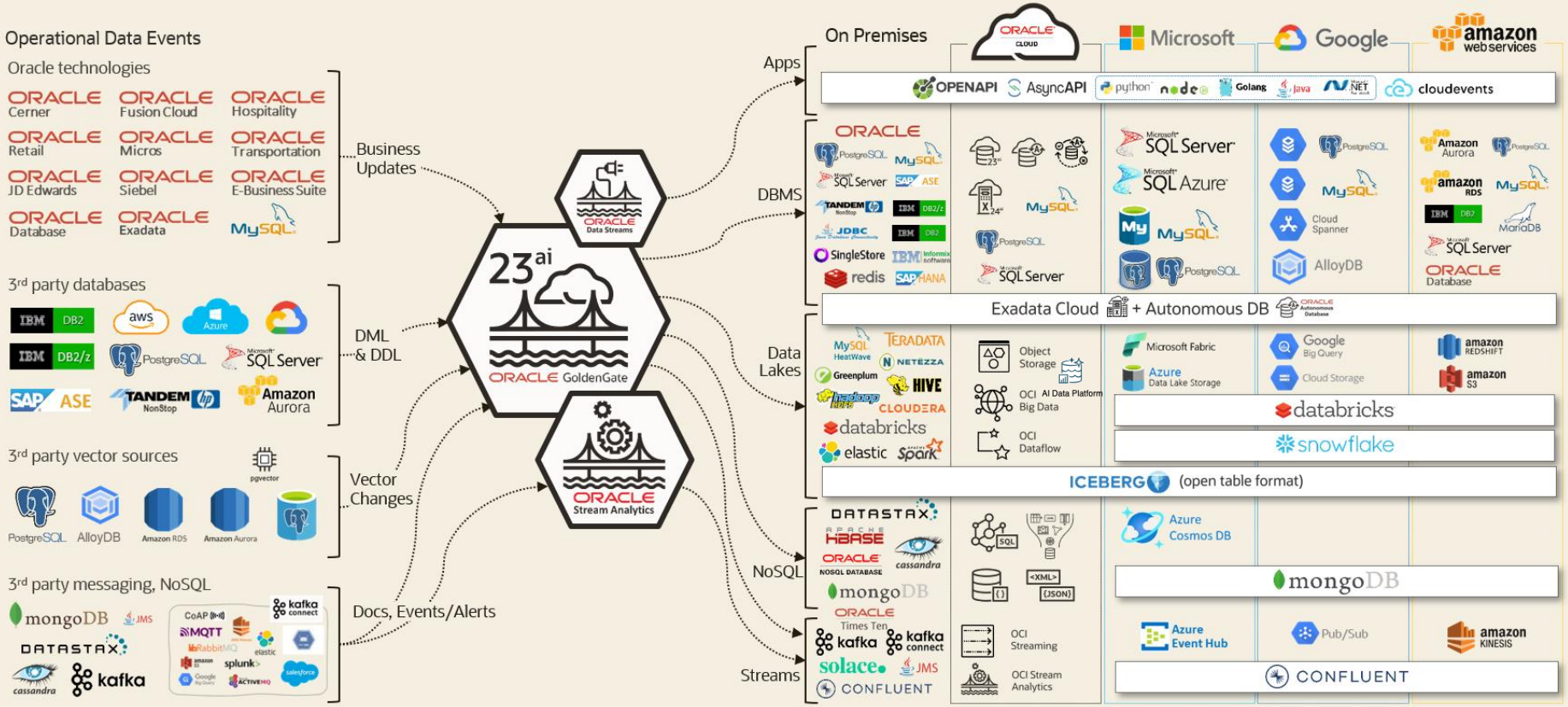
ORACLE

Unlocking AI’s full potential with GoldenGate

GoldenGate bridging the gap between operational systems and AI



Enterprises have thousands of data repositories from multiple vendors distributed across a multitude of on-prem data centers and clouds.

This can create AI deserts and AI silos.

GoldenGate helps companies move trusted data in real-time into their AI platforms.

