



What is Sovereign AI?

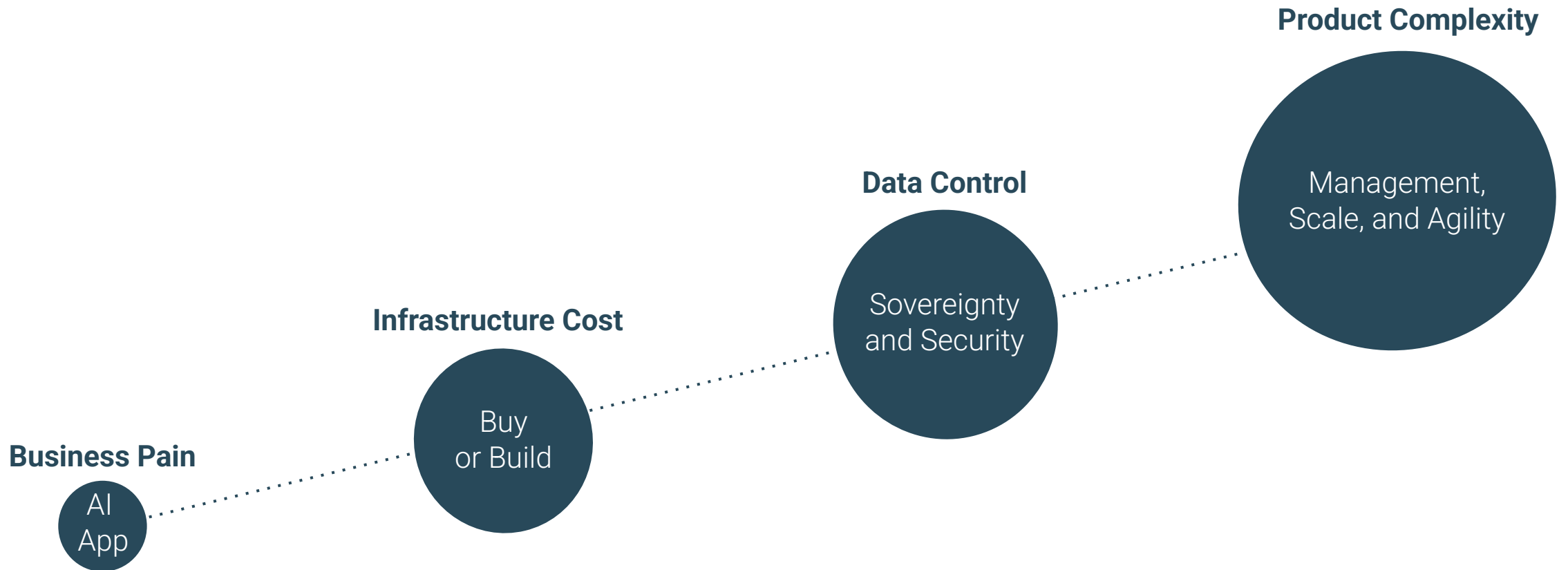
Making your AI platform secure, controlled and adaptable—bringing AI to where your data lives.

Agenda

- Overview: Challenges in enterprise-grade Generative AI application development
- EDB Solution for Sovereign AI
- Demo

