



# Oracle to EDB Postgres Migration Made Easy

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# Speakers for today



Manoj Vakeel  
Leader, Migration Factory, EDB



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# *Agenda*

- Business Drivers & Industry Trends
- EDB's migration capabilities
- Migration demo
- Customer Success Story
- Q&A

# A NEW WORLD HAS EMERGED

Companies must shift to new **digital** operating models to compete and **stay relevant**

- Data is the currency
- Data ownership is an economic advantage
- Databases are a strategic asset



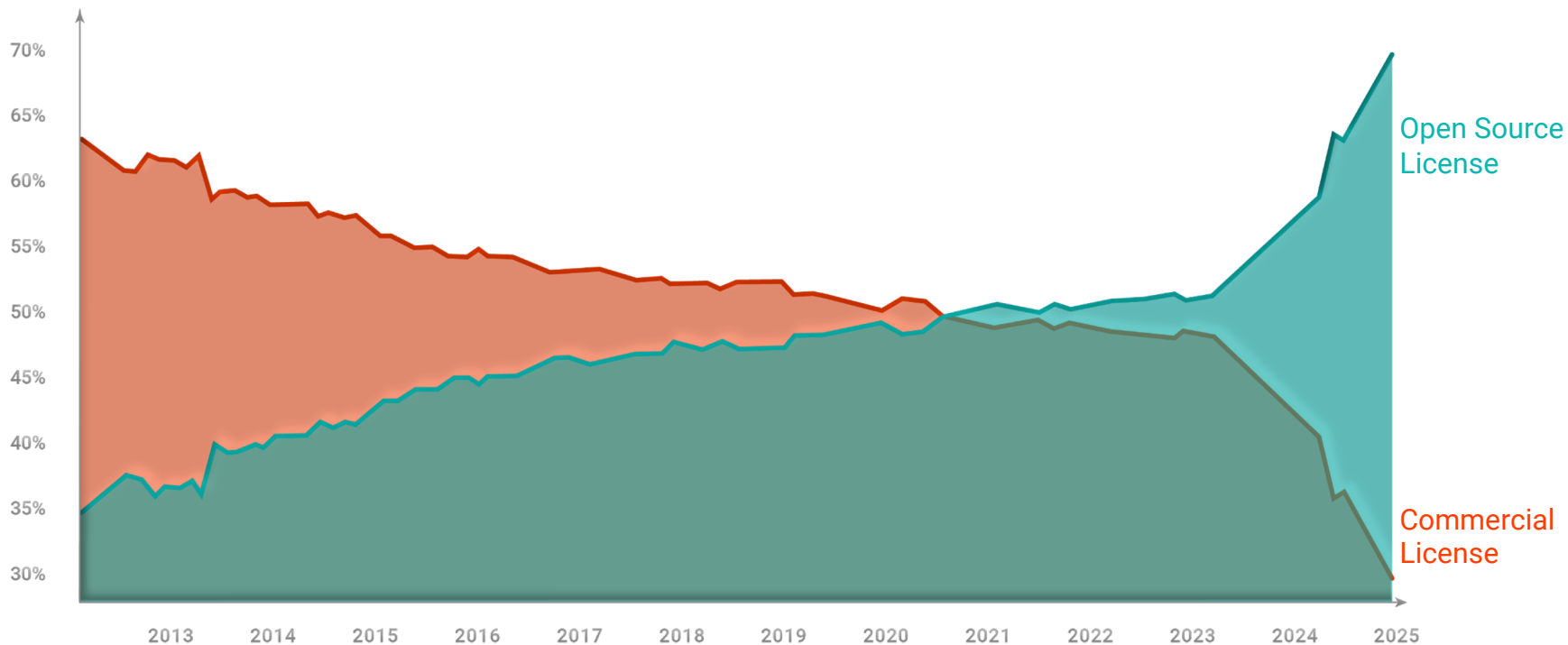
# THE OLD WORLD IS DISAPPEARING

Legacy databases are being **replaced** by open source  
And the **nucleus** is Postgres



# A TIPPING POINT

## Open source database licenses now outpace legacy



source: db-engines, IDC

POSTGRES IS THE  
DRIVER OF THIS  
TIPPING POINT

## The Standard

Postgres is the  
database of choice



source: stackoverflow data 2022

- #1 Fastest growing database platform
- #1 Most loved database by developers
- #1 Largest developer community





# Plans for every step of your journey

From dev/test to tier-1

	 Community 360	 Standard	 Enterprise
	For organization who need PostgreSQL expertise and support	For businesses that have an open source strategy and need 24/7 support and additional tooling	For applications that require Oracle compatibility, enhanced security, and/or other enterprise features
<b>EDB Postgres Advanced</b> Enterprise-ready, Oracle-compatible PostgreSQL database			✓
<b>PostgreSQL</b> Open source database supported by EDB		✓	✓
<b>EDB Tools</b> Management, Backup, Failover, Migration, and Replication		✓	✓
<b>Open source Tools</b>	✓	✓	✓
<b>Technical Support</b> 24x7 expert technical support	✓	✓	✓
<b>BDR</b> The most advanced replication solution available for PostgreSQL		Optional	Optional

