Moving away from Legacy Databases

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Agenda

Break Free from Legacy Databases

1. Why Postgres
2. Why EDB
3. Obstacles in Migration
4. Leave Oracle for Postgres
5. The Oracle migration process
6. Business Value Highlights

Why PostgreSQL?

Why did PostgreSQL win?

It does everything…

- Migration
- New App Development
- Replatforming to Cloud and Containers
- System of Record
- System of Analysis
- System of Engagement

It works everywhere…

- Public Cloud - IaaS
- Public Cloud - DBaaS
- Private Cloud
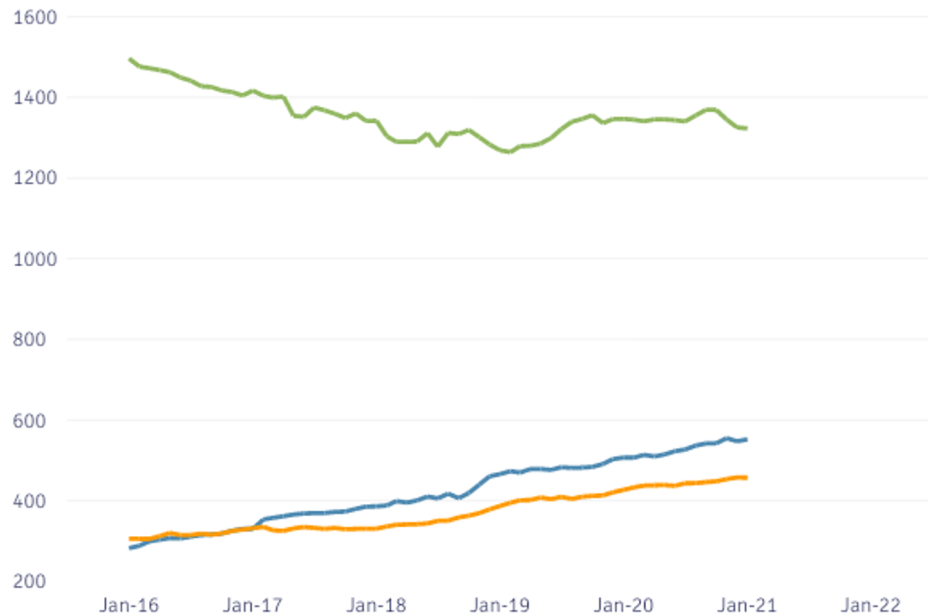- Virtual Machines
- Containers