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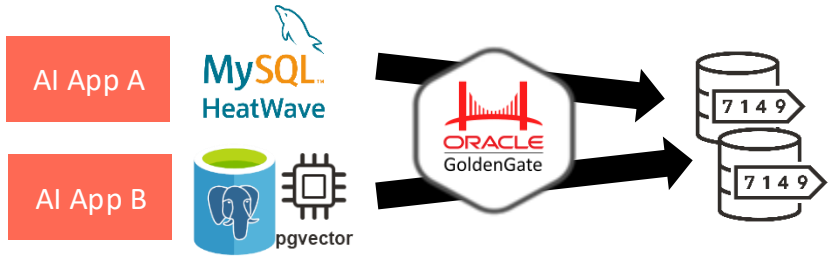
Using GoldenGate 23ai with vectors

Oracle Database | MySQL HeatWave | OCI Database with PostgreSQL | PostgreSQL | pgvector | AlloyDB | Amazon RDS | Amazon Aurora | elasticsearch | OpenSearch | snowflake | Oracle Cloud Infrastructure

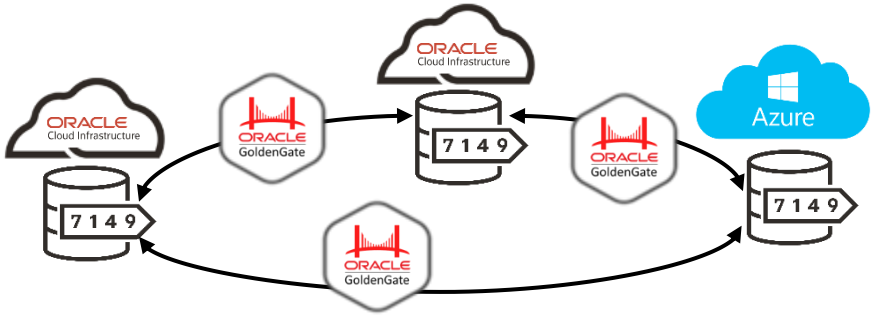
A. Migrate vectors into Oracle vector database

