



**EDB**

Postgres® for the AI Generation

## Dîner IT Leaders

**L'innovation au cœur de la modernisation et de la  
sécurité avec Postgres**

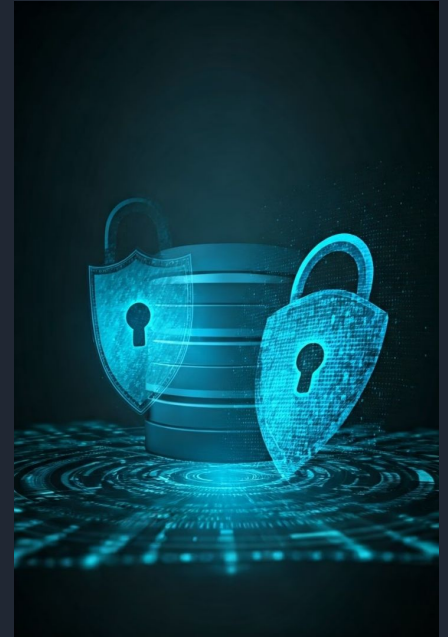


# Accelerate More with **EDB Postgres AI**

Date: March 19, 2025

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# POSTGRES HAS WON.

One in three (35%) want it for analytic, transactional, and AI workloads.

## Postgres is eating the database world



Vonng · Follow

11 min read · Mar 15, 2024

<https://medium.com/%40fengruohang/postgres-is-eating-the-database-world-157c204dcfc4>

### Comparison of Release Velocity

Database	Release Model	Major Releases Since 2017	Update Frequency
MongoDB	Versioned, ~Annual	7	High
PostgreSQL	Versioned, Annual	8	Very High
Snowflake	Continuous Deployment	No versioned releases	Extremely High
Databricks	Continuous Deployment	No versioned releases	Extremely High
Oracle	Versioned, ~2-3 Years	4	Low-Medium
SQL Server	Versioned, ~3-4 Years	3	Low



The promise of **AI and data.**



# EDB

## ENTERPRISE-GRADE POSTGRES

### **1500+** Enterprises and Growing

EDB deeply understands Enterprise Postgres needs.

### **79** Countries around the World

Global footprint and employee base.

### **18** Years of Driving Postgres in the Cloud

Long-term customers and deep Postgres capabilities.

### **2 of 7** Postgres Core Team Members, **7** Committers, **40+** Contributors

EDB is the leading Postgres community contributor.

### **>32%** of Postgres Code Contributed in **2024**

Driving the innovation and foundation of Postgres

### **300+** Dedicated Postgres engineers

Unparalleled expertise in Postgres.



# EDB Postgres Superpowers

## 1 - SOVEREIGN CONTROL

Cloud service automation in private customer-controlled environment (Hybrid DBaaS)

## 2 - ENTERPRISE SECURITY

Protect your data: Transparent data encryption, SQL protection, audit

## 3 - SECURE SUPPLY CHAIN

Mitigate open-source vulnerabilities. Software Bill of Materials

## 4 - LEGACY MODERNIZATION

Oracle compatibility mode and migration assistance.  
80% Licensing Drop

## 5 - GLOBAL HIGH AVAILABILITY

Up to 99.999% uptime. Active/active distributed clusters serving global users

## 6 - CLOUD-NATIVE DEPLOYMENT

The #1 most popular Kubernetes operator. PG on K8s with confidence

## 7 - HYBRID OBSERVABILITY

Monitoring and management across clouds and on prem. Up to 30% productivity boost

## 8 - Analytics & AI ACCELERATION

Power GenAI and Agentic AI with sovereign Postgres and Analytics Accelerator. Up to 30x faster queries.

## 9 - Analytics & ML At Scale

Consolidate petabyte-scale analytics workloads based on Postgres with "Greenplum"





# Threat Landscape

74%

## High-Risk Vulnerabilities

Risk-assessed codebases contained high-risk vulnerabilities in 2024, up from 48% previously.

60%

## OSS Vulnerabilities

Organizations using OSS will encounter supply chain vulnerabilities or IP disputes by 2026.

40%

## Data Breaches

Data breaches that are expected to be caused by OSS vulnerabilities by 2026.



# EDB Postgres

*Protect Operations with Enterprise-Grade Security*



## Advanced Authentication

LDAP & Kerberos integration, multi-factor authentication (MFA), enhanced identity management.



