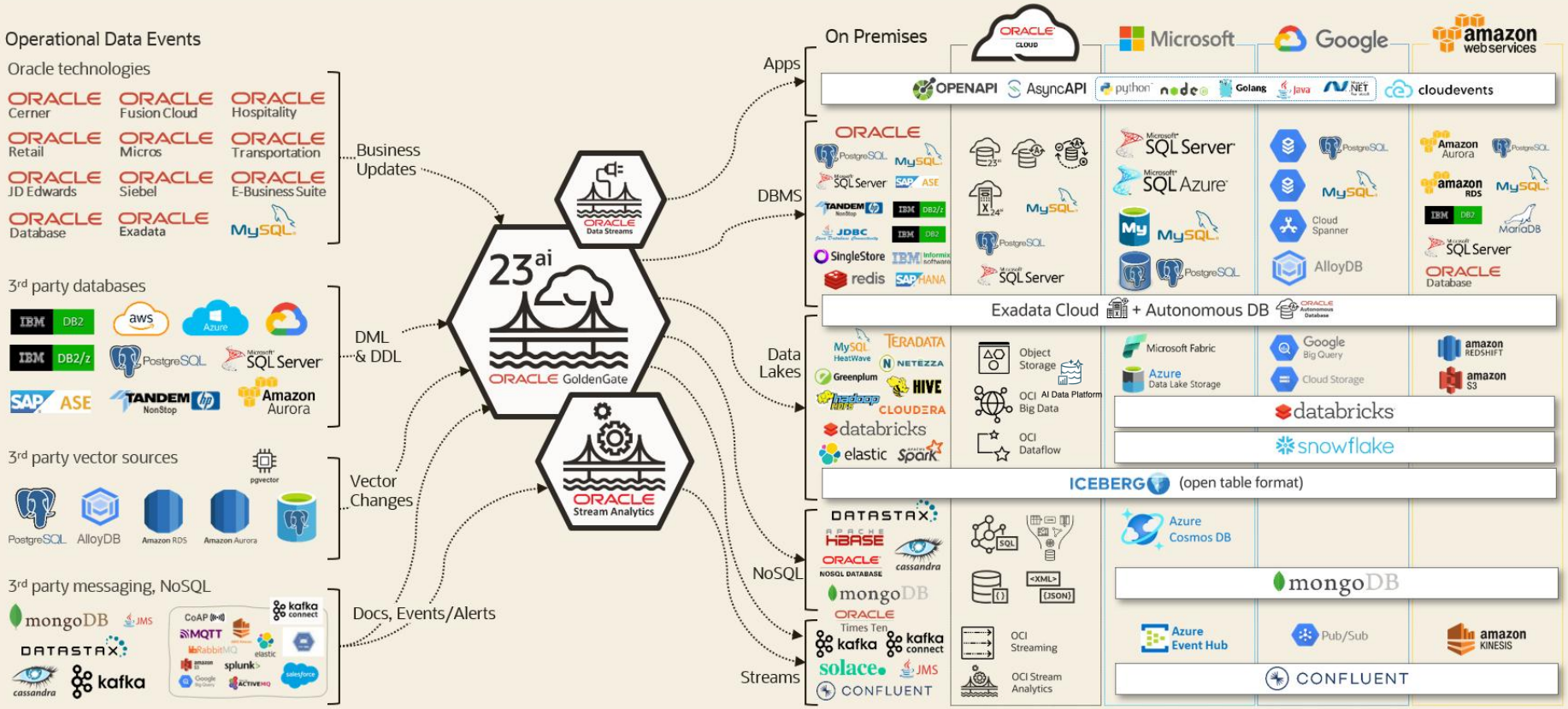
ORACLE

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.