B. Replicate/consolidate vector changes

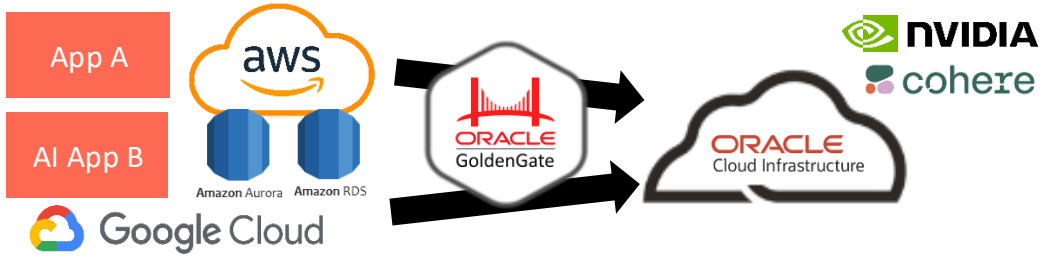


*Embedding models must be same across vector stores

C. Multi-cloud, multi-active Oracle vector database



D. Stream changes (text/vector) to search engines



*Embedding models must be same across vector stores

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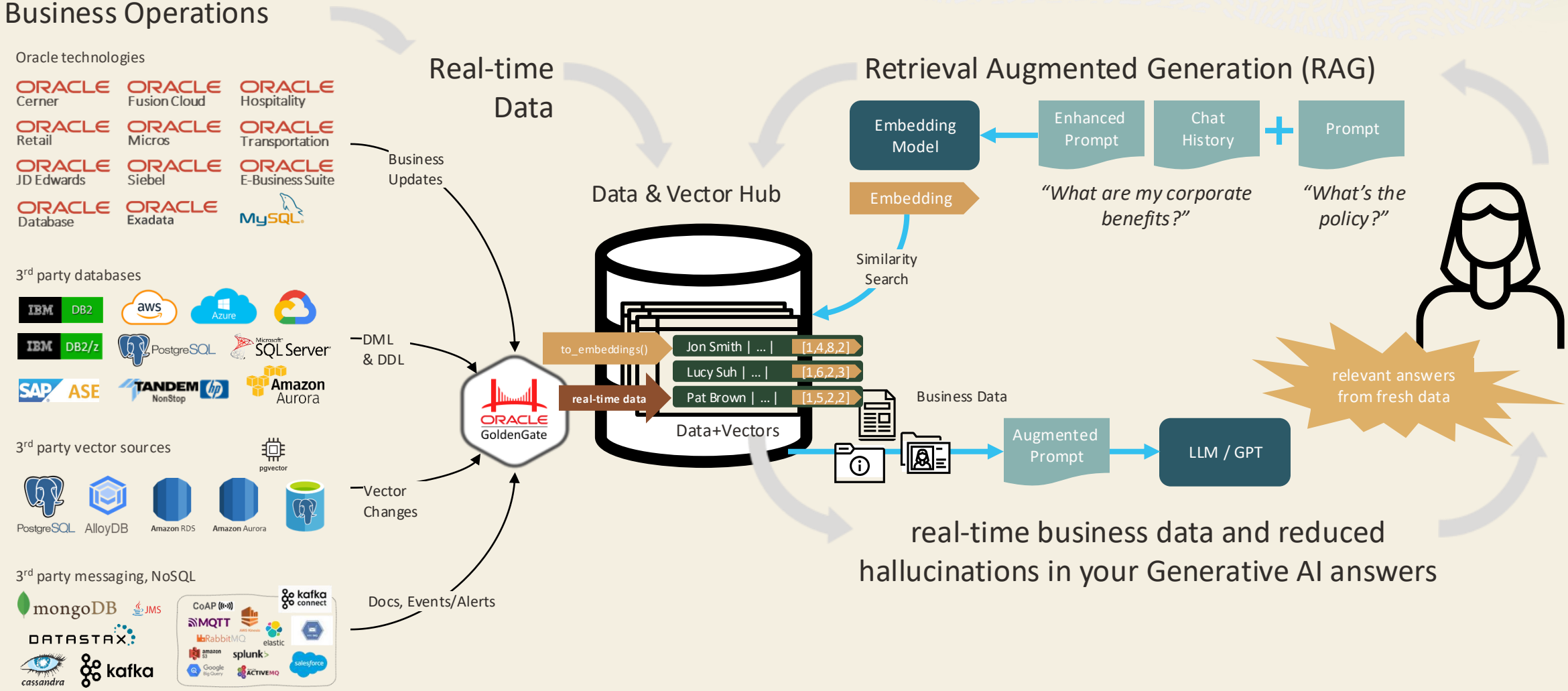
Relevant, fresh business data for AI applications with GoldenGate



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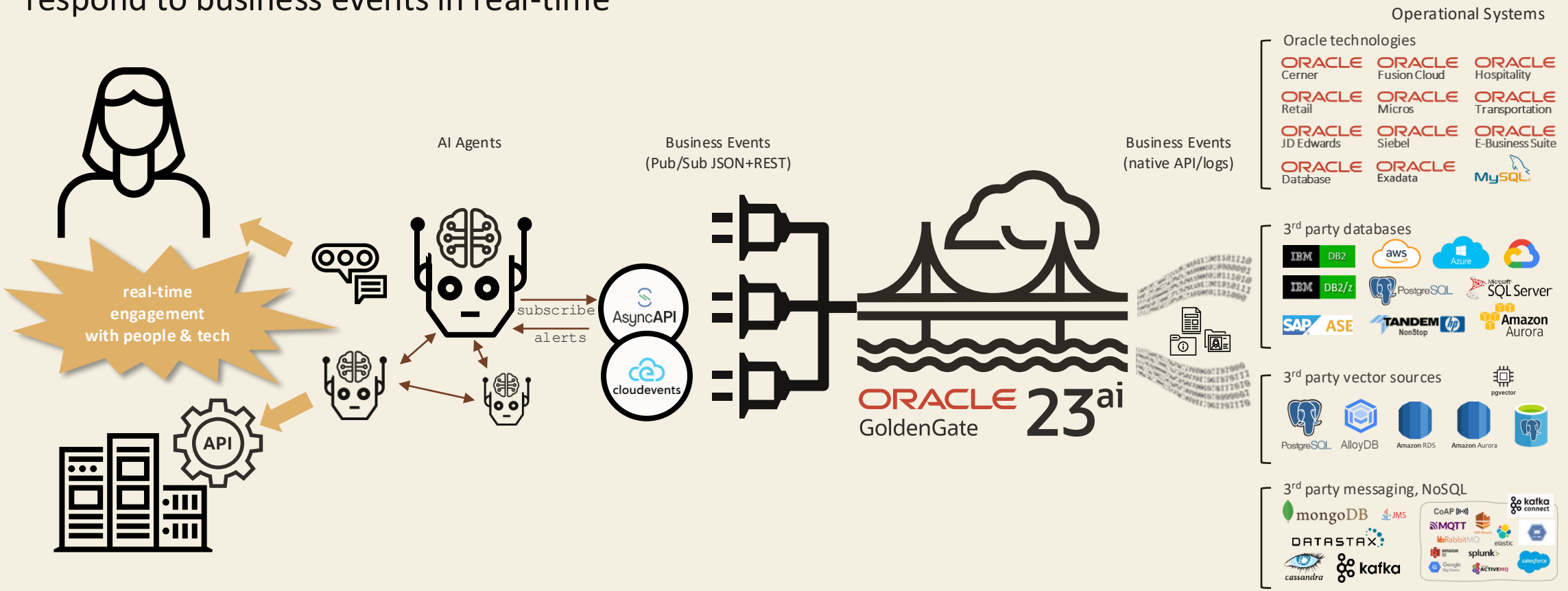
Agentic AI from business events with GoldenGate Data Streams