## Enhanced Data Encryption & Security

Transparent Data Encryption (TDE), encrypted backups, SSL/TLS encryption for data in transit. Secure data access with database firewall, data reaction and fine-grained access control.



## Auditing & Compliance

Advanced audit logging, compliance with PCI DSS, HIPAA, and GDPR, SQL Query Auditing.



# EDB Postgres AI Results

<https://trust.enterprisedb.com/>

- Enjoy rapid value delivery.
- Code, deploy, and release new software with hardened Postgres and enterprise security features.
- Develop confidently, ensure customer trust, and keep customer data secure.
- Easily manage and monitor with centralized observability and control, for Postgres deployed anywhere.

50+  
repositories

Signed repositories  
covering various  
Postgres extensions

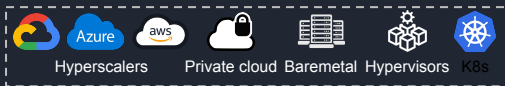
The screenshot displays the EDB Trust Center web interface. At the top, there is a navigation bar with the EDB logo and 'Trust Center' text, along with 'Share' and 'Subscribe' buttons. Below this is a 'Start your security review' section with a 'Get access' button and a link to 'View & download sensitive information' and 'Ask for information'. A search bar is present below. The main content area is divided into two columns: 'Overview' and 'Compliance'. The 'Overview' section contains a welcome message and a link to 'access to our security documentation'. The 'Compliance' section features a grid of logos for various standards: CCPA, EU AI Act, GDPR, PCI DSS, SOC 2, CSA STAR, and DORA. Below these is a 'Documents' section with tabs for 'All', 'Public', and 'Private', and buttons for 'Get access' and 'Bulk download'. A 'Featured Documents' section at the bottom shows two document cards: 'RDBA Security Whitepaper' and 'EDB PG AI CS Security Whitepaper'.



DBAs spend **30-50%** of their time on administrative tasks



# EDB Hybrid Control Plane



## Unified management console

- Deploy and manage 100s of database clusters in public and private cloud from a single interface



## Database automation

- Automated backups, point in time recovery, provisioning, activity logs, user management, and alerts



## Enhanced observability

- Monitor, observe, and respond to performance and security issues in real time (200+ metrics)



## Query tuning and diagnostics

- Find missing indexes, misconfigurations, and other bottlenecks to identify problems up to 5x faster



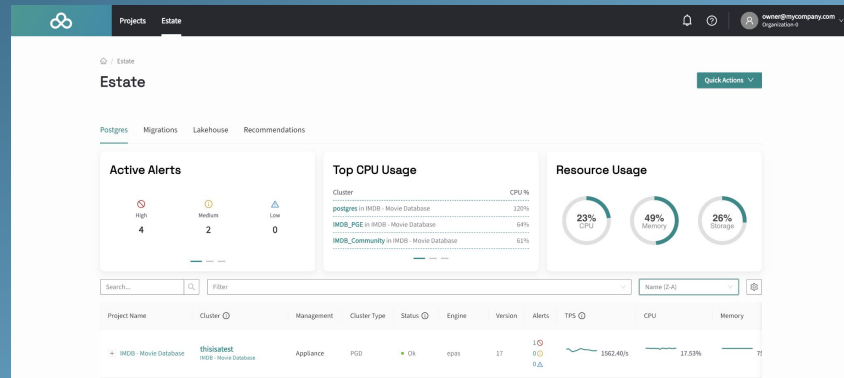
## Migration toolkit for legacy modernization

- Database Migration Service and Data Sync, AI copilots, comprehensive Oracle compatibility for Postgres

# EDB

# Hybrid Control Plane

A **centralized management and automation solution** providing 'single pane of glass' management and observability across your Postgres workloads. **Boost productivity** while accelerating application **performance up to 8x**.



# The Result: Significant Improvements

2X

## Operational Efficiency

Increased efficiency through automated insights and recommendations.