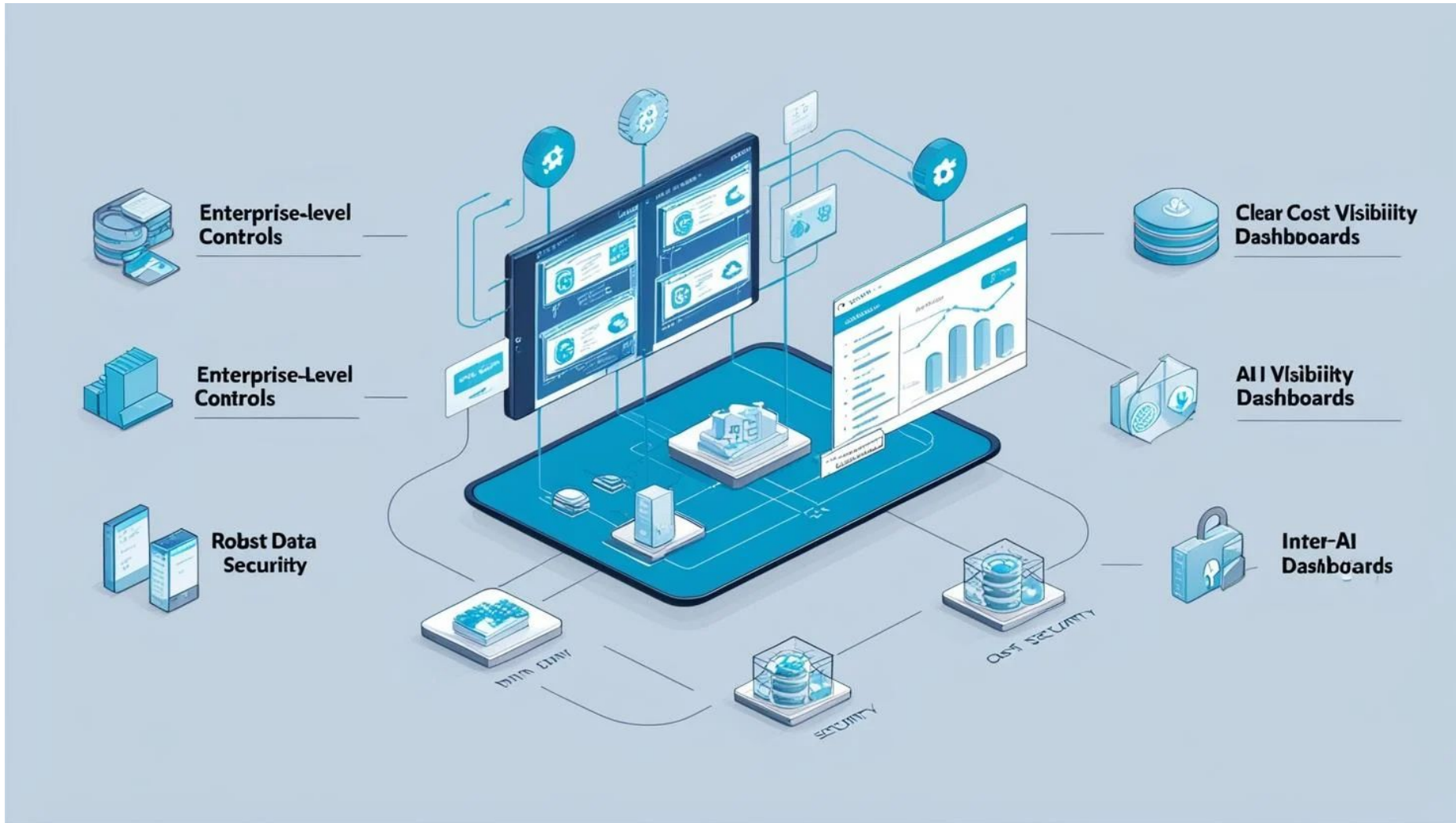


Headwinds for enterprise GenAI success



Why Sovereign AI?