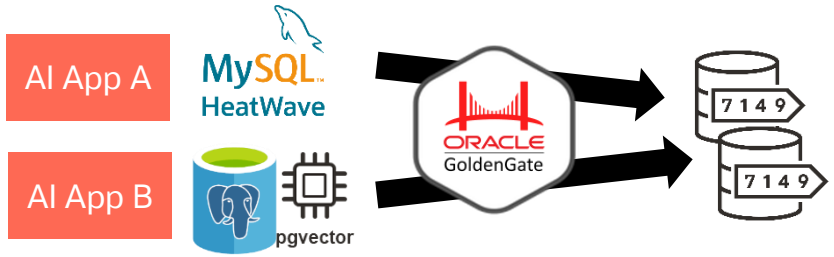
GoldenGate helps companies move trusted data in real-time into their AI platforms.

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

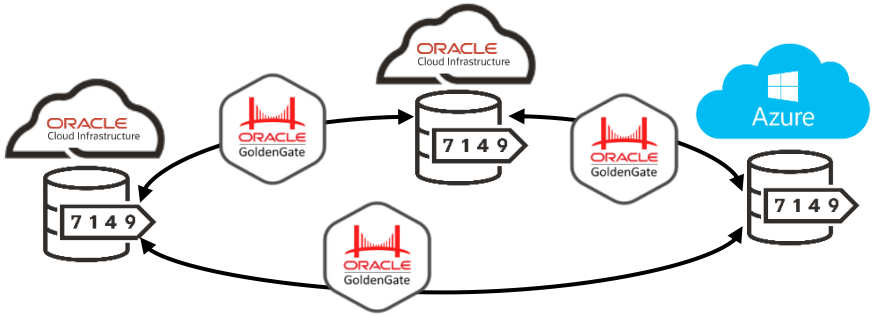
A. Migrate vectors into Oracle vector database

