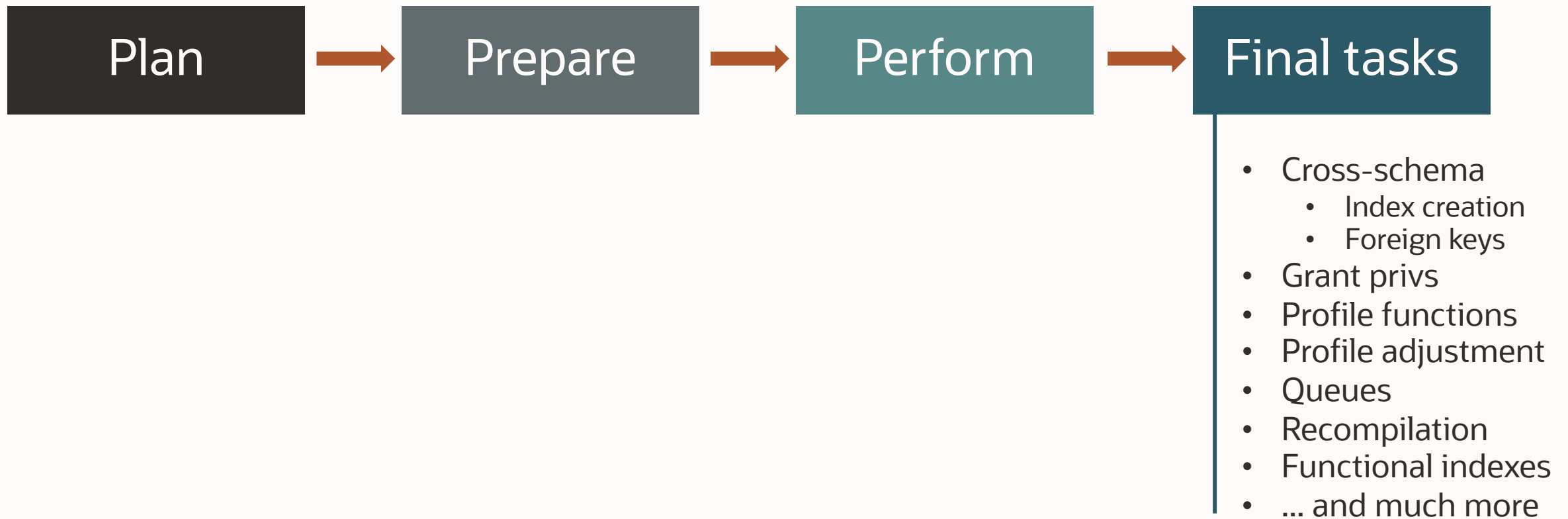
AMA – Autonomous Migration Automation

Export and import:



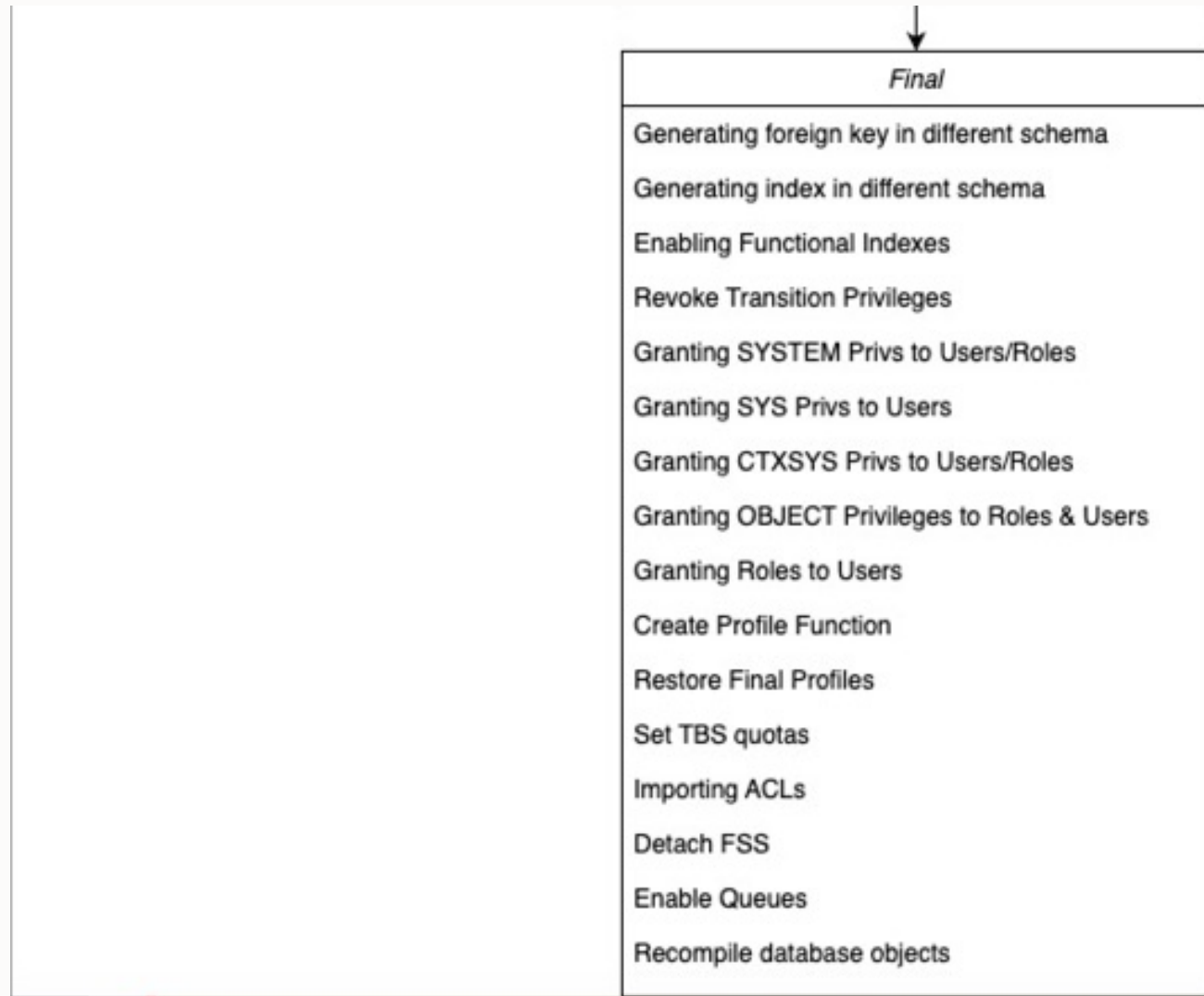


AMA Flow



AMA – Autonomous Migration Automation

Final tasks:



How does this look like?



Flow Chart Overview @Console


```
[oracle@ephx31vm1-jlosd1 OUTPUT]$ cat __US3BLDW_MIGRATION_CONTROL_FILE.ctl
```

```
---
```

```
---
```

```
--- PLAN PHASE ---
```

```
--- All steps in this phase affect the source database ---
```

```
--- * You can collect the statistics or create the migration user in advance ---
```

```
--- * Get familiar with the restricted session privilege and how to prepare it ---
```

```
--- * shortly before the migration starts make sure no unwanted user is connected ---
```

```
--- to the source database, turn on restricted session and disable the scheduler ---
```

```
---
```

```
---
```

```
##### SOURCE #####
```

```
##### TARGET #####
```

```
PLAN TARGET 00001 01 ..... 00001_US3BLDW_SQL_ENABLE_OLAP_JAVA.sh
```

```
PLAN SOURCE 00002 01 00002_US3BLDW_SQL_OPTIONAL_SOURCE_STATS.sh
```

```
PLAN SOURCE 00003 01 00003_US3BLDW_SQL_CREATE_MIG_USER_SRC.sh
```

```
PLAN SOURCE 00004 01 00004_US3BLDW_SQL_SET_JOB_QUEUE_PROCESSES.sh
```