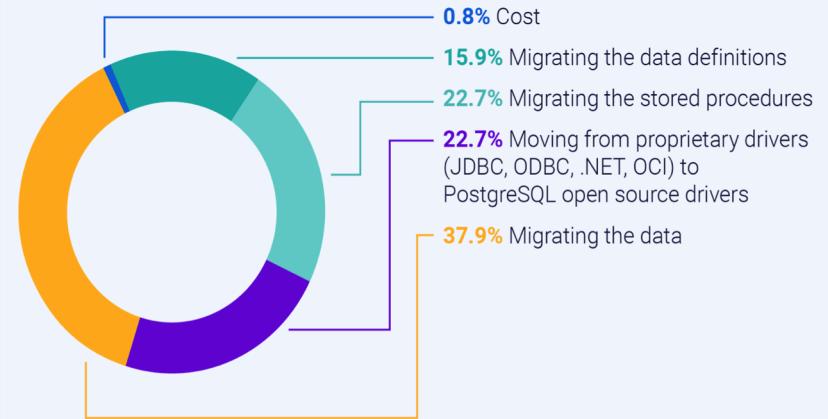




# EDB Postgres Migration Overview

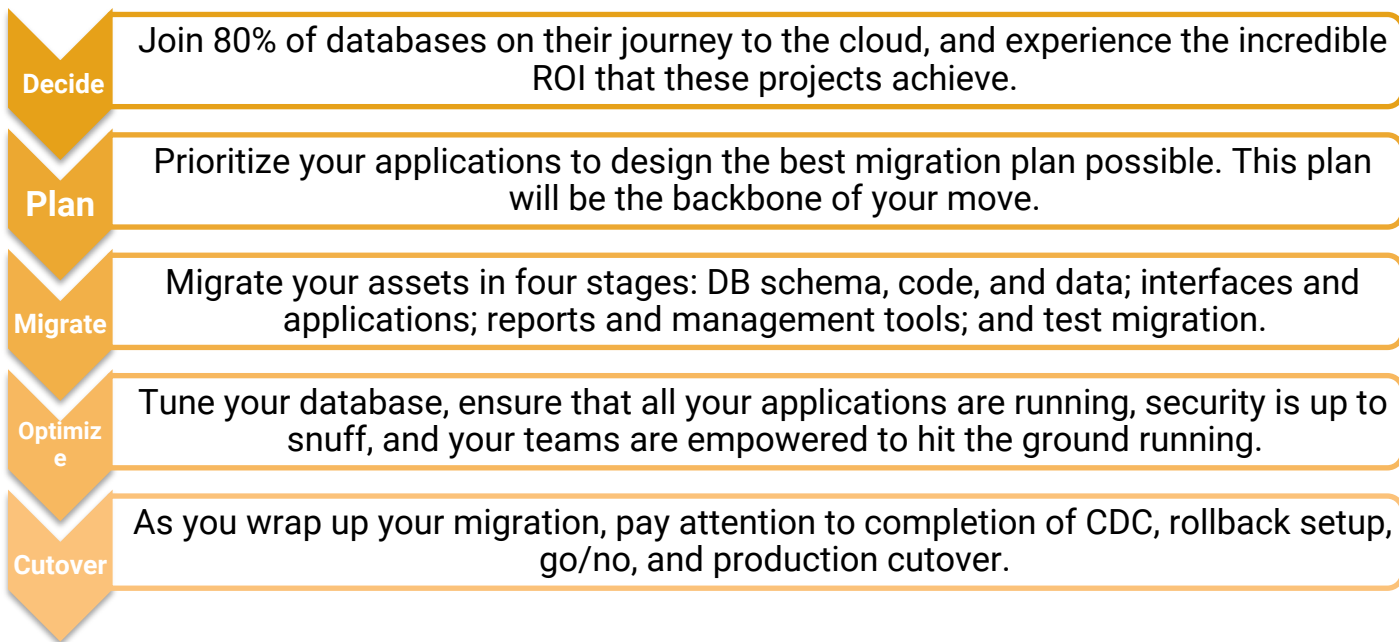
**SURVEY:** *What is your biggest obstacle when migrating Oracle databases to Postgres?*

## EDB's cost, migration capabilities, and Oracle compatibility address all of these obstacles



Source: EDB Downloader Survey July 2020 (1,500 respondents)

# 5 Steps to Simplify and Accelerate Your Migration to Postgres



# FACTORS TO CONSIDER FOR MIGRATION



## Schemas

- Objects and code
- Mapping data types
- Handling syntax differences
- Raising incompatibilities



## Data

- Methodology: Bulk, ongoing, fallback
- Tools: ETL, validation



## Infrastructure

- Hosting (cloud, on-prem, DBaaS)
- Deployment (VM, k8s)
- DBMS Optimization
- HA Requirements
- Security and Encryption