Plug-in GoldenGate Data Streams to an agentic mesh with AsyncAPI automations, creating a powerful framework for **reactive AI agents** to sense and respond to business events in real-time



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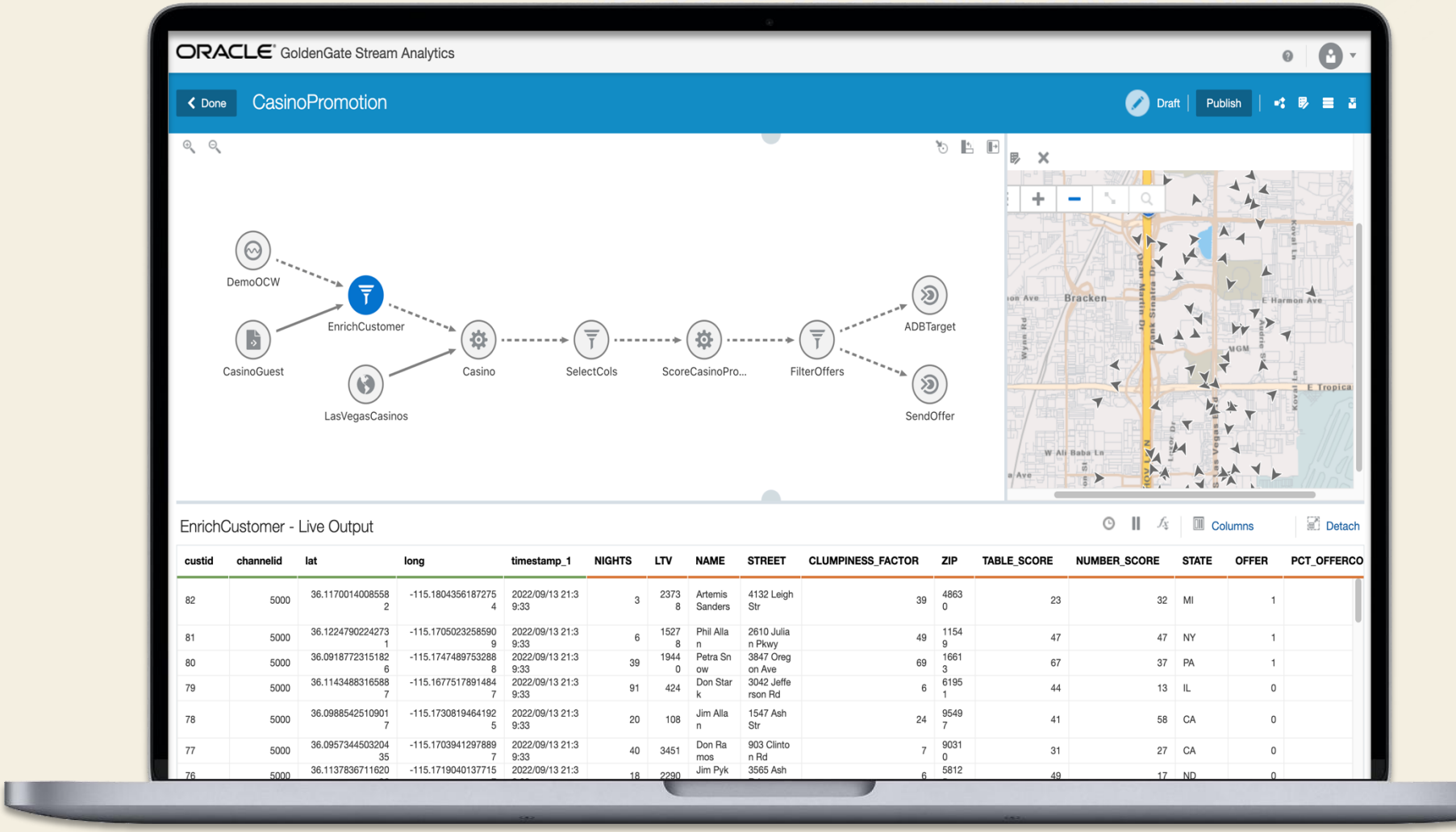
GoldenGate Stream Analytics for AI/ML

