EDB
Postgres for the AI Generation

Love at First Query:
Moving on from Oracle to EDB

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Today's Agenda

- PostgreSQL—Winning the Database Game
- Why break up with Oracle and move on to PostgreSQL?
- How are your Oracle Migration needs getting fulfilled?
- Why is EDB Postgres AI the perfect match for your Oracle Migration & Modernization proposal?
- Meeting your migration needs
- Key takeaways
- Q&A

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How PostgreSQL is **Winning** the Database Game

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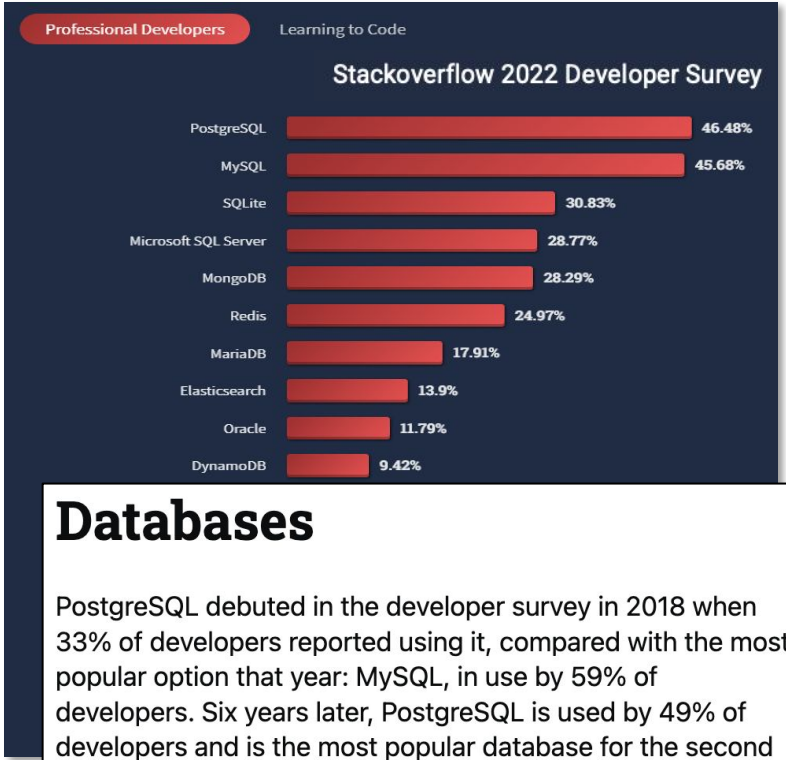
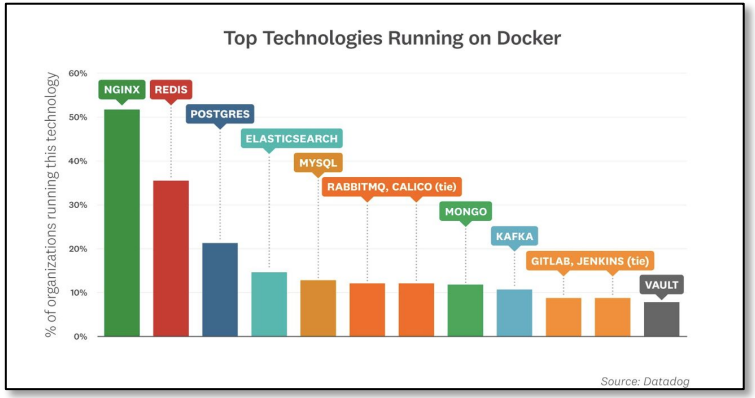
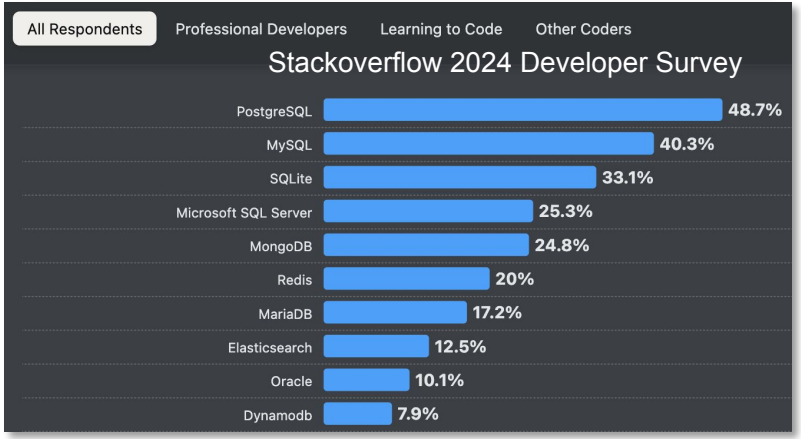
PostgreSQL—Loved by Developers and DBAs



