PostgreSQL vs. MySQL: Migration without the Migraine

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Agenda

- Webinar Series Review
- EDB: Framework For Success
- Demo 1: pgloader Migration Demo
- Demo 2: EDB Migration Toolkit Demo
- What's Next?

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Webinar Series

- *Part 1: Choosing the Right Foundation*
- Part 2: The Tech Showdown
- Part 3: Migration Without the Migraine

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EDB: Framework For Success

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Change IS Good:
Do MORE, Be MORE

MySQL™

PostgreSQL

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EDB: We've Got Your BACK!

Experience, Knowledge, and Guidance

- Over 65,000 Customer Migrations
- Training, Services, and Support
- 20+ Years Industry Experience
- Lower Migration Risks
- Shorter Time to Success

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EDB Migration Methodologies

Fast and Easy for Simple Migrations

Assess
Complexity/Effort

Create **Business Case**

Identify Best Fit & Pilot Project(s)

Deploy Architectures

Migrate Schemas and Data

Develop Runbooks/ Automation

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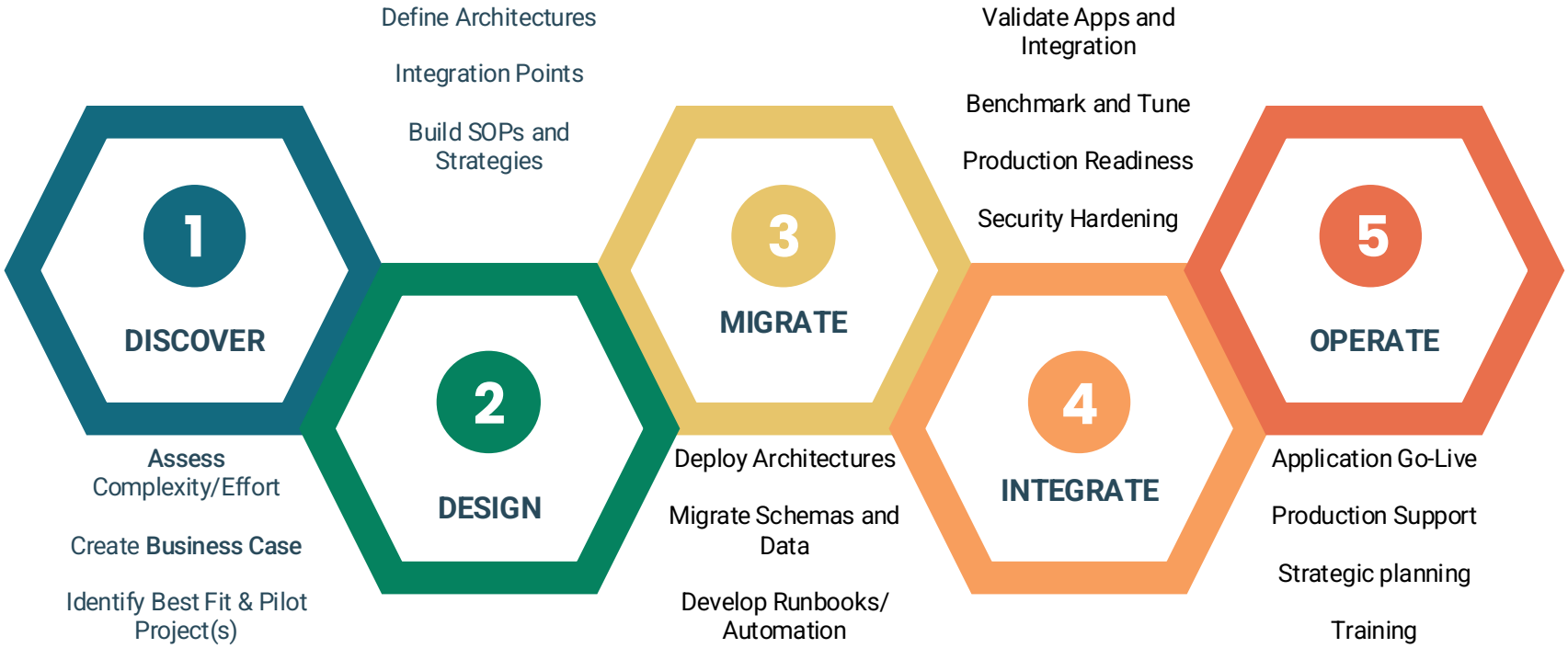
EDB Migration Methodologies