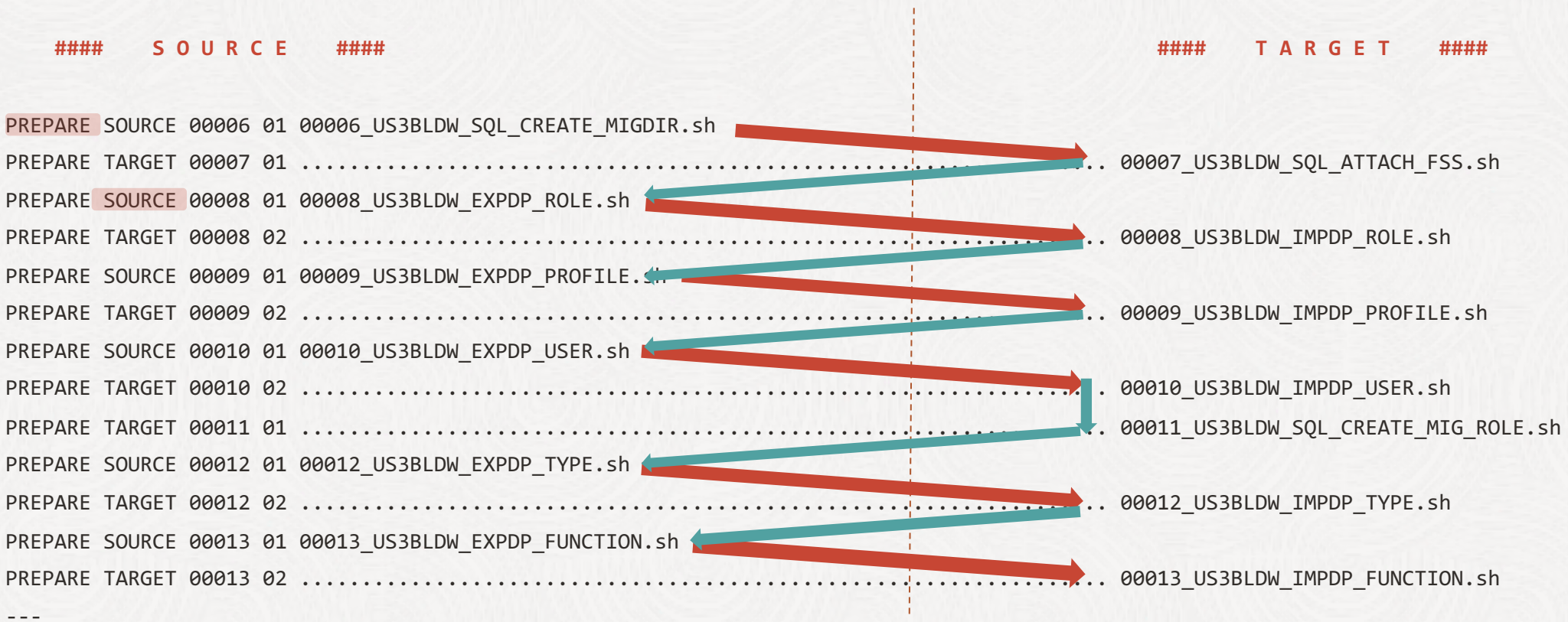
```
PLAN SOURCE 00005 01 00005_US3BLDW_SQL_ENABLE_RESTRICTED_SESSION.sh
```

```
---
```

--- PREPARATION PHASE ---

--- All steps in this phase will prepare the source and target database ---

--- The scripts depend on each other, so execute in this phase one script after the other ---



--- **PERFORM PHASE** ---

--- Commonly in this phase nothing depends on each other (except you for example have objects that depend on objects stored in other schema) ---

--- So export jobs can be started in parallel and imports once the export finished ---

####	S	O	U	R	C	E	####	####	T	A	R	G	E	T	####
PERFORM	SOURCE	00014	01	00014_US3BLDW_EXPDP_AUDIT_TRAILS.sh											
PERFORM	TARGET	00014	02	.....					00014_US3BLDW_IMPDP_AUDIT_TRAILS.sh						
PERFORM	SOURCE	00015	01	00015_US3BLDW_SQL_GEN_SQL_PROFILE_STAGE_TAB.sh											
PERFORM	SOURCE	00015	02	00015_US3BLDW_EXPDP_SQL_PROFILES.sh											
PERFORM	TARGET	00015	03	.....					00015_US3BLDW_IMPDP_SQL_PROFILES.sh						
PERFORM	TARGET	00015	04	.....					00015_US3BLDW_SQL_APPL_SQL_PROFILE_STAGE_TAB.sh						
PERFORM	SOURCE	00016	01	00016_US3BLDW_SQL_GEN_SQL_PATCHES_STAGE_TAB.sh											
PERFORM	SOURCE	00016	02	00016_US3BLDW_EXPDP_SQL_PATCHES.sh											
PERFORM	TARGET	00016	03	.....					00016_US3BLDW_IMPDP_SQL_PATCHES.sh						
PERFORM	TARGET	00016	04	.....					00016_US3BLDW_SQL_APPL_SQL_PATCHES_STAGE_TAB.sh						
PERFORM	SOURCE	00017	01	00017_US3BLDW_EXPDP_SCHEMA_FUSION.sh											
PERFORM	TARGET	00017	02	.....					00017_US3BLDW_IMPDP_SCHEMA_FUSION.sh						
PERFORM	SOURCE	00018	01	00018_US3BLDW_EXPDP_SCHEMA_FUSION_OCSERVER11G.sh											
PERFORM	TARGET	00018	02	.....					00018_US3BLDW_IMPDP_SCHEMA_FUSION_OCSERVER11G.sh						
...															