B. Replicate/consolidate vector changes

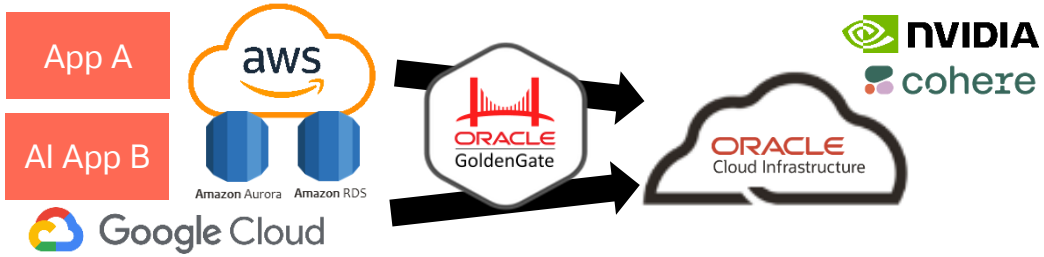


*Embedding models must be same across vector stores

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

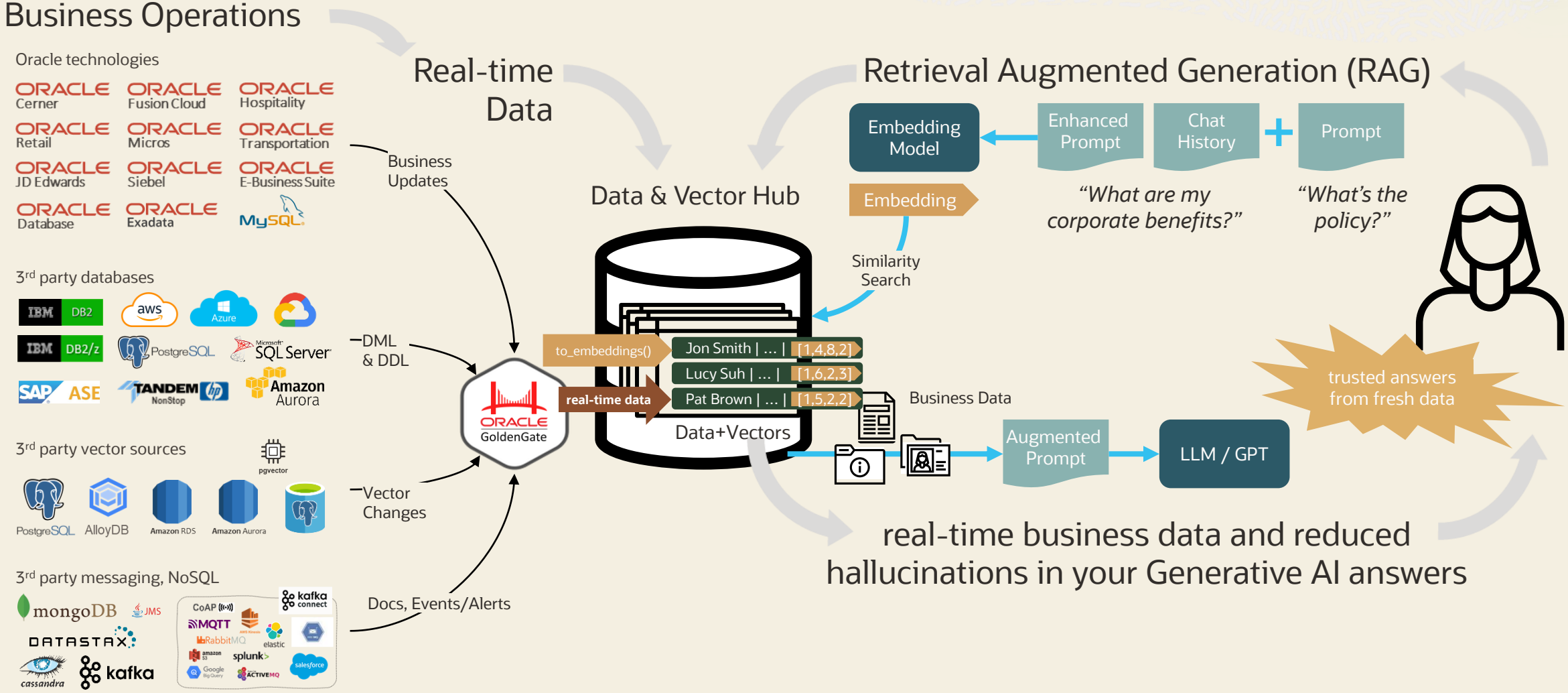


D. Stream changes (text/vector) to search engines



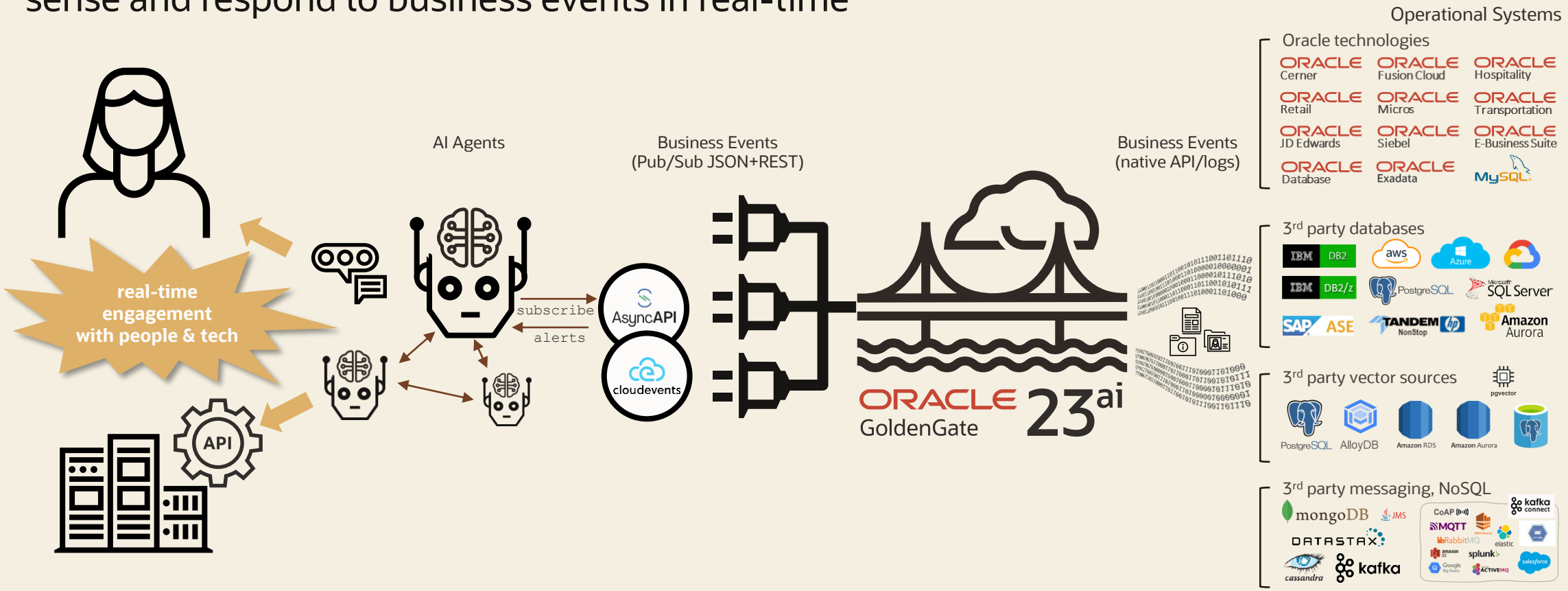
*Embedding models must be same across vector stores