Sovereign AI

PRODUCTION-READY AI APPLICATIONS WITH FULL CONTROL OVER DATA

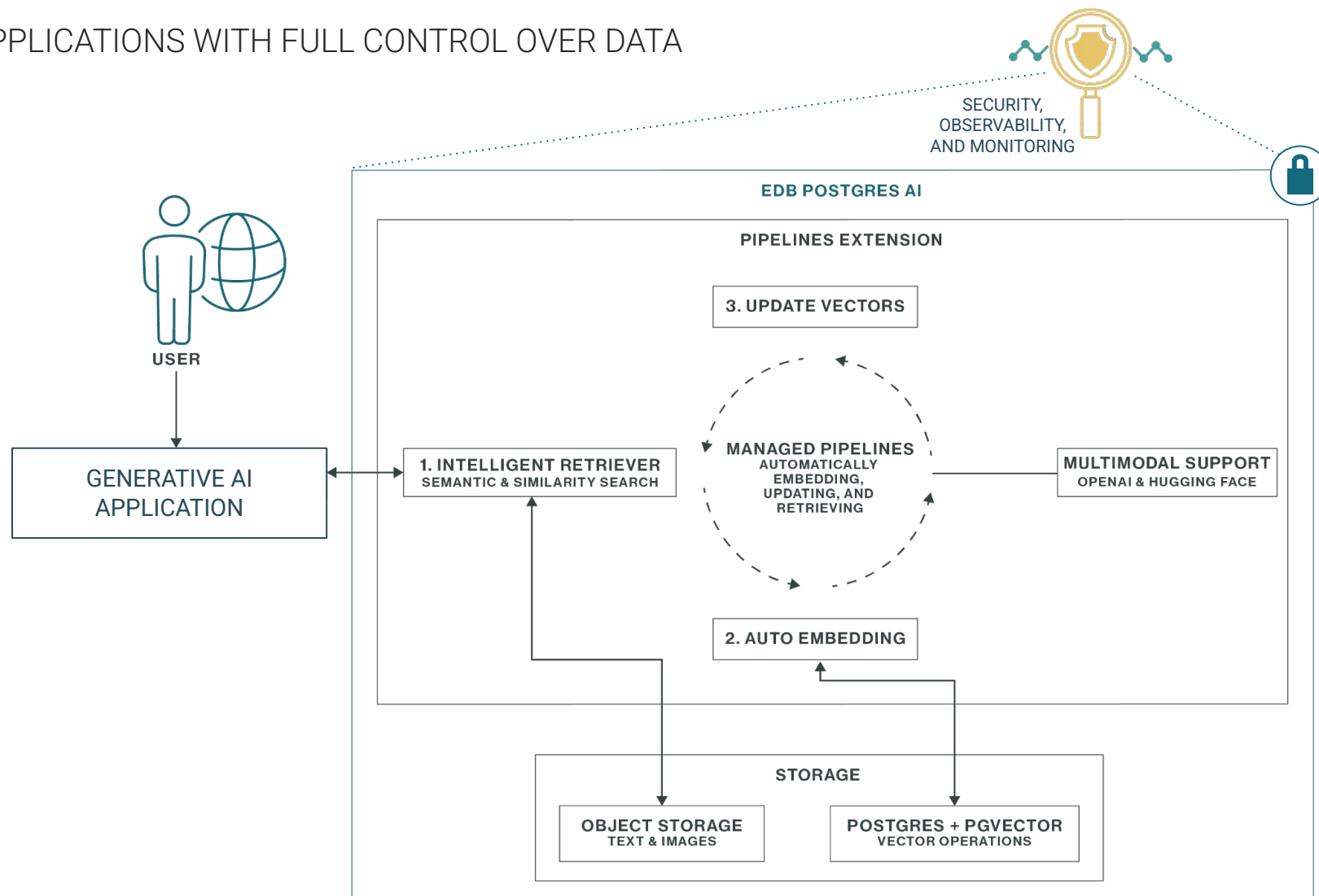
Challenges

- AI governance
- Lack of control with cloud-based LLMs
- Speed-security tradeoff

EDB Postgres AI Solution »

Outcomes

- Faster time to market
- Multi-layered security
- 100% data control



Key features of our sovereign AI solution



- Private AI environment

- Instead of exposing sensitive data to public cloud-based models, bring a wide range of models close to well-governed data in Postgres — enabling vector search and powerful GenAI inference applications with comprehensive observability and audit logging.



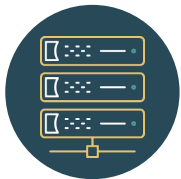
- Deployment options

- Deploy sovereign AI anywhere across private infrastructure — in private data centers, VPC enclosures in the cloud, or hybrid.



- Access control and encryption

- Protect business data with features such as role-based access control (RBAC), row-level security (RLS), and transparent data encryption (TDE).



- Locally hosted open source models

- Open source AI models sit right alongside business data unified in a private Postgres environment, eliminating vendor lock-in and cloud access fees.



Demo



Structure

1. **Similarity Search Engine** - Similarity search to find semantic similarity among customer feedback.
2. **Chat Assistant** - Customer-facing product FAQ assistant based on RAG
3. **Multi-model Search Engine** - Search images based on text input
4. **Virtual Expert** - Conversational AI assistant that answers compliance related queries



Contact EDB for a Personal Consultation

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Contact us to discuss your organization's pain points and explore solutions.

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[Read this sovereign AI use case](#)