Databases

PostgreSQL debuted in the developer survey in 2018 when 33% of developers reported using it, compared with the most popular option that year: MySQL, in use by 59% of developers. Six years later, PostgreSQL is used by 49% of developers and is the most popular database for the second year in a row.





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Why customers use PostgreSQL?

- Open Source
- Large community with strong talent pool
- Advanced Features
- Stability and Efficiency
- Performance
- Extensibility
- Security
- Compliance

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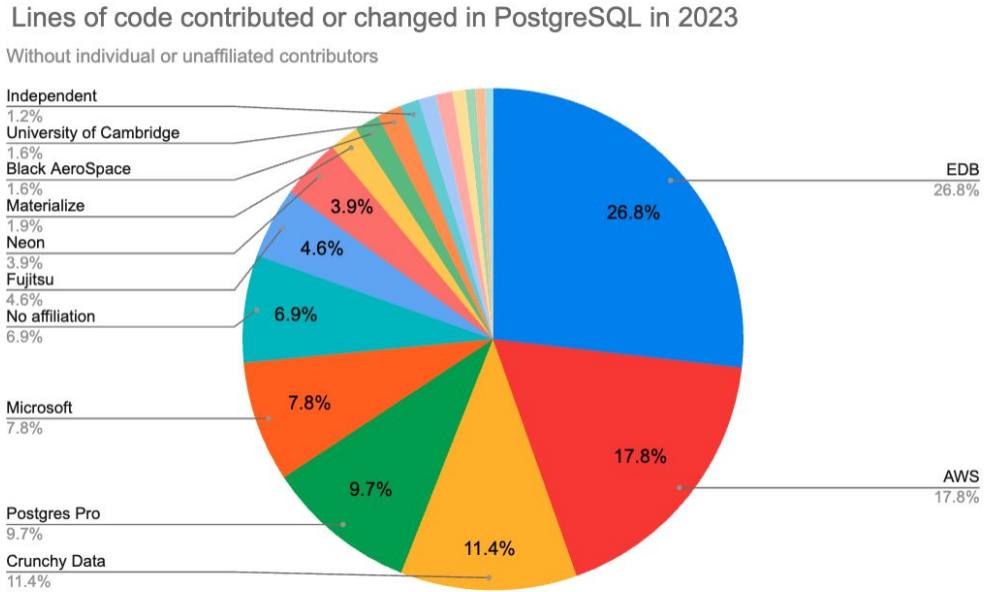
EDB's industry-leading role in the open source PostgreSQL Community

- EDB is the #1 contributor to PostgreSQL Code, with 20+ years of innovation & adoption. Customers have direct access to the people shaping the direction of the technology
- Contributes more than 1/3rd of PostgreSQL code
- Essential EDB Postgres 17 contributions, including incremental backup
- Open source Kubernetes operator for PostgreSQL®, CloudNativePG
- Maintain Barman (Backup and Recovery Manager)



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Why break up with Oracle and move on to Postgres?

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A good database relationship gone bad…

- Oracle contracts are complicated
- Audits are disruptive
- Widely perceived issues with the quality of contracted Oracle support delivery
- An organization’s customers want their provider to move off Oracle and onto Postgres—financial services and pharma verticals
- The organization wants to embrace AI applications and analytics

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Even more challenges with legacy Oracle infrastructure

Price

Oracle's high cost reflects restrictive and complicated contracts

Agility & Deployment Options

70% of new apps use open source, with enterprises deploying Postgres on multi-cloud and containers to quickly adopt modern architectures

Innovation & Future-Proofing

Oracle innovation is proprietary and costly. Postgres paves the way to transactional, analytical, and AI workloads

Consolidation

Focus IT spend on fewer platforms

PostgreSQL fits many workloads

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Challenges with migrating Oracle databases

And how they impact app modernization failure

Compatibility and migration complexity

- Frequently involve large application code rewrites, with architects assessing which databases can be migrated quickly and those that can't
- New database transitions require tools and assistance

Performance and optimization

- Queries performing well in Oracle may not do so in PostgreSQL, due to different configuration settings
- Associated risks involve downtime and even lost revenue as enterprises adapt to Postgres.

Integration & application incompatibilities

- Apps interacting with Oracle may rely on Oracle-specific features (e.g., custom functions or Oracle SQL extensions)
- Adapting Oracle apps for PostgreSQL is challenging, consuming the time & energy of costly software engineering resources

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How are your Oracle Migration needs getting fulfilled?

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What obstacles exist?

So you've decided to move on… but Oracle database migrations without the right strategy and partner

Migrations are hard

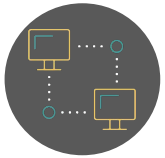
- Much assessment and effort required
- Across schema, data, and application

Oracle skills

- Businesses have invested in Oracle training
- Concerned about losing those skills/expertise

Troublesome contracts

- Oracle licenses are complicated
- Audits are disruptive
- Widely perceived issues with quality of contracted Oracle support delivery



Apps designed for Oracle

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

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What needs to be migrated?

Database Schemas

Data in the Database

Infrastructure & Operations

Application(s)

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Why is EDB Postgres AI the perfect match for your Oracle Migration & Modernization proposal?

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The fastest on-ramp to modernize with Postgres.

Migrate databases
less than 20 days

95%
Reduction in application rewrites

99.999%
Availability with geo-distributed, active/active clusters

80%
Reduced TCO versus legacy Oracle databases

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Simplify Oracle Migration & Modernization with EDB Postgres AI

Accelerate app modernization, mitigate database migration risks, and reduce Oracle TCO up to 80%

- **Minimize Tier 1 application impacts**
  - Reduce application rewrites up to 95%
  - Eliminate disruptions when migrating from Oracle.

- **Meet strategic migration initiatives, faster**
  - Migrate most Oracle databases in less than 20 days.

- **Improve operational agility, reduce overhead**
  - Deploy enterprise-grade EDB Postgres AI that delivers open source flexibility, hardened security, and up to 99.999% availability.

- **Leverage deployment flexibility**
  - Options include on-premises, public/private cloud, and integrated hardware solutions.

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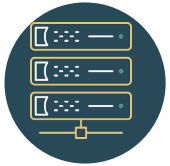
EDB Postgres AI key features



Integrated Oracle compatibility

- Leverage EDB Postgres Advanced Server (EPAS) to deploy modern solutions for transactional, analytical, and AI workloads

EDB Postgres AI Migration Tools

- Modernize your database in 20 days with EDB Migration Copilot, EDB Migration Portal & Migration Toolkit, and Replication Server

Oracle Migration Estate Assessment

- Save up to 80% TCO by by using the Migration Assessment tool in our Hybrid Control Plane to determine which databases to migrate first.

Accelerate Oracle RAC to EDB Postgres AI conversions

- Get up to 99.999% availability by running active/active, geo-distributed clusters, with EPAS running on EDB Postgres Distributed

Enterprise-grade security

- Protect app and customer data with Transparent Data Encryption, SQL protection, audit trails, and data redaction. Leverage RBAC and fine-grained data access.

Deployment flexibility

- Options include hybrid, bare metal, virtual machines, Kubernetes/ containers, private cloud, and self-managed public cloud

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Meeting your migration needs

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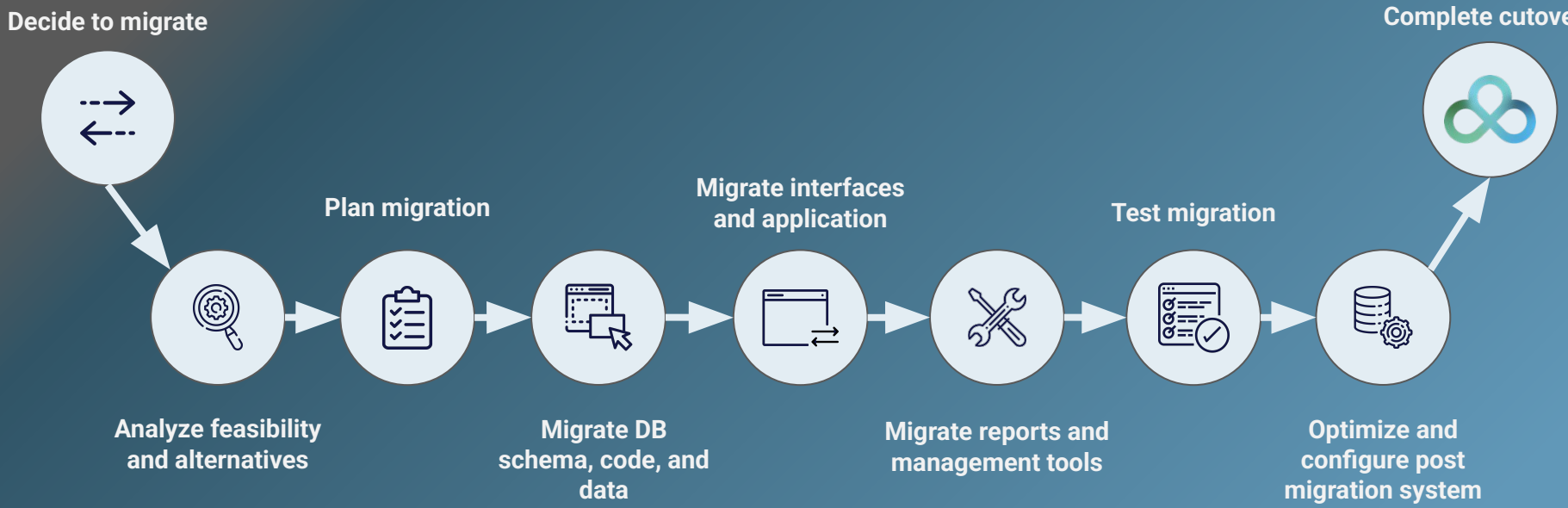
Oracle Application Migration Journey

What are the steps in migrating from Oracle to EDB Postgres AI?



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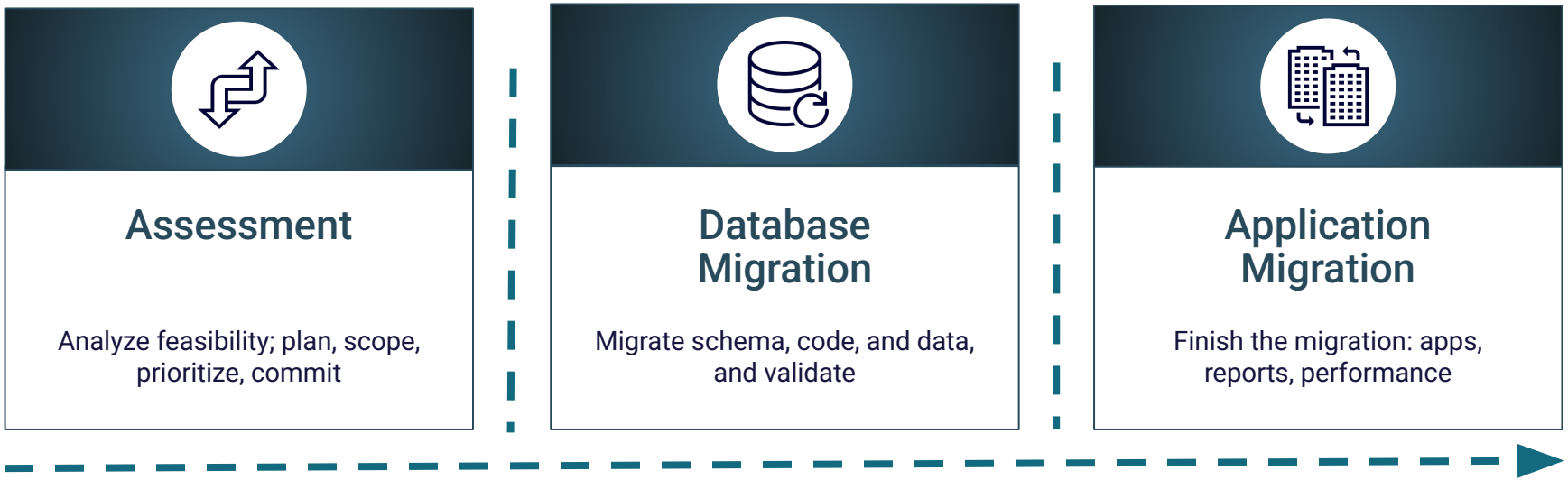
How EDB Supports the Migration Journey



Comprehensive Migration Capabilities

Database compatibility, deployment options, migration tools, and professional services (migration expertise)

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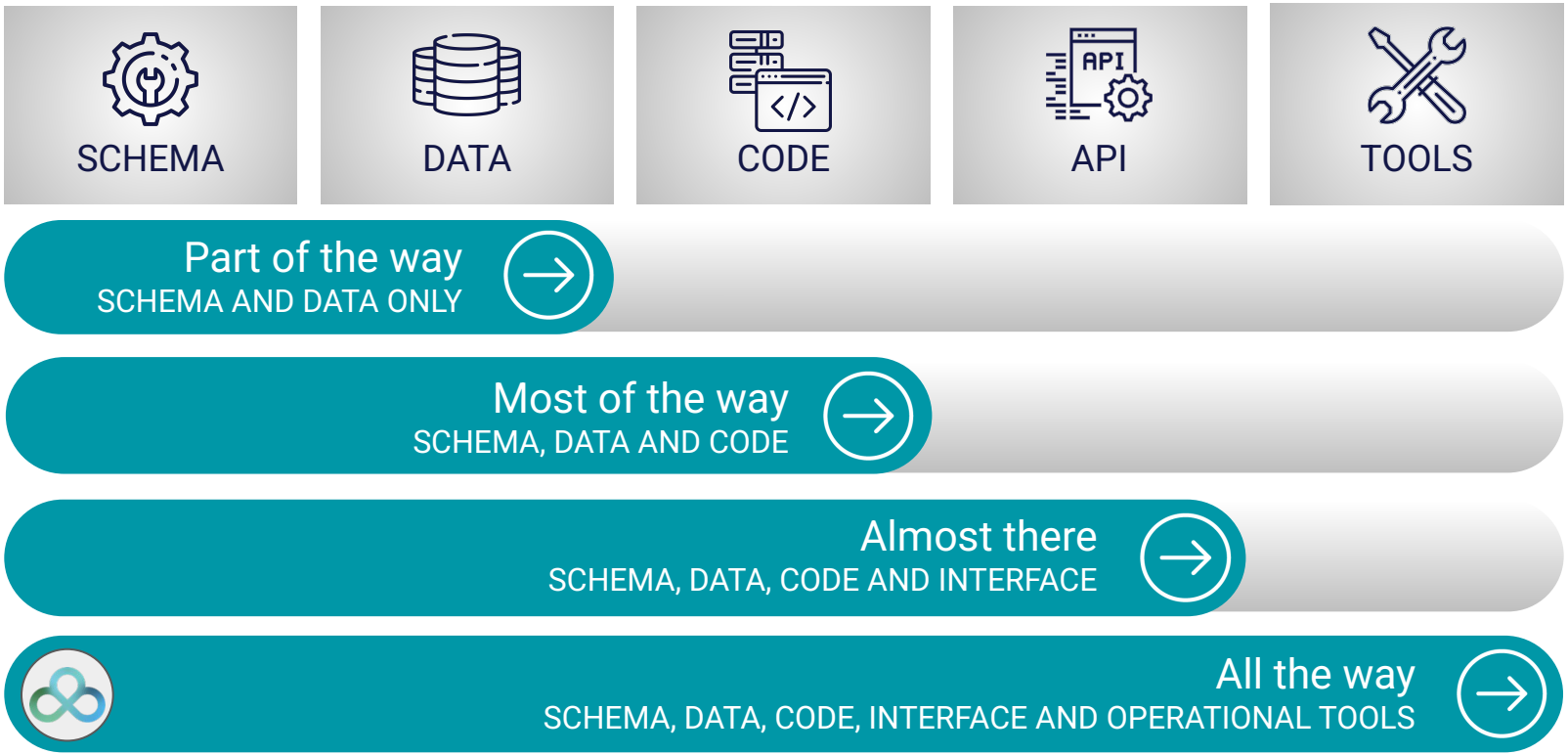
Oracle Database Migration Solutions



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Database Compatibility, Migration Tools, and Support

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Database Migrations Made Easy

Leveraging EPAS and EDB Postgres AI Migration Tools to Modernize Oracle Databases

EDB Postgres Advanced Server Oracle Compatibility Mode enables use of your existing Oracle database apps with EDB Postgres AI with *minimal changes*. Compatible components include:

- Schemas
- Data
- Code
- Interfaces

Oracle Compatibility is our greatest DIFFERENTIATOR for EPAS

Oracle Migration is moving your application and database from Oracle to Postgres. The amount of effort can vary based on the application.

- **EDB Postgres AI Migration Tools**
  - Migration Portal with AI Copilot
  - Migration Toolkit
  - Replication Server
- **Migration Expertise and Support**
  - Migration Services
  - DBA and Ops tools support enterprise systems after migration

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Robust Compatibility with Oracle

EDB Postgres Advanced Server's compatibility is wide and deep

- **What are the benefits of compatibility?**
  - Significantly reduces the amount of time and effort required for a migration from Oracle
  - Eases the transition from Oracle to Postgres for Oracle DBAs and developers

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Professional services & support for always-on Postgres

Professional services across the Postgres lifecycle

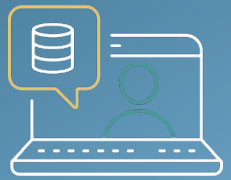
- Strategy.
- Operations and implementation.
- Customized services.

Training

- Quickly enable customers and partners on Postgres.
- Instructor-led, On-demand, and Certification options.

Technical account management

- Assigned technical expert to proactively advise on EDB solutions.



Remote DBA

- Maximize Postgres performance and uptime.
- Hands-on Postgres support.
- Proactive remediation.

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Deployment Options

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EDB Postgres AI 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

