



ELIMINATE DATABASE
HEADACHES AND
EMBRACE INNOVATION
WITH POSTGRES

1st June 2023

AGENDA

- Why companies are looking for alternatives to legacy databases
- Best practices to avoid vendor lock-in
- How to choose the best database option for your applications



All attendees joining us live from Sweden, Denmark, Norway and Finland will be receiving their Wolt voucher shortly to their inbox

INTRODUCTIONS



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POLL:

WHERE ARE YOU RUNNING YOUR
DATABASES?

1. Postgres
2. Oracle
3. Postgres & Oracle
4. Oracle but would like to migrate to Postgres
5. Other database but would like to migrate to Postgres
6. Other



WHY LEAVE A LEGACY DATABASE

CHANGE CAN BE SCARY

WE'VE HEARD OUR CUSTOMERS AND **WE KNOW HOW TO ADDRESS CONCERNS**



**How do I determine
the saving vs. the
investment?**



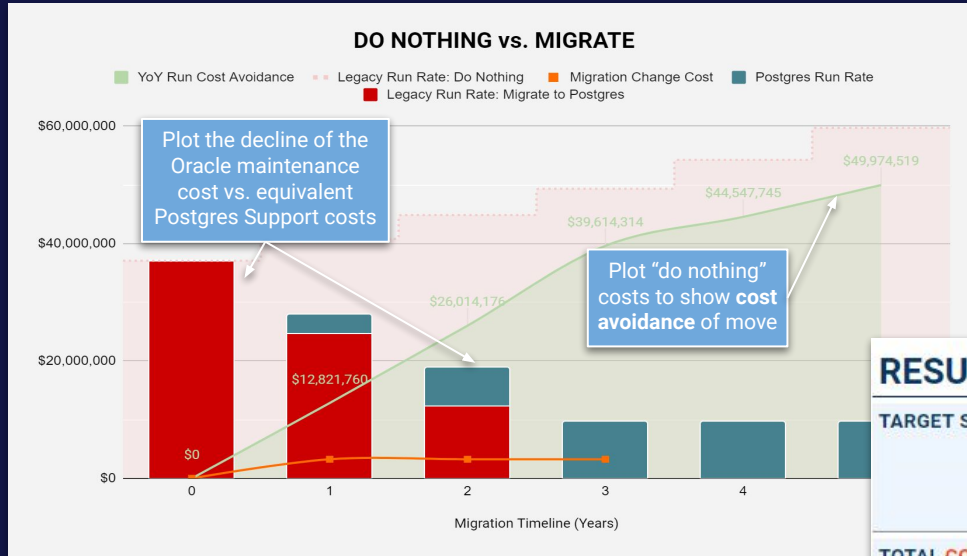
**My application teams
are already busy, how
do I get their buy-in?**



**Can I replicate
enterprise features
and functionality with
open source?**

COST / BENEFIT ANALYSIS

EXAMPLE MOVEMENT OF COSTS OVER TIME + SAVING / AVOIDANCE OPPORTUNITIES



INPUTS

- Estimated **current operating cost vs. target** with Postgres
- Estimated **change costs of migration** (people costs for both database migration and any app tier remediation required)

RESULT

RESULT		ROI
TARGET STATE	RECURRING ANNUAL OPEX REDUCED FROM TODAY BY	75%
	from	\$37,065,600
	to	\$9,090,000
	\$\$ reduction of	\$27,975,600
TOTAL COST OF CHANGE		\$9,738,698
	Number of years until ROI	3
CUMULATIVE COST AVOIDANCE OVER TERM		\$175,492,514



WHERE TO BEGIN

MIGRATION CONSULTANCY

OUR GOAL BEYOND TECHNICAL EXPERTISE

We seek to:

- Offer consultancy on **how to approach** Oracle to Postgres migrations
- Help refine the migration **business case** per customer
- **Provide artifacts** that our customers can use as appropriate with internal stakeholders **to help mobilize**

PRODUCE DOCUMENTED OUTPUT COVERING:

Problem Statement / Goals

Proposed Solution

Cost / Benefit analysis

Risks / Mitigations

Recommended Approach

MIGRATION: GETTING STARTED

TO REAP THE REWARDS, MIGRATION REQUIRES PLANNING



To make the process as **frictionless** as possible we recommend to take into account these **four aspects**