and doesn't lock you in

PostgreSQL is winning

Oracle popularity
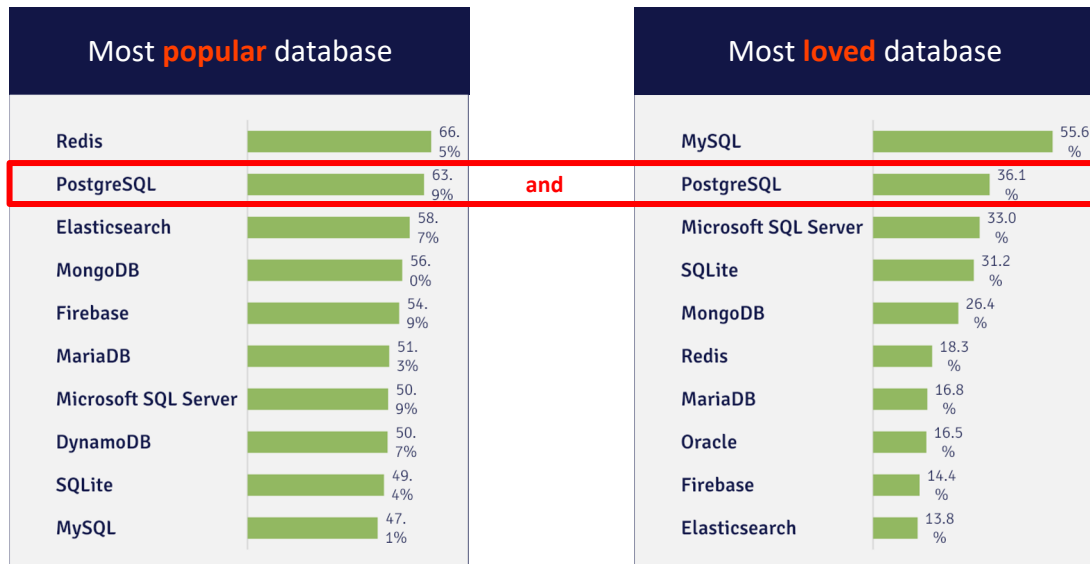
PostgreSQL popularity

MongoDB popularity

Source: DB-Engines.com, 2021

Year after year

PostgreSQL won

Most **popular** database

Redis	66.5%
PostgreSQL	63.9%
Elasticsearch	58.7%
MongoDB	56.0%
Firebase	54.9%
MariaDB	51.3%
Microsoft SQL Server	50.9%
DynamoDB	50.7%
SQLite	49.4%
MySQL	47.1%

and

Most **loved** database

MySQL	55.6%
PostgreSQL	36.1%
Microsoft SQL Server	33.0%
SQLite	31.2%
MongoDB	26.4%
Redis	18.3%
MariaDB	16.8%
Oracle	16.5%
Firebase	14.4%
Elasticsearch	13.8%

Source: Stack Overflow Developer Survey, 2020

It's the only database that people use and love...

Why
EDB?

The Largest PostgreSQL Company

5,300+
lifetime customers
leverage including

Over 300
dedicated PostgreSQL
technologists

91%
customer
satisfaction rating

28%
of Fortune 500 companies
are customers

40%
of customers
deploying in cloud

2
Founders of Postgres
Community

We have the most PostgreSQL experts

EDB TEAM INCLUDES:

- 300+ PostgreSQL technologists
- 26 PostgreSQL community contributors and committers
- Including founders and leaders like

Michael Stonebraker

"Father of Postgres" and EDB Advisor

Bruce Momjian

Co-founder, PostgreSQL Development Corp and PostgreSQL Core Team

Peter Eisentraut

PostgreSQL Core Team member

Robert Haas

PostgreSQL Major Contributor and Committer

Simon Riggs

PostgreSQL Major Contributor, Founder of 2ndQuadrant

More than 15 years of experience

Knowledge and expertise to help reduce costs and mitigate risks

Deep compatibility with Oracle database

Comprehensive migration tools and services

24x7 support for any PostgreSQL deployment at any scale

EDB delivers the Postgres you need

Open, flexible, and enterprise-grade

Databases

PostgreSQL and extensions for enterprise workloads

Tools

Monitoring, management, scalability, high availability

Deployments

On-prem to the cloud, virtual machines to Kubernetes

Expertise

24/7 technical support, remote DBAs, professional services

What obstacles exist?

Migrations are hard
- Much assessment and effort required
- Across schema, data, and application

Oracle skills
- Businesses have invested Oracle training
- Concern of losing those skills/expertise

Troublesome contracts
- Oracle licenses are complicated
- And audits are disruptive

Apps designed for Oracle
- Oracle-specifics ingrained in the app
- Difficult to migrate one without the other

Leave Oracle for
Postgres

You're not alone

Here are the top 5 reasons enterprises leave Oracle for PostgreSQL.