Relevant, fresh business data for AI applications with GoldenGate



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



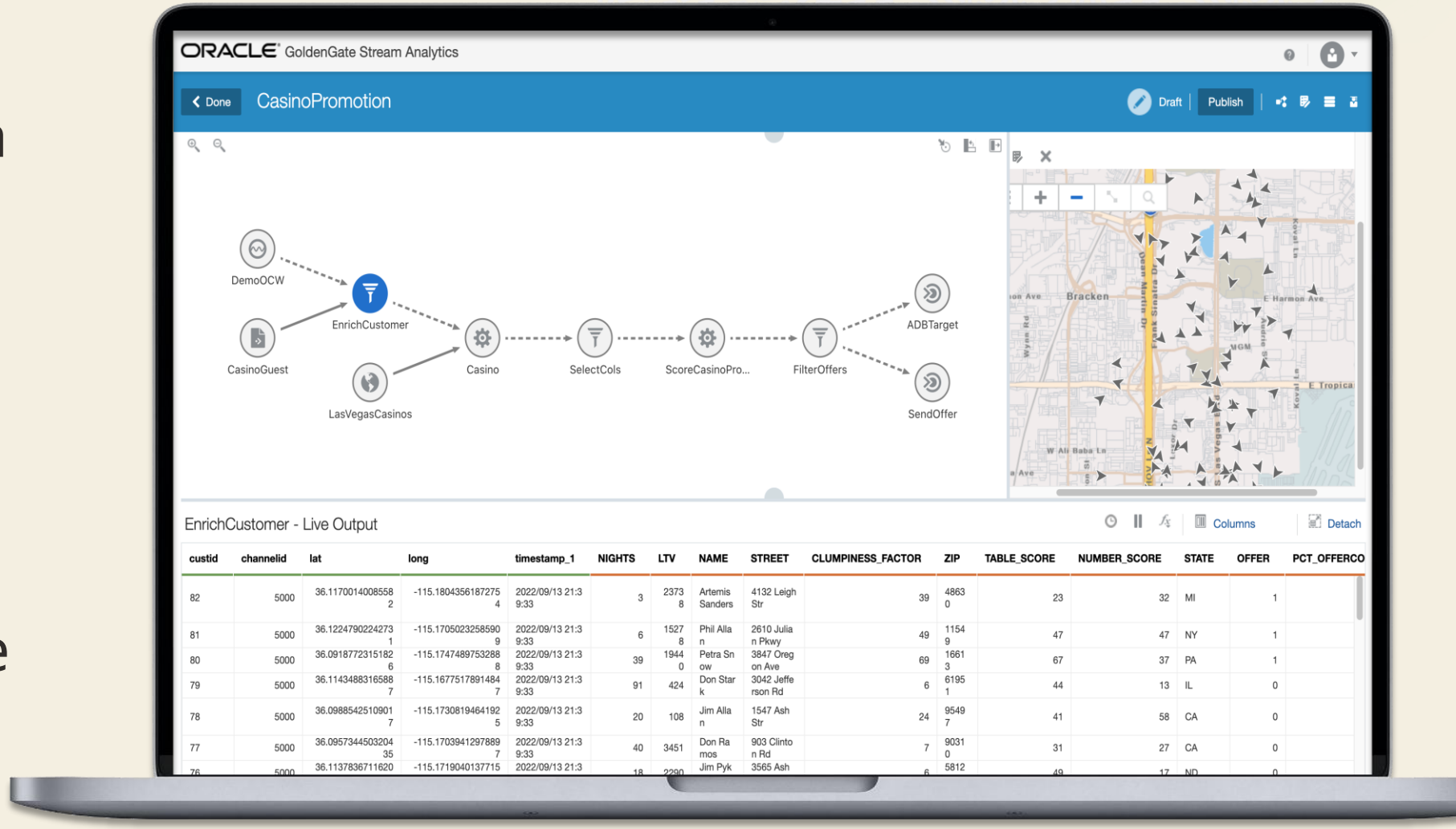
GoldenGate Stream Analytics for AI/ML

Microsecond data

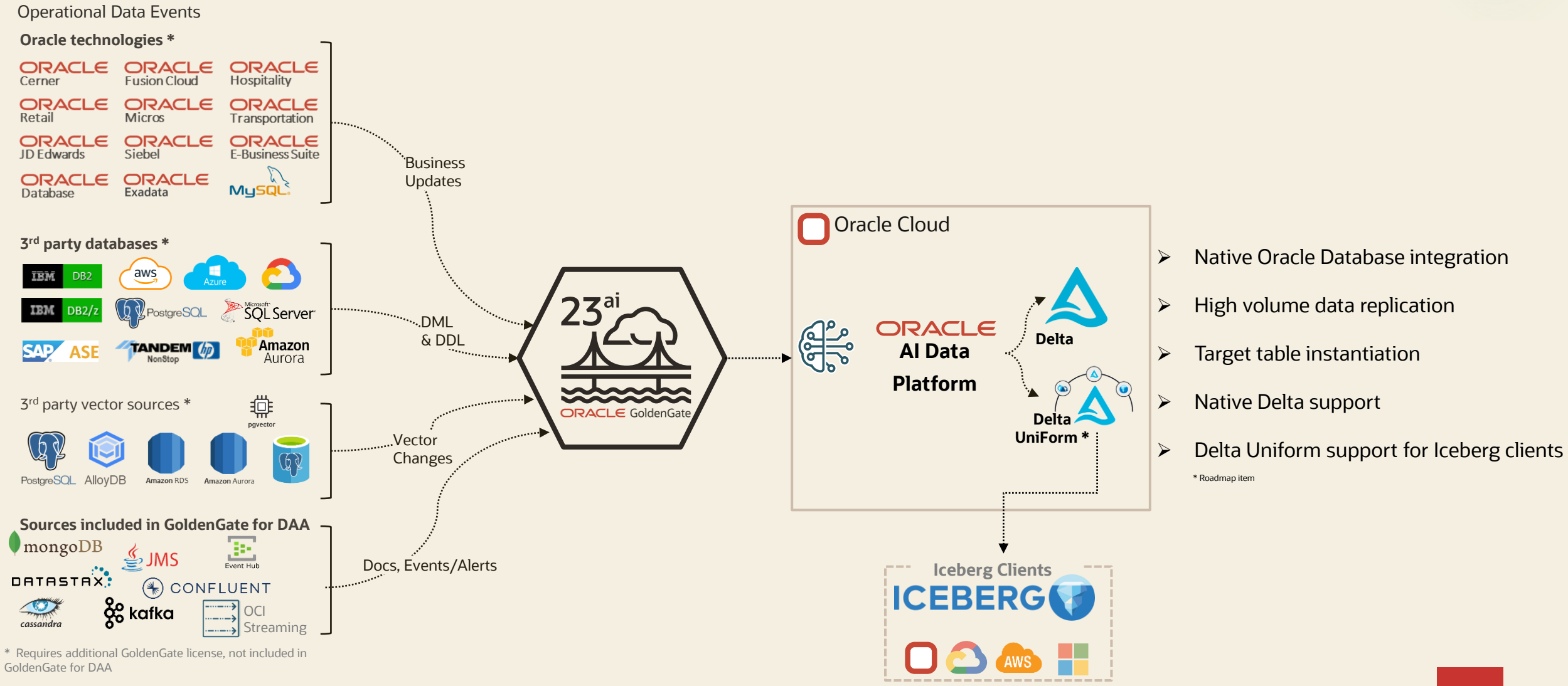
Time-series and geospatial

Plug-in AI/ML as pipeline step

ONNX compatible



GoldenGate for DAA for Oracle AI Data Platform