Scalable and Proven For Enterprise Migrations



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EDB Migration Framework: **ACTIONS** Overview

Proven and Scalable Methodology For Enterprises

7 phases to database freedom

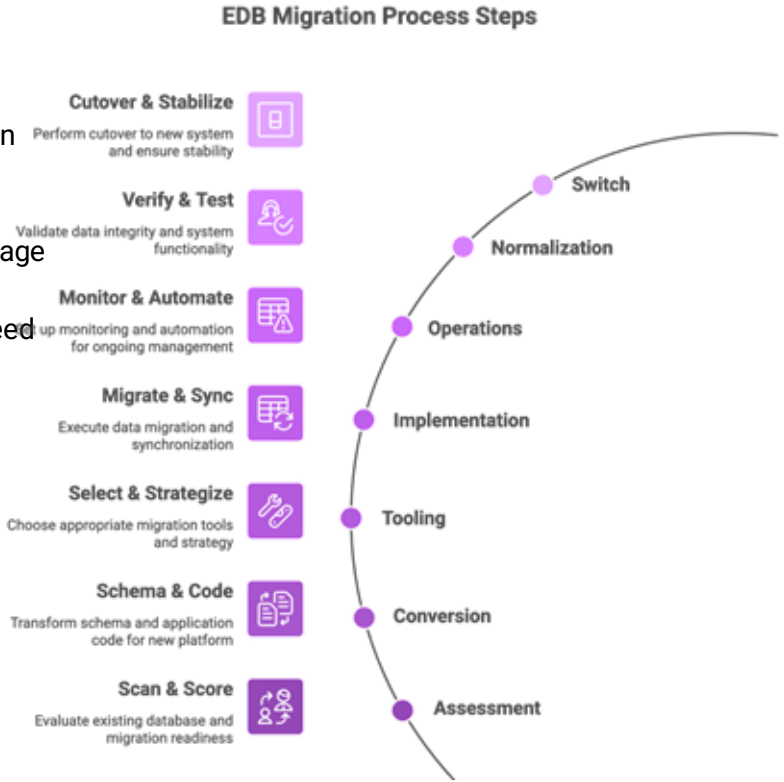
A - Assessment	Scan -> Score -> Size
C - Conversion	Schema -> Code -> Validation
T - Tooling	Right tools -> Right strategy
I - Implementation	Migrate -> Sync -> Optimize
O - Operation	Monitor -> Automate -> Manage
N - Normalization	Verify -> Test -> Certify
S - Switch	Cutover -> Stabilize -> Succeed

What ACTIONS framework delivers

Traditional Migration	EDB ACTIONS Framework
Long	Shortened
40% failure rate	<1% rollback rate
Trial and error	Predictable phases
Multiple vendors	Integrated toolkit

Key differentiators

Automated assessment identifies issues before they become problems
Built-in validation at every phase reduces risk
Proven playbooks for Oracle and Cloud PostgreSQL scenarios



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Demo 1: pgloader Migration Demo