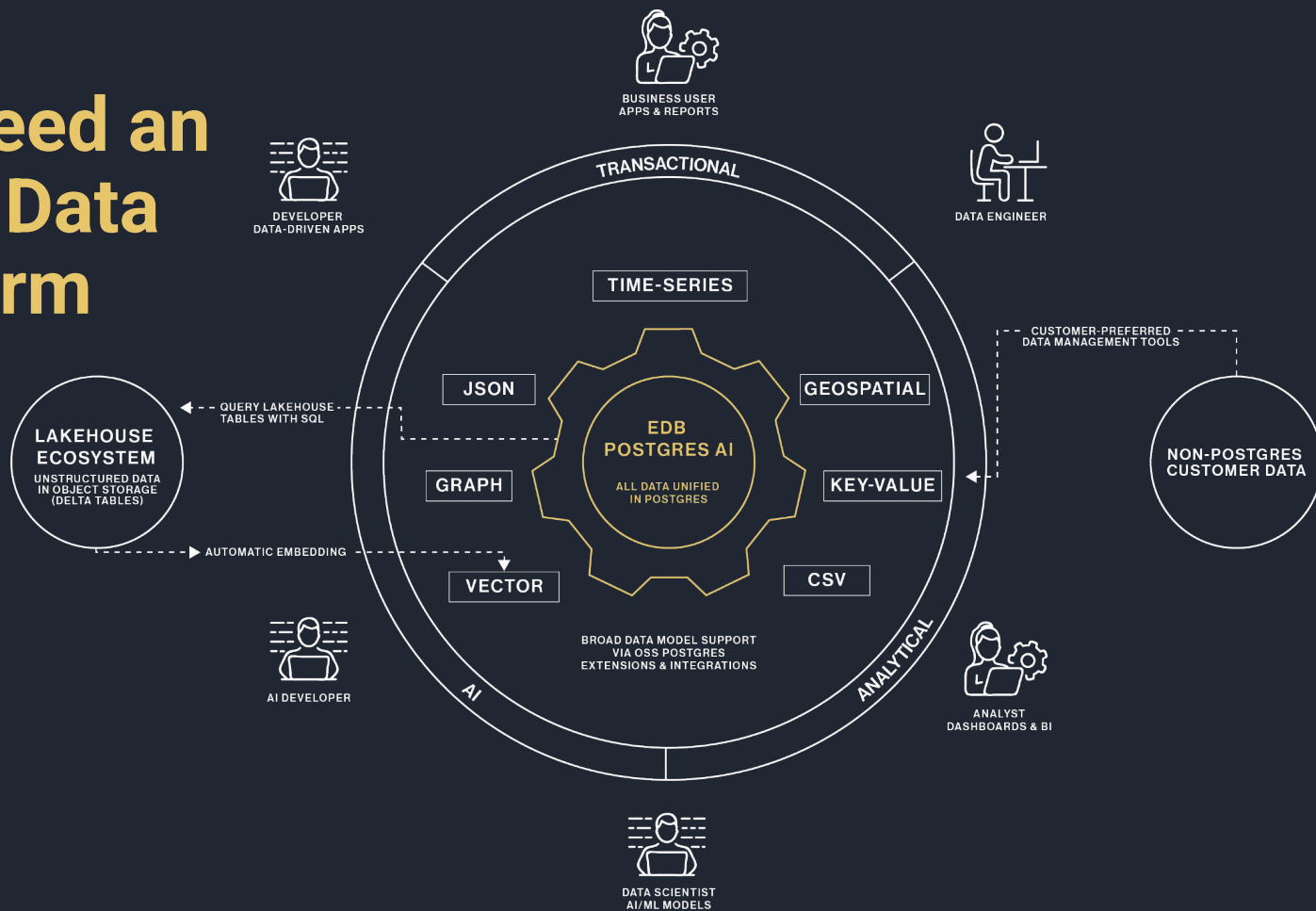
100%

## Resource Efficiency

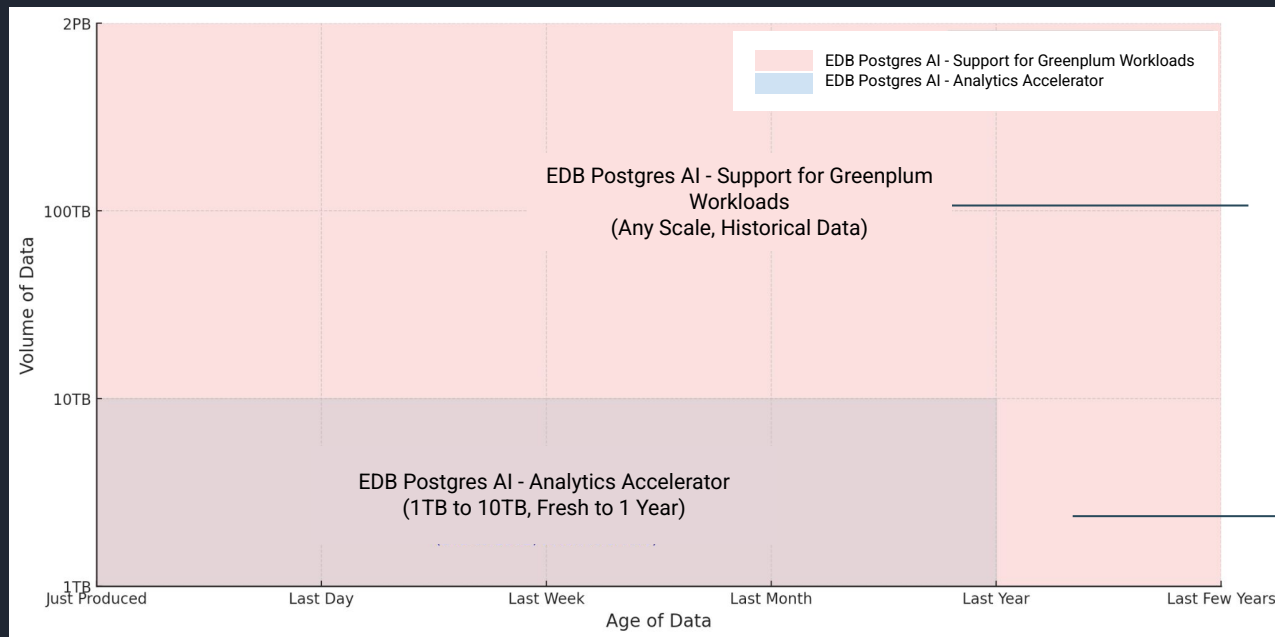
Improved alignment of resource provisioning with actual usage.



# You need an Omni-Data Platform



# Meet every