--- POST PHASE ---

```
--- Here execute again all scripts one after the other as they might have dependencies again ---
```

— — —

SOURCE

TARGET

POST	TARGET	00081	01	.....	00081_US3BLDW_SHELL_ROWCOUNT.sh
POST	TARGET	00082	01	.....	00082_US3BLDW_SQL_REMOVE_MIG_ROLE.sh
POST	TARGET	00083	01	.....	00083_US3BLDW_SQL_SYS_PRIVS.sh
POST	TARGET	00084	01	.....	00084_US3BLDW_SQL_CTXSYS_PRIVS.sh
POST	TARGET	00085	01	.....	00085_US3BLDW_SQL_DATAMINING_PRIVS.sh
POST	TARGET	00086	01	.....	00086_US3BLDW_SQL_OBJECT_PRIVS.sh
POST	TARGET	00087	01	.....	00087_US3BLDW_SQL_ROLE_PRIVS.sh
POST	TARGET	00088	01	.....	00088_US3BLDW_SQL_TBS_QUOTES.sh
POST	TARGET	00089	01	.....	00089_US3BLDW_SQL_DETACH_FSS.sh
POST	SOURCE	00090	01	00090_US3BLDW_EXPDP_NETWORK_ACL.sh	
POST	TARGET	00090	02	.....	00090_US3BLDW_IMPDP_NETWORK_ACL.sh
POST	TARGET	00091	01	.....	00091_US3BLDW_SQL_SET_AQ_STATUS.sh
POST	TARGET	00092	01	.....	00092_US3BLDW_SQL_RECOMPILE.sh

— — —

--- END OF MIGRATION ---

It can run automated ...

Work-in-progress

- Database links conversion
- External tables conversion
- XML binary conversion

Virtual Classroom Seminars

<https://go.oracle.com/LP=114938?elqCampaignId=341007>



Upcoming Live Webinars



Migration to Oracle Autonomous Database - Part 1: Planning

April 3, 2025 | 15:00 CET
Duration: 90 mins



Select

Learn more



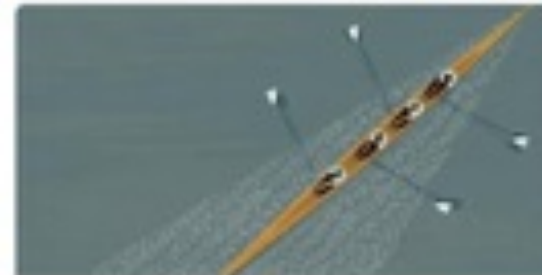
Migration to Oracle Autonomous Database - Part 2: Preparation

May 15, 2025 | 15:00 CEST
Duration: 90 mins



Select

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Migration to Oracle Autonomous Database - Part 3: Execution

June 5, 2025 | 15:00 CEST
Duration: 90 mins



Select

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Migration to Oracle Autonomous Database - Part 4: The DBA's life

July 10, 2025 | 15:00 CEST
Duration: 90 mins



Select

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Important Things To Consider

NFS vs Object Storage

We recommend to use NFS instead of object storage for the migration

- Easier to setup
- Performance seems to be better
- NFS requires "private endpoint access only"

Private endpoint access only

Restrict access to a private endpoint within an OCI VCN.

Create File System

[Help](#)

This workflow creates a new File System. To get started, choose the type of File System you want to create. Then, you can keep the provided information or click **Edit details** to change it. Click **Create** to finish.