Microsecond data

Time-series and geospatial

Plug-in AI/ML as pipeline step

ONNX compatible



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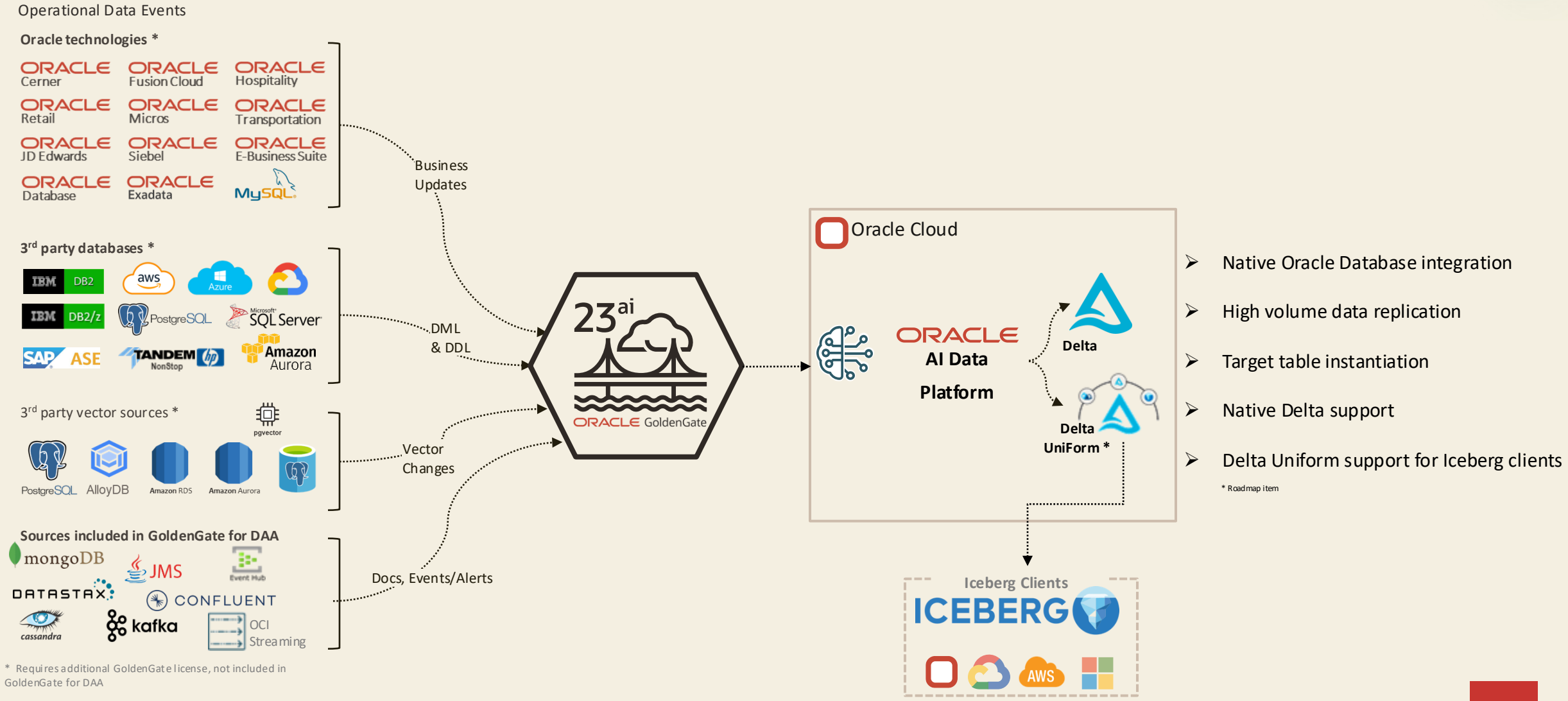
GoldenGate for DAA for Oracle AI Data Platform