data challenge with one powerful platform



Hot, Warm & Cold Data Power

**Petabyte-scale** warehousing with **5x TCO improvement**

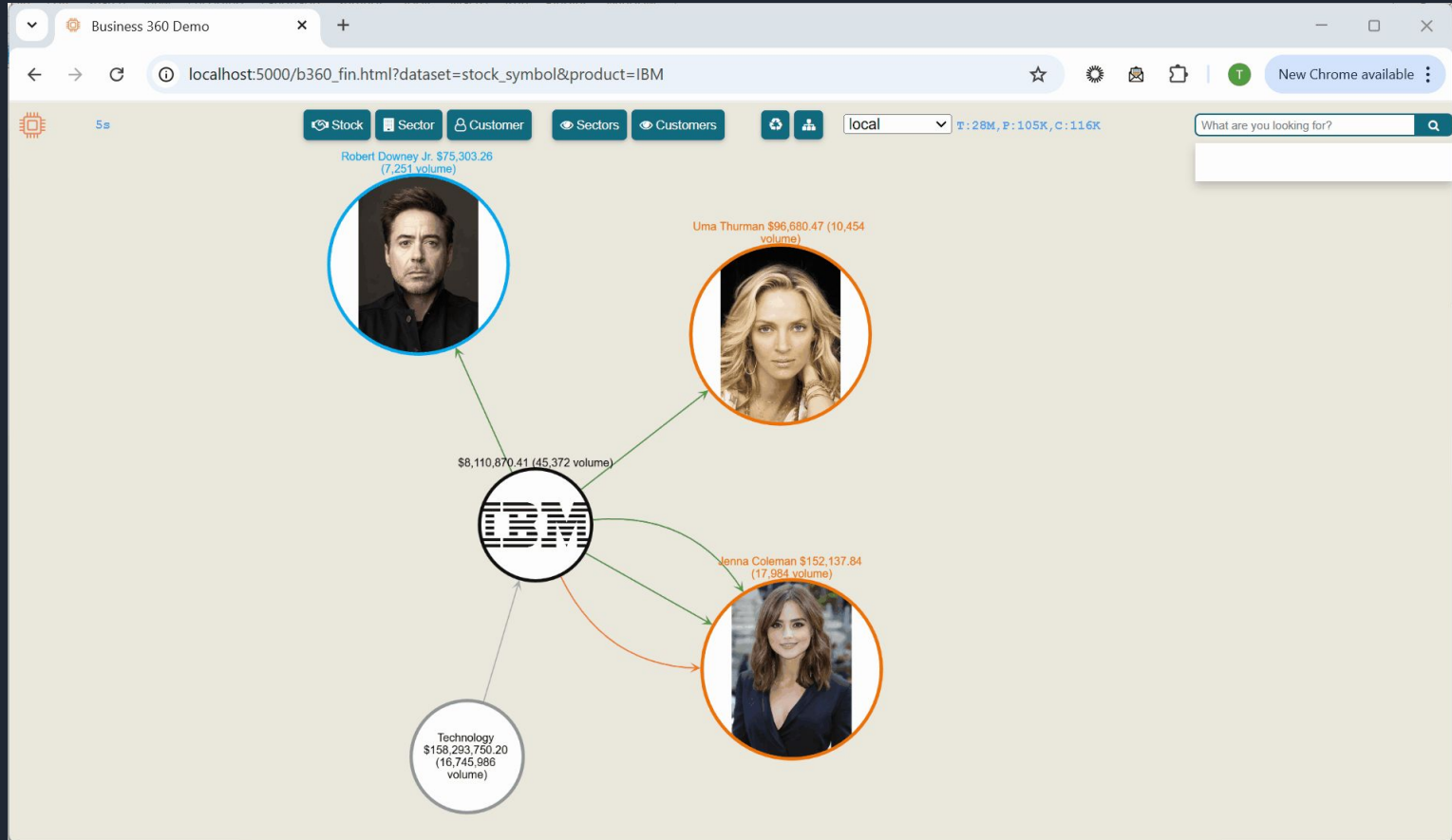
Flexible performance scaling for everywhere in between

