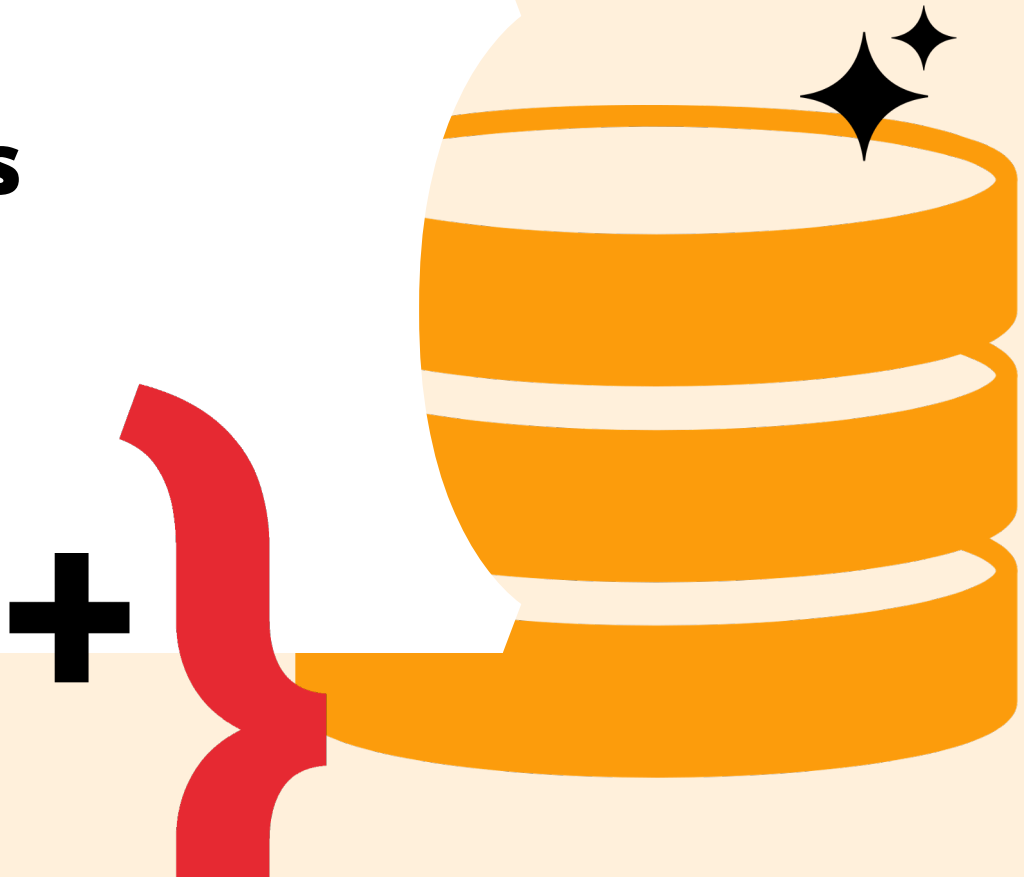
Couchbase

The Developer Data Platform for Critical Applications in Our AI World

Couchbase Services Overview



JUNE 2025

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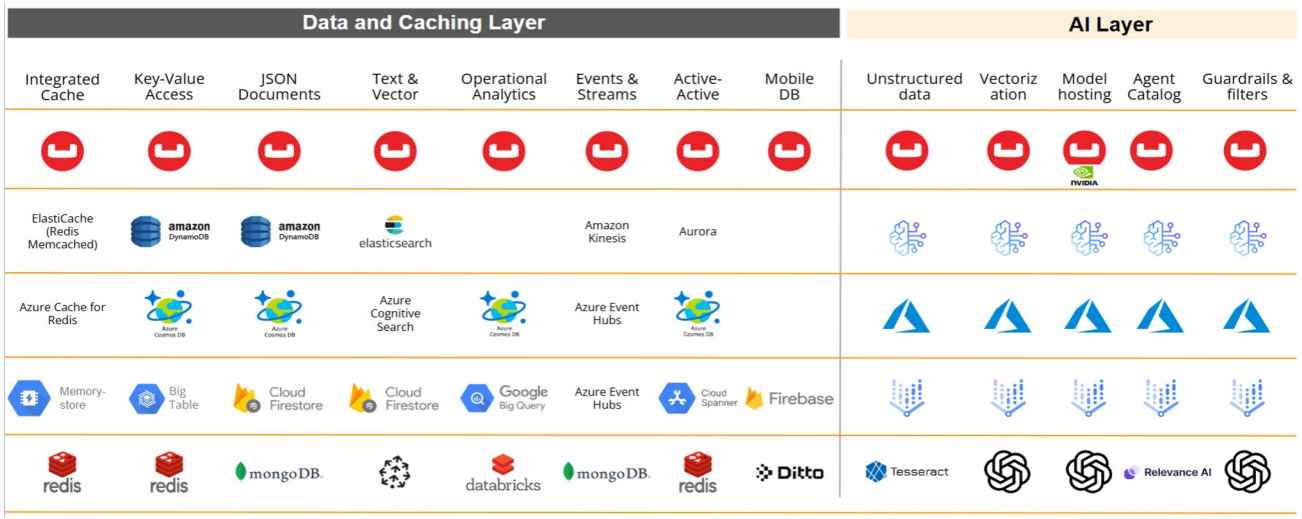
Couchbase vs. Others | Data, Caching and AI Layers



Couchbase Advantages

- Fewer data silos
- Less to integrate
- Less data synchronization
- Less data sync latency
- Less operational complexity
- Cloud / On-prem / Mobile
- Single query language
- One security model
- Capella iQ

For AI layer, capabilities above, plus:

- JSON throughout
- Vector at the Edge
- AI Functions
- Agent transaction logging
- Billion scale vector

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