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pgloader

Open Source and Available for Simple and Fast Migrations

pgloader

Description	License	Pricing	Publisher	
pgloader loads data from various sources into PostgreSQL. It can transform the data it reads on the fly and submit raw SQL before and after the loading. It uses the COPY PostgreSQL protocol to stream the data into the server, and manages errors by filling a pair of reject.dat and reject.log files. Thanks to being able to load data directly from a database source, pgloader also supports from migrations from other productions to PostgreSQL. In this mode of operations, pgloader handles both the schema and data parts of the migration, in a single unmanned command, allowing to implement Continuous Migration.	Open source	Freely available, under BSD licence	Dimitri Fontaine	View

https://pgloader.io/

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pgloader

Open Source and Available for Simple and Fast Migrations

Demo Video

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Demo 2: EDB Migration Toolkit Demo

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EDB Migration Toolkit

For Larger, More Complex Migrations

One platform, complete migration

EDB Migration Factory Toolkit

Phase	Tools	Purpose
Assess	Migration Portal	Cloud-based complexity scoring
Convert	Migration Toolkit + SPL Check	80% automatic schema/code conversion
Migrate	Replication Server	CDC for zero-downtime migration
Validate	LiveCompare	Continuous data verification
Operate	PEM + Failover Manager	Monitoring and HA management

Why integration matters

- **Without EDB:** Many separate tools, months of integration, compatibility issues
- **With EDB:** Single platform, pre-integrated, proven compatibility

Key advantages

- All tools designed to work together
- Single-vendor support
- Unified licensing model
- 40% faster project delivery

From assessment to production — ONE toolkit does it all

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EDB Migration Toolkit

For Larger, More Complex Migrations

Offline migration (simple and reliable)

- Stop app → Migrate schema → Transfer data → Validate → Start app
- Tools: Migration Toolkit or pg_dump/restore
- Best for: Dev/test environments, weekend maintenance windows

Hybrid approach (balanced)

- Initial load (weekend) → CDC sync (weekdays) → Brief cutover
- Tools: MTK for bulk + Replication Server for changes
- Best for: Most production systems

Online migration (mission critical)

- Setup CDC → Continuous sync → Validate → Zero-downtime cutover
- Tools: EDB Replication Server or AWS DMS
- Best for: 24x7 operations, multi-TB databases

Choose your strategy based on requirements

Database Size	Downtime Window	Strategy
< 100GB	2–4 hours	Offline migration
100GB–1TB	< 1 hour	Hybrid approach
> 1TB	Near-zero	Online CDC

Key decision factor: Acceptable downtime drives strategy, not just size

Right Strategy = Successful Migration

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EDB Migration Toolkit

For Larger, More Complex Migrations

Demo Video

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What’s Next?