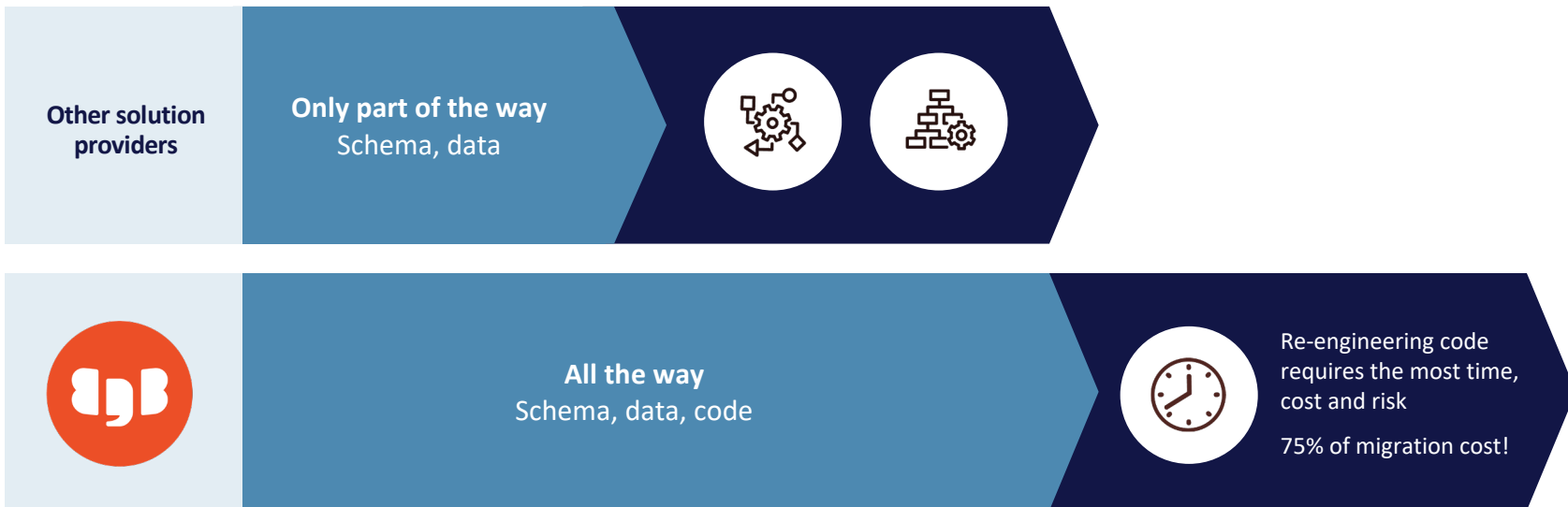|				
PostgreSQL offers significant cost savings	You can avoid vendor lock-in	Easier to replatform to cloud/hybrid	Innovation action is in Open Source	Smoother path to Digital Transformation

EDB compatibility

Other solution providers	**Only part of the way** Schema, data	

All the way
Schema, data, code

Re-engineering code requires the most time, cost and risk

75% of migration cost!

Comprehensive migration tools and services

Migration tools and services

Migration Portal

- Free, web-based tool
- Assess Oracle schema compatibility
- Converts Oracle objects to EDB Postgres Advanced Server

Migration Toolkit

- Command line tool
- Granular control schema and data migration
- From Oracle to EDB Postgres Advanced Server

Migration Services

- For complex migrations
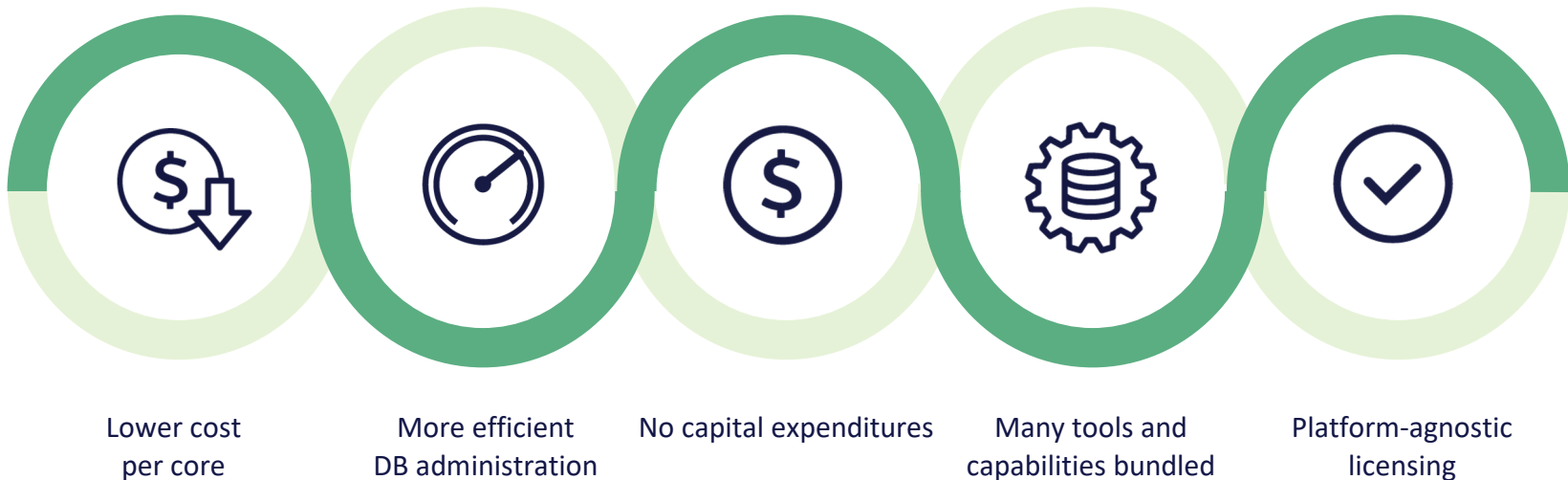- Or business that are short-staffed
- Helps ensure a smooth transition