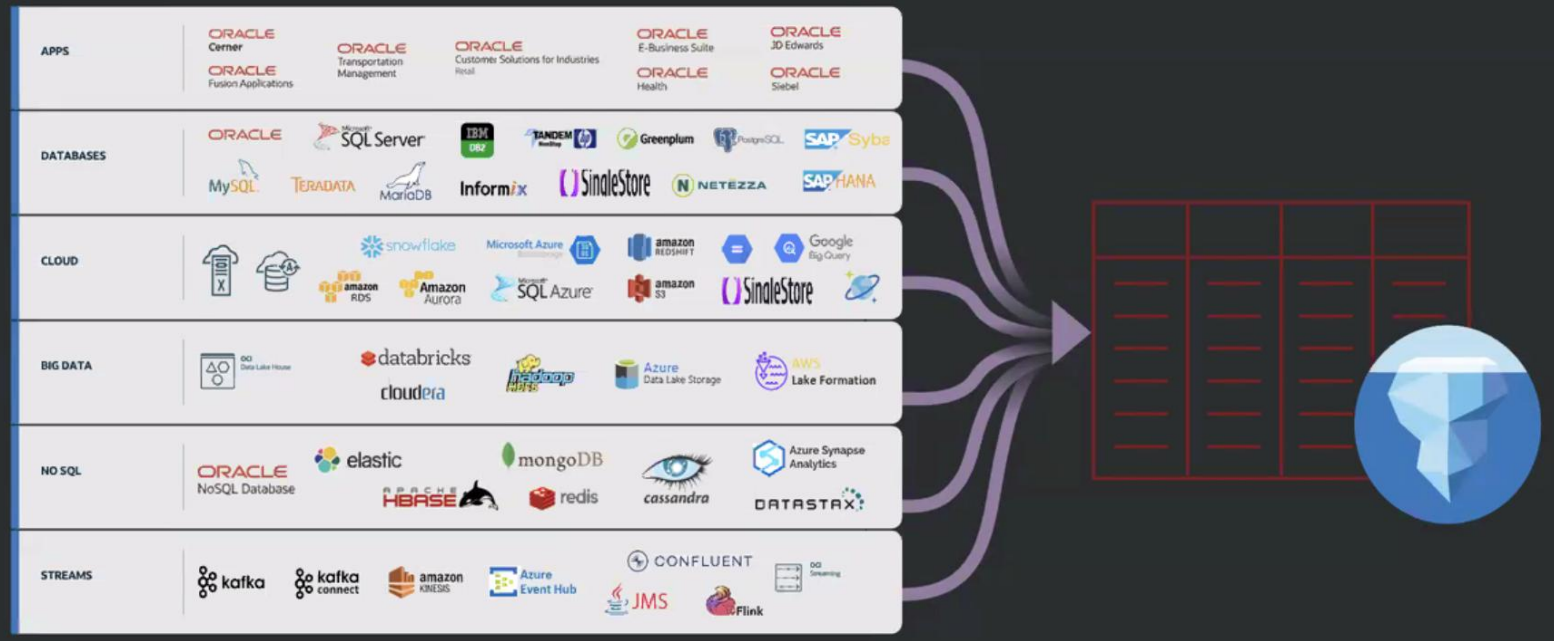
- Native Oracle Database integration
- High volume data replication
- Target table instantiation
- Native Delta support
- Delta Uniform support for Iceberg clients

* Roadmap item

* Requires additional GoldenGate license, not included in GoldenGate for DAA

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