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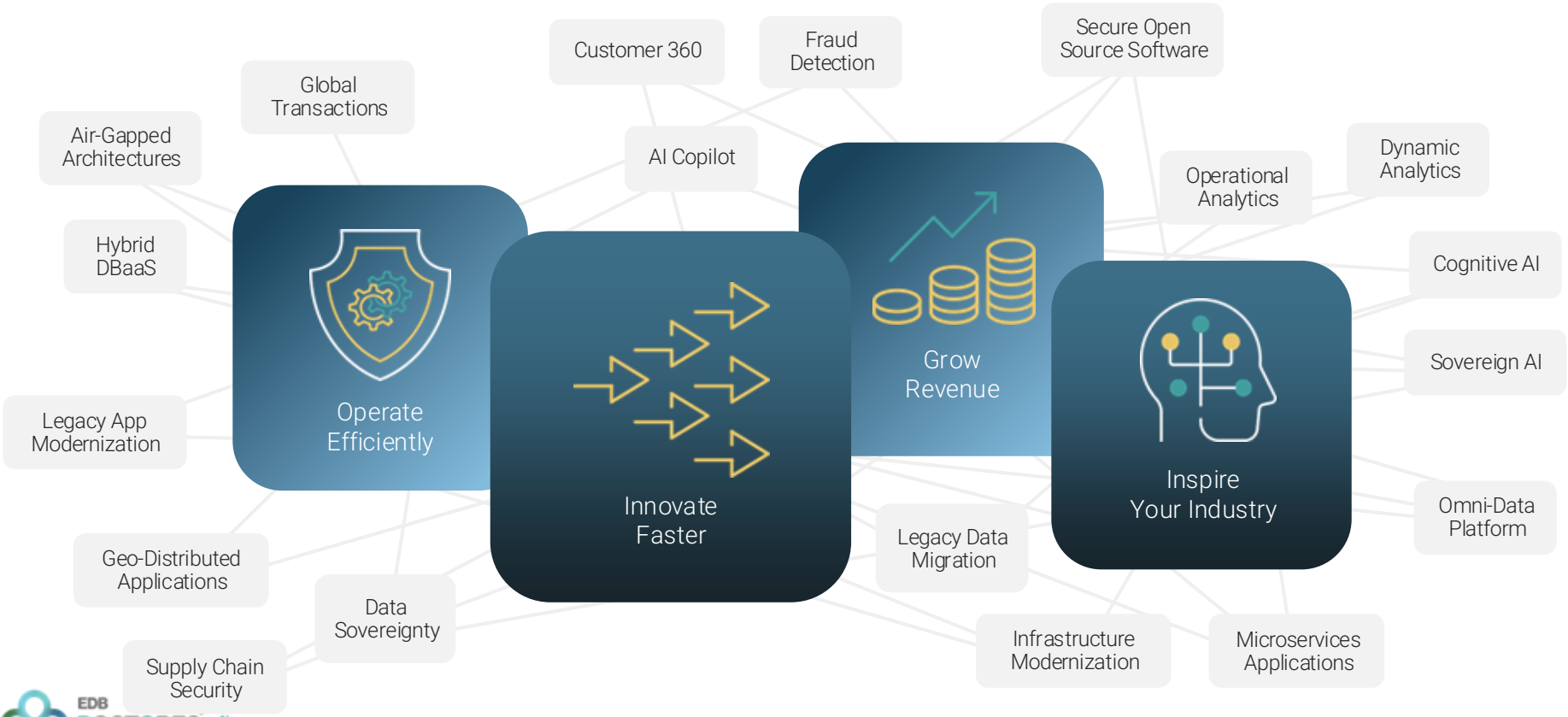
What value can your data unlock?