The result?
Reduce costs using advance open source strategies

Break free and reduce costs

IDC research shows that, on average, EDB customers can save up to 42% over three years in operating costs when compared to other database technologies.
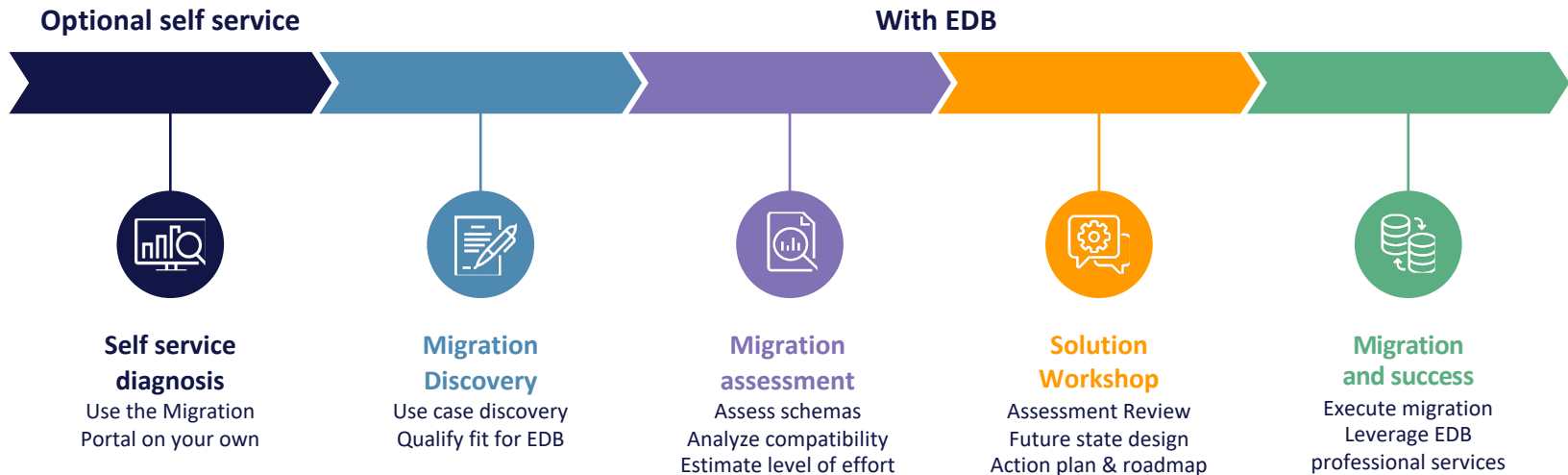
Lower cost
per core

More efficient
DB administration

No capital expenditures

Many tools and
capabilities bundled

Platform-agnostic
licensing

Our process

A proven process for 300+ migrations

Optional self service

With EDB

Self service diagnosis
Use the Migration Portal on your own

Migration Discovery
Use case discovery
Qualify fit for EDB

Migration assessment
Assess schemas
Analyze compatibility
Estimate level of effort

Solution Workshop
Assessment Review
Future state design
Action plan & roadmap

Migration and success
Execute migration
Leverage EDB professional services

Business value highlights

Payback period: 4 month

Using EDB Postgres Advanced Server saves money

42%
Lower three-year
cost of operation

65%
Lower three-year cost of
licencing / maintenance

16%
More efficient database
administration

168%
Lower- three year ROI

Thank you!

edbpostgres.com