- Native Oracle Database integration
- High volume data replication
- Target table instantiation
- Native Delta support
- Delta Uniform support for Iceberg clients

* Roadmap item

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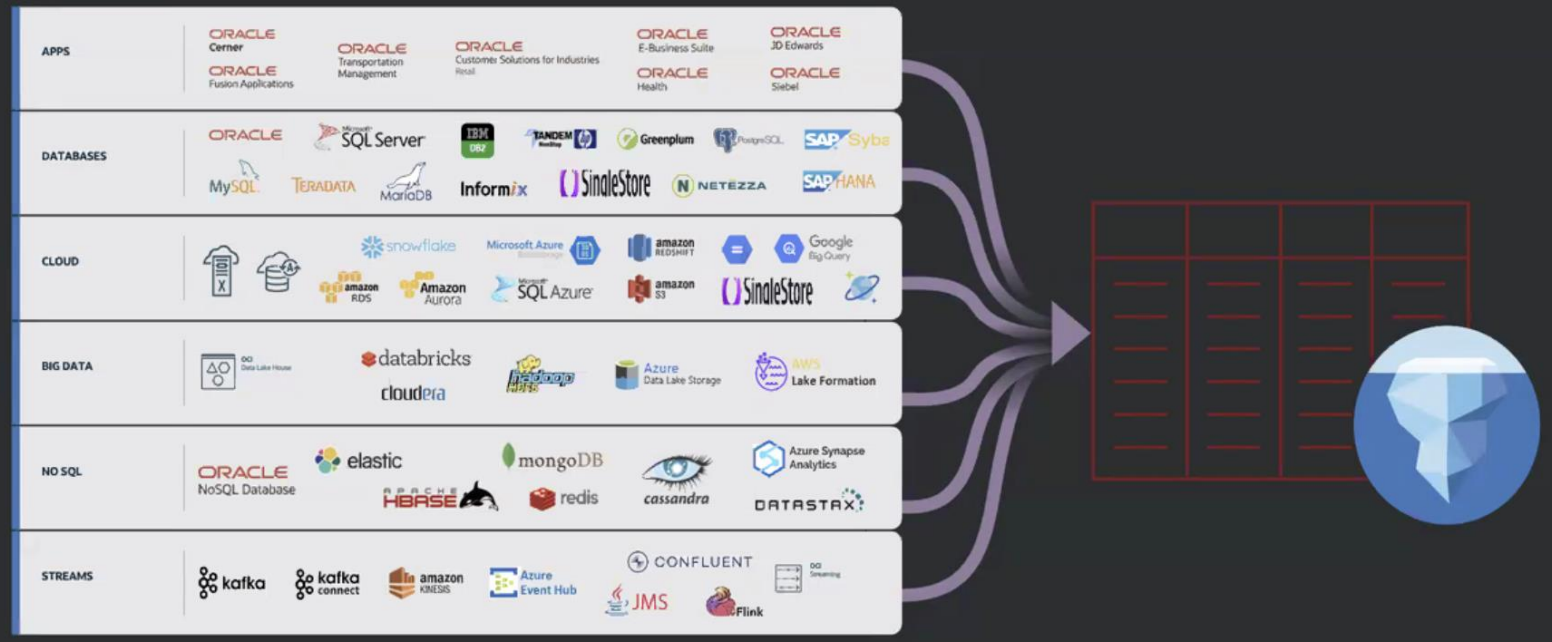
GoldenGate and Oracle ETL Supporting Iceberg