## Application

- Code
- Languages
- Connectors
- Syntax
- Performance
- Optimization
- Indexing

# What Does EDB Bring to the table?



SCHEMA



DATA



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



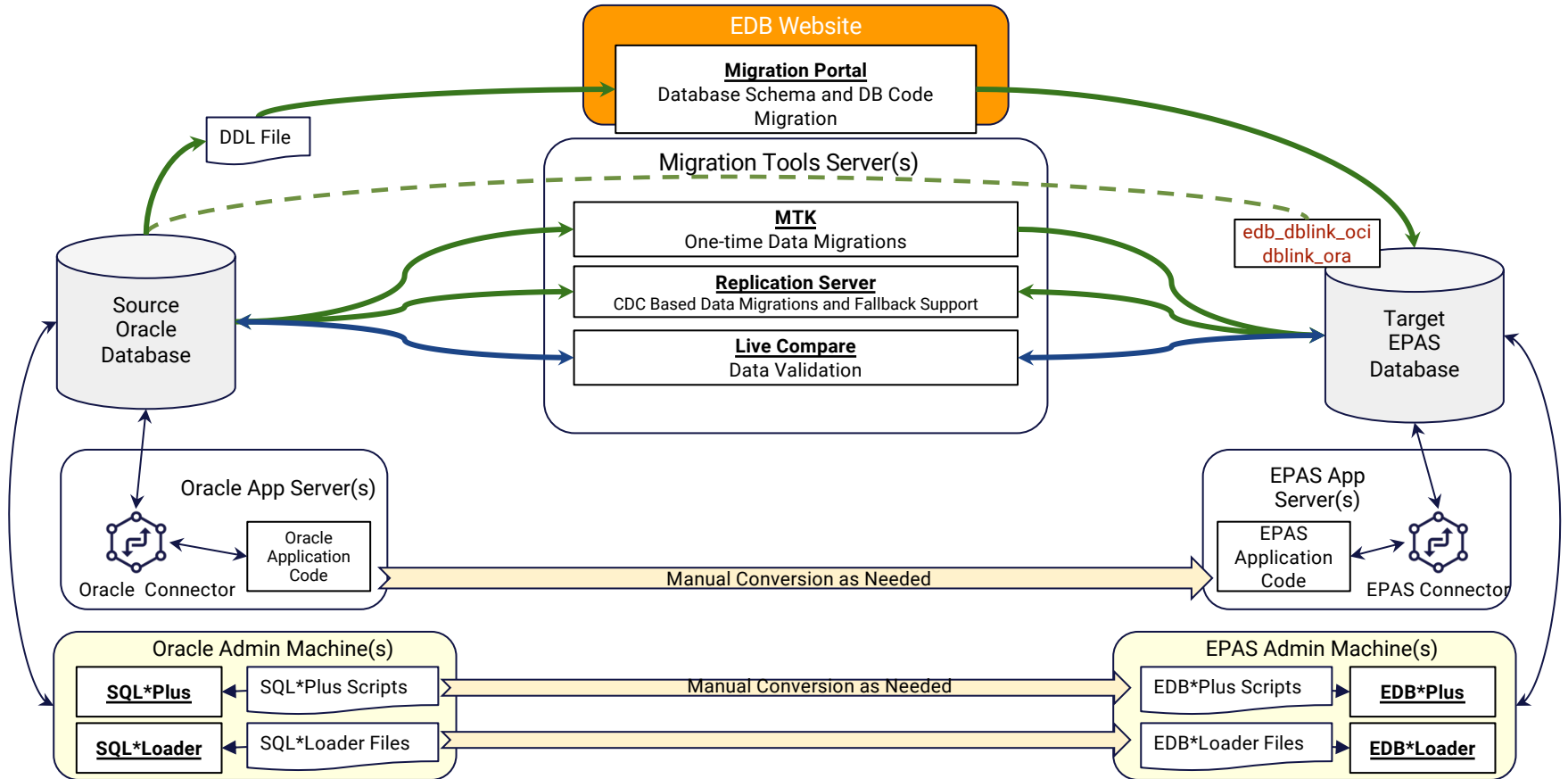
All the way  
SCHEMA, DATA, CODE, INTERFACE AND OPERATIONAL TOOLS





# Migration Demonstration

# Oracle to EDB Postgres Migration Architecture



# ORACLE TO EDB POSTGRES MIGRATION DEMO

## What's covered in the demo?

- **Schema Conversion** - Using the Migration Portal to assess Oracle schema DDL, to resolve compatibility issues, and to load the converted schema into an EDB Postgres Advanced Server (EPAS) database
- **Data Migration** – Offline using the Migration Toolkit or Realtime using EnterpriseDB replication server to migrate data from Oracle to EPAS
- **Data Validation** - Using LiveCompare to validate that the data was fully migrated and consistent in both the source and target databases



# We're a trusted partner

## Q & A

**Manoj Vakeel**

Leader, Migration Factory, EDB

**Rajendra Somthankar**

Principal Consultant, EDB

### ↗ Increase Speed to Market

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- Time to value
- Faster decisions
- Better products, faster
- Meet business needs

### ↘ Decrease Database Risk

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- Performance and scalability
- Security and confidence
- 24x7 support
- Enterprise tooling

THANK YOU