File System for NFS

Create a File System and an associated Export in a Mount Target. You can mount and access the File System as soon as it is created. [Learn more about mounting File Systems.](#)



File System for Replication

Create an unexported File System. Unexported File Systems can be used as target File Systems for replicated data. [Learn more about replication.](#)



Pre-Defined Services to connect to ADB

Service	Parallel by Default	Resource Shares (when 100%)	Purpose
TPURGENT	Manual	12	Highest priority short-running queries
TP	N	8	short-running queries and transactions
For regular workloads, use TPURGENT, TP or LOW			
LOW	N	1	short-running queries and transactions



Tools out-of-the-box



SQL Developer Web

Web-based Function rich,
low code development env
No client software needed



Oracle REST Data Services

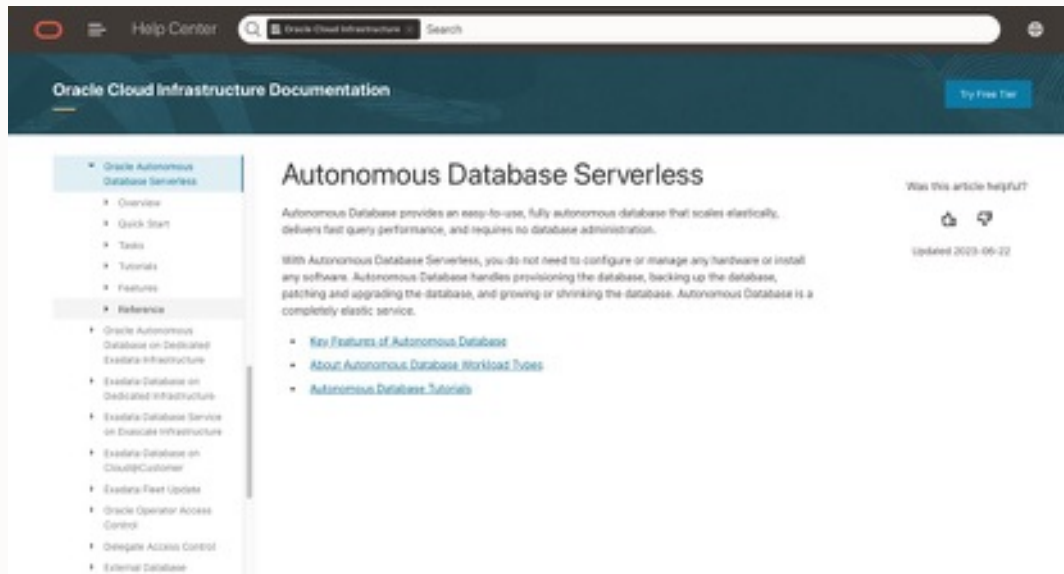
Execute SQL and PL/SQL
Build Data Models,
generate DDL statements
Monitor and manage the DB



APEX

Ability to REST enable a
schema and autogenerate
REST endpoints for tables,
views, and procedures

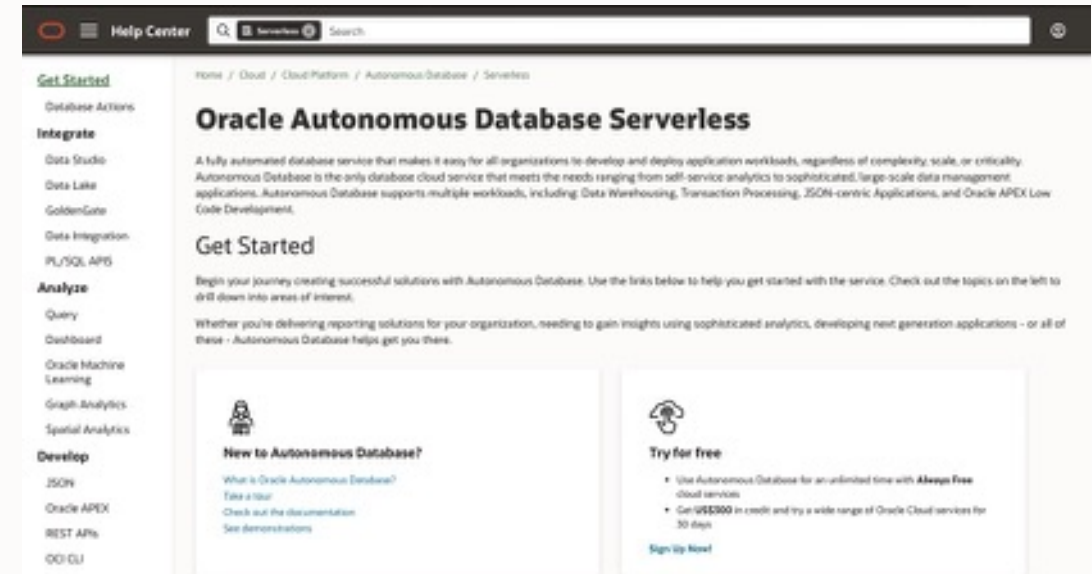
Autonomous Database Essentials



OCI Documentation for everything
“**outside**” the database

i.e. deploy, start-stop, manage through the console

<https://docs.oracle.com/en-us/iaas/autonomous-database-serverless/index.html>



Database Documentation for everything
“**inside**” the database

i.e. schema, capabilities, using the database through a connection

<https://docs.oracle.com/en/cloud/paas/autonomous-database/serverless/index.html>



Do you plan to migrate to Autonomous Database?