Data that is not in Iceberg can be easily moved to Iceberg



GoldenGate and Oracle ETL provide best-of-breed real-time data pipelines to Iceberg Tables from hundreds of **operational** and **analytical** data sources

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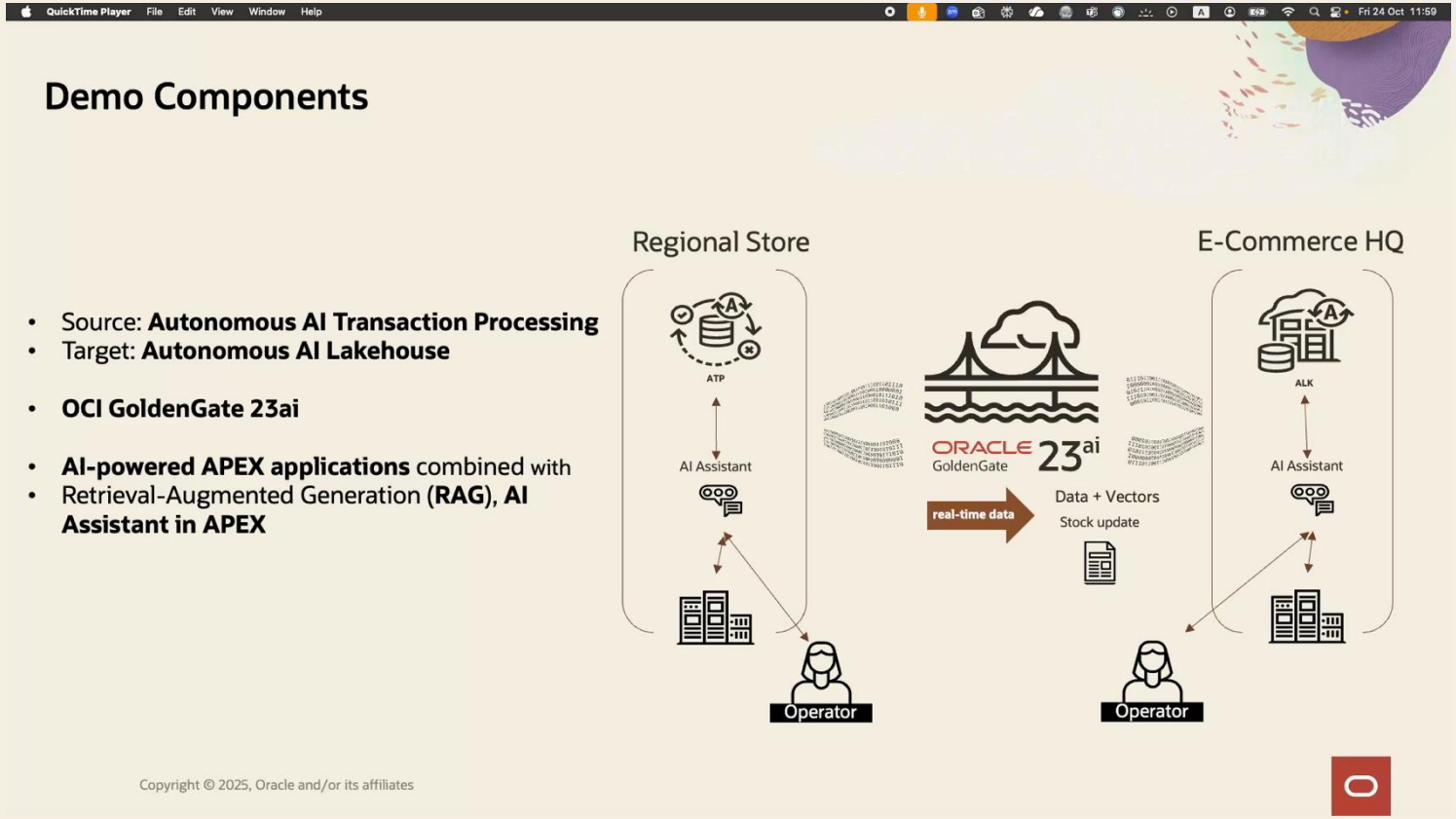
Real-time AI-augmented Inventory Management Demo



https://youtu.be/Z8NNtGPtlA4