VALIDATE MIGRATION DRIVERS

Be clear on the **goals** of migration, ensure they are **realistic** and **achievable**

MOBILIZE YOUR ORGANIZATION

Define the **approach**, who needs to be involved, **build support** for the exercise, **set targets**

OPERATIONALIZE

Build / optimize your **target DB platforms**. Get the **process and tools** in place to migrate at scale

SUSTAIN

This is a marathon not a sprint. **Track** progress, **identify & address issues**, stay the course to unlock the benefits

MIGRATION: **MOBILIZING** YOUR ORGANIZATION

TECHNICAL CAPABILITIES ARE KEY BUT MAKE SURE YOU **BUILD SUPPORT**





TECHNICAL MIGRATION SUPPORT

HOW EDB SUPPORTS THE **MIGRATION PHASES**



Assessment

Analyze feasibility; plan, scope, prioritize, commit



Database Migration

Migrate schema, code, and data, and validate



Application Migration

Finish the migration: apps, reports, performance



Comprehensive Migration Capabilities

Database compatibility, deployment options, migration tools, and migration expertise

EDB'S KEY MIGRATION TOOLS



Compatibility with Oracle

Features built into EDB Postgres Advanced Server and tools

Allows many Oracle objects to run in Postgres with little or no changes

Reduces migration effort



Migration Portal

Free, web-based tool

Assesses Oracle schema compatibility

Converts Oracle objects to EDB Postgres Advanced Server



Migration Toolkit & Replication Server

EDB tools included in subscription

Migrates data from Oracle to Postgres

Migrates data changes from Oracle to Postgres

Supports fallback scenarios



Migration Services

EDB Professional Services

Experts on Oracle migrations

For organizations that are short-staffed

Helps ensure a smooth transition

EDB POSTGRES ADVANCED SERVER - EPAS

BENEFITS OF COMPATIBILITY



Your business

Lower costs and reduce risks



Your people

Leverage the existing skills of
your Oracle DBAs and
developers



Your apps

Leverage existing infrastructure
with native PL/SQL support and
OCI interoperability

EPAS DEPLOYMENT OPTIONS

MIGRATE YOUR DATABASE TO WHERE YOUR BUSINESS NEEDS IT



On-premises

Physical Servers
VMs
Kubernetes / Containers
Private Cloud



Kubernetes / Containers



Public Cloud - Self Managed



Public Cloud - Managed Service



EDB PROFESSIONAL SERVICES FOR DATABASE MIGRATIONS TO POSTGRES

**Leverage the expertise and
experience EDB Professional
services for your migration journey**

- EDB has over 15 years of experience accelerating large scale migrations
- You can leverage EDB's migration factory
- EDB collaborates with your team and teaches you to be self-sufficient

ORACLE DATABASE **MIGRATION SOLUTIONS**



SCHEMA



DATA



DB CODE



API



TOOLS

Part of the way
SCHEMA AND DATA ONLY



Most of the way
SCHEMA, DATA AND CODE



Almost there
SCHEMA, DATA, CODE AND INTERFACE



All the way
SCHEMA, DATA, CODE, INTERFACE AND OPERATIONAL TOOLS





CHOOSING
THE BEST
DATABASE FOR
YOU

Which database is right for you?

- If migrating from Oracle
 - EDB Advanced Server
- Need extra security features
 - EDB Advanced Server
- If your application can run on vanilla Postgres
 - PostgreSQL or Postgres Extended



CONCLUSION

DELIVERING BUSINESS VALUE

EDB IS THE FASTEST, EASIEST WAY TO MIGRATE FROM ORACLE TO POSTGRES

Save as much as

80%

Compared to
Oracle license
and support

Migrate in

<20

Days per
Oracle
application
database

Automate

>95%

Of Oracle
schema
migration

GUARANTEED POSTGRES MIGRATION PROGRAM

ZERO-RISK GUARANTEE TO MIGRATE FROM ORACLE TO EDB POSTGRES

- Free migration assessment
- Free migration services:
 - Migrated schema and data
 - Remediate up to 25 application queries
 - Tune up to 10 queries for same or better performance



FILL OUT OUR [WEBSITE FORM](#) OR CALL US TO SEE IF YOU QUALIFY FOR OUR ZERO-RISK MIGRATION PROGRAM

Q&A



THANK YOU FOR JOINING US!

If your question did not get answered, please submit it to:
enterprisedb.com/contact