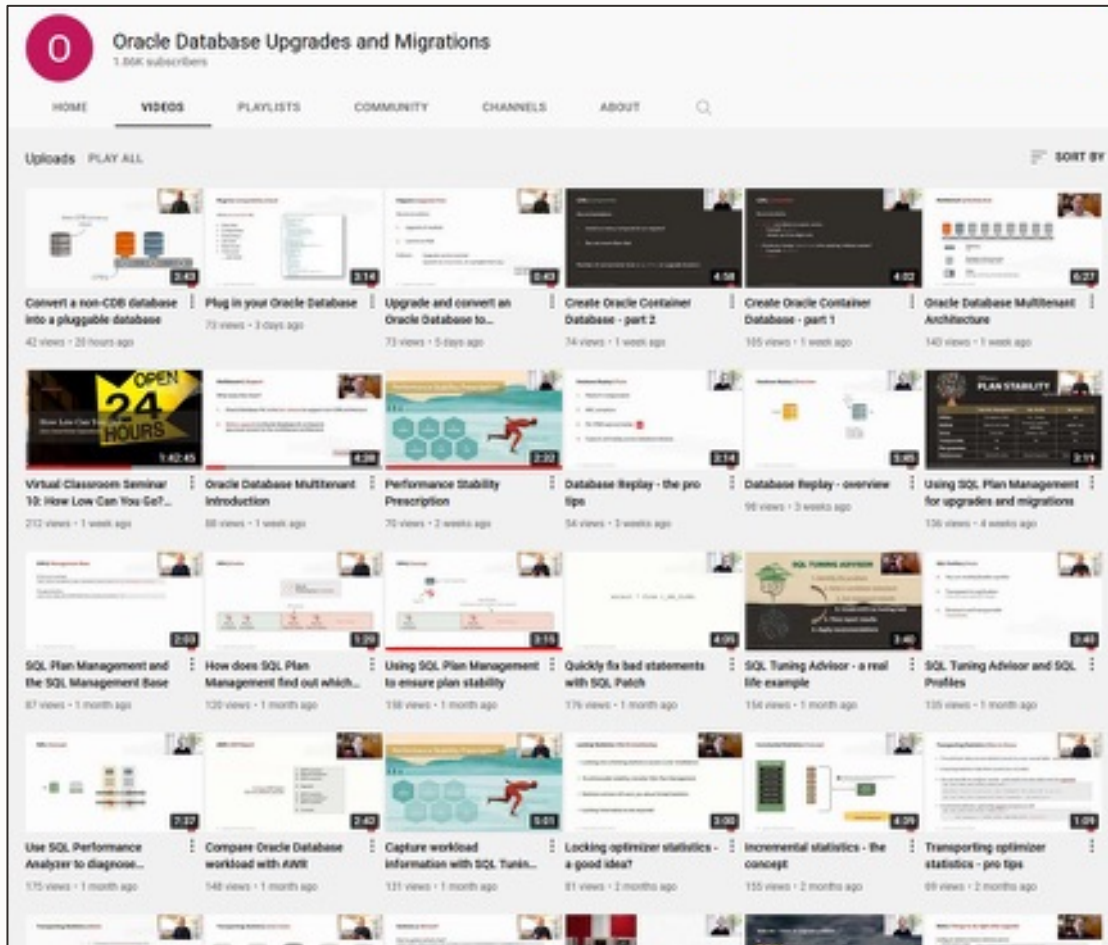
Talk to us – we will guide you!

Key Learnings



- 1 Find the right candidates for ADB
- 2 Follow our migration approach
- 3 Ask us about your ADB migration project

YouTube | Oracle Database Upgrades and Migrations



<https://www.youtube.com/@upgradenow>

- 300+ videos
- New videos every week
- No marketing
- No buzzword
- All tech



Thank You