Hot Data Performance

**30X faster** analytical queries



# Analytics and ML Demo



**80% of AI projects never reach deployment** due to **data** related challenges



# Key business challenges addressed by EDB AI Accelerator

**Accelerate time to value with a complete agentic AI system for intelligent applications**



Empower everyone  
with a low barrier  
to agentic AI



Mitigate integration  
complexity

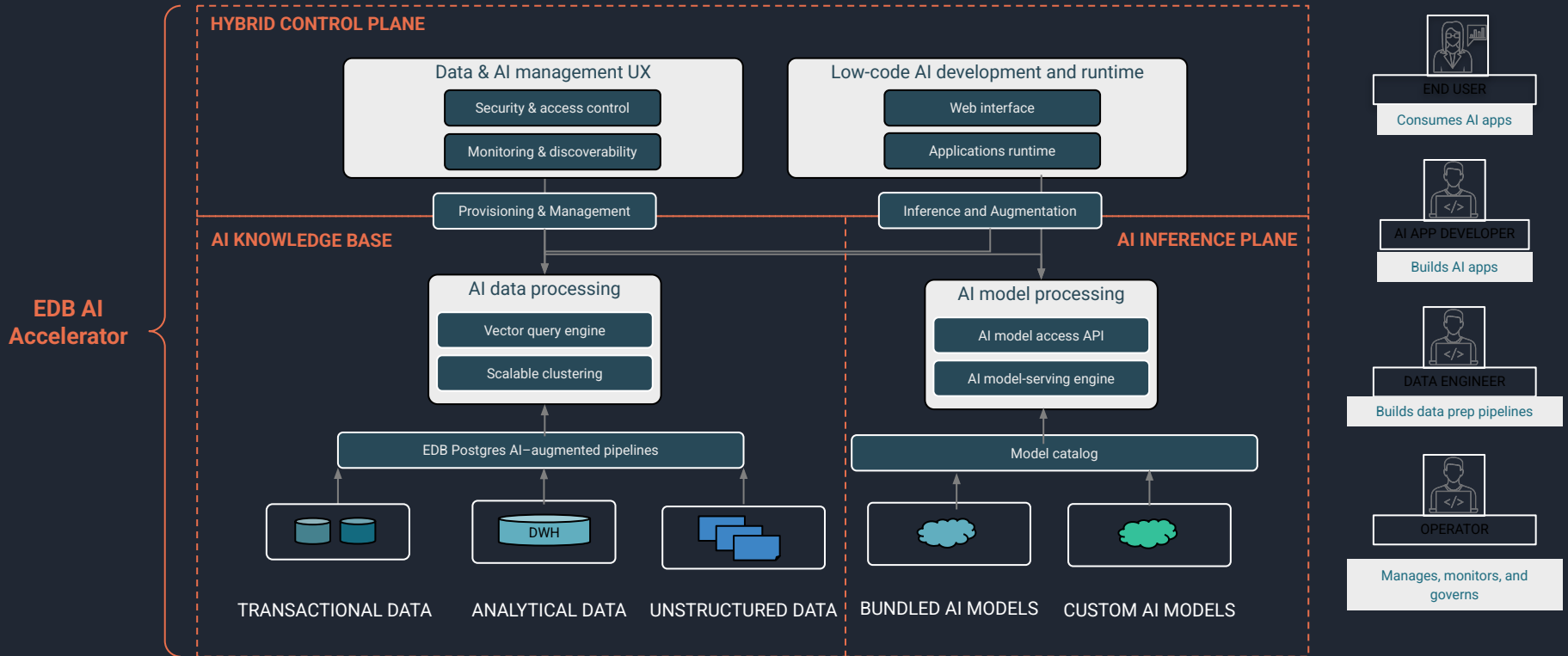


Safeguard critical  
data assets

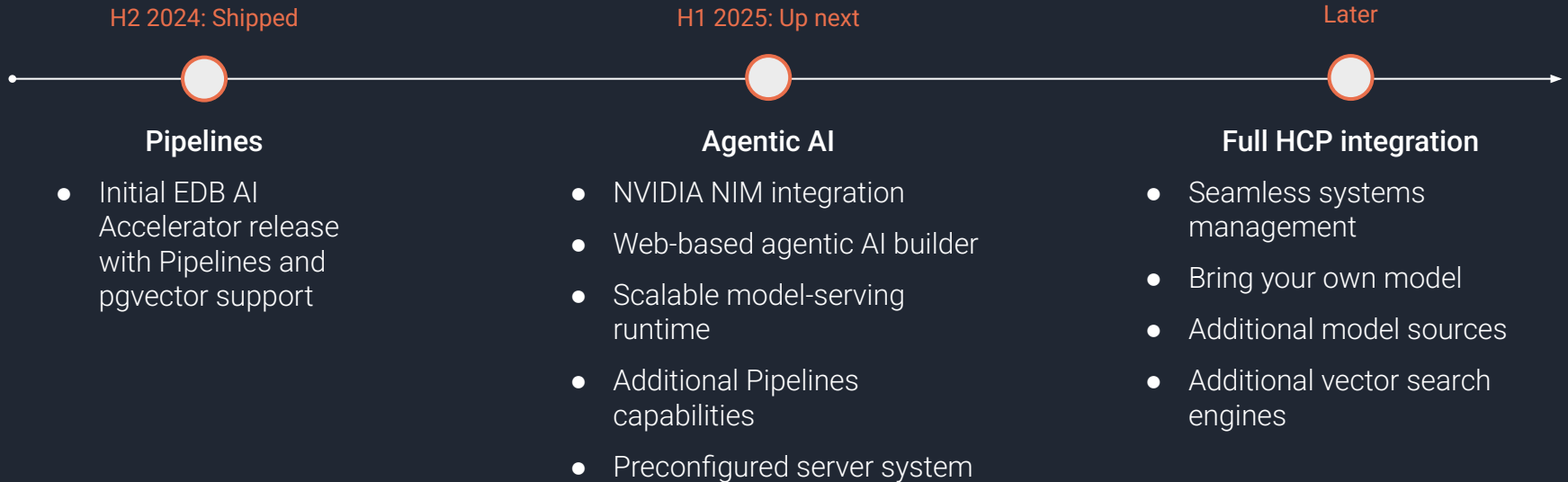


# A full-stack agentic AI system with enterprise maturity

EDB AI Accelerator on the EDB Postgres AI platform



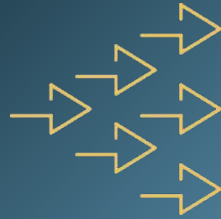
# What do we have now, and what's next?



# Unlock Powerful Business Outcomes



Grow  
Revenue



Innovate  
Faster



Operate  
Efficiently



Inspire  
Your Industry



Merci