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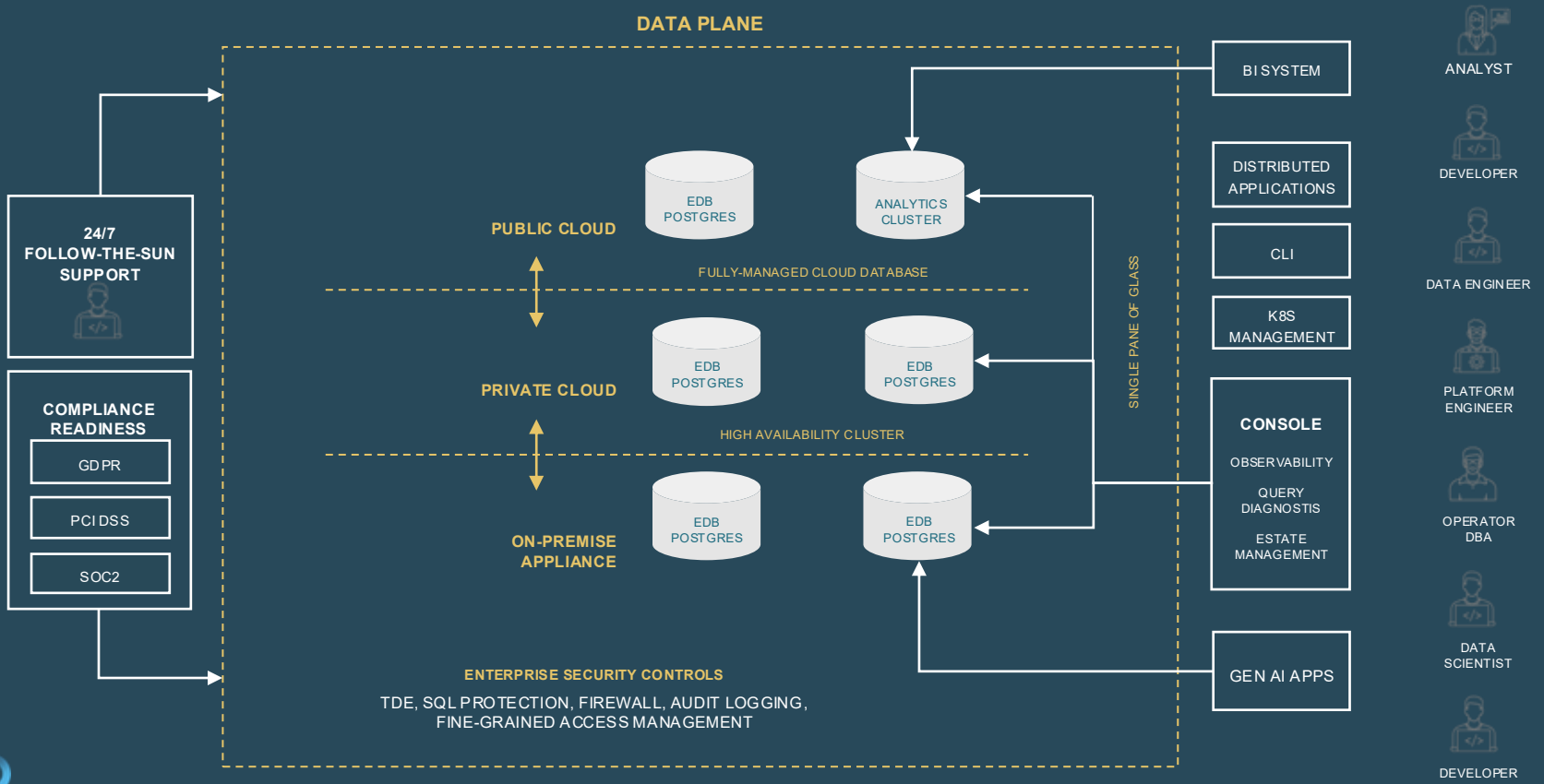

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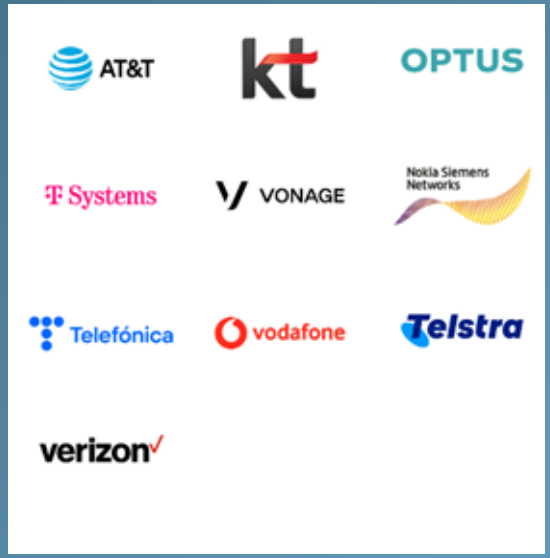
Who's In? Shouldn't You Be?

BANKING, FINANCIAL

TECHNOLOGY

TELCO



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Key Takeaways

- Similar SQL Foundations EASE the Migration Process
- EDB + Postgresql = A Winning Combination
  - Proven Migration Methodologies
  - Real World Customer Migration Success
  - Database Migrations at SCALE
  - World Class Migration Training, Services and Support
- One Small Migration Step, One GIANT Leap for your Business Capabilities
  - High Availability = Business Continuity
  - Security = Compliance, Risk Mitigation
  - Analytics = Real Time Business Insights
  - AI = Increased Productivity, Time to Value
- Please see our MySQL vs PostgreSQL page for more details.
- Contact us with questions!

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Thank you!

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