EDB Postgres AI Cloud Service on AWS, Google Cloud, or Microsoft Azure

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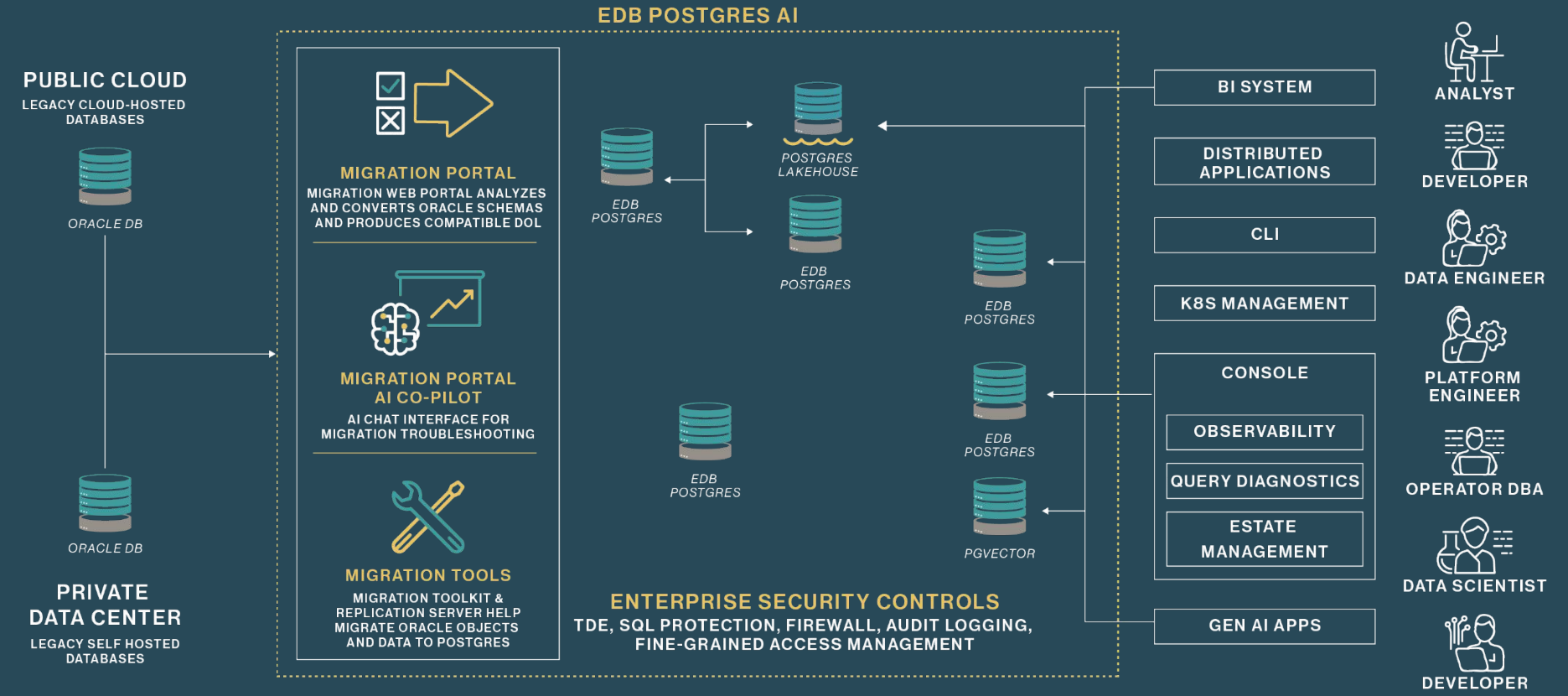
Migrating from Oracle to EDB Postgres AI



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Moving on from Oracle with EDB Postgres AI Takeaways

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Key Takeaways

- EDB provides the fastest on-ramp to modernize from legacy data infrastructure, with the most robust Oracle compatibility and admin-friendly toolsets, plus an AI-powered Migration Co-pilot and services that simplify migration
- EDB's Oracle compatibility in EDB Postgres Advanced Server and related tools & services significantly reduce migration effort and time
- Migrating from Oracle to EDB Postgres AI enables customers to leverage open source flexibility for AI, analytics, and transactional workloads

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Oracle Database Modernization unlocks powerful business outcomes

Grow revenue Increase ROI, release legacy licensing budget, faster GTM for new apps and services to beat the competition.

Innovate faster Capitalize on new transactional, analytical, and AI workloads. Enable engineers to move faster with open source and cloud-native technologies.

Operate Efficiently Zero-risk migrations that reduce TCO, expand deploy options, and promote the development of AI and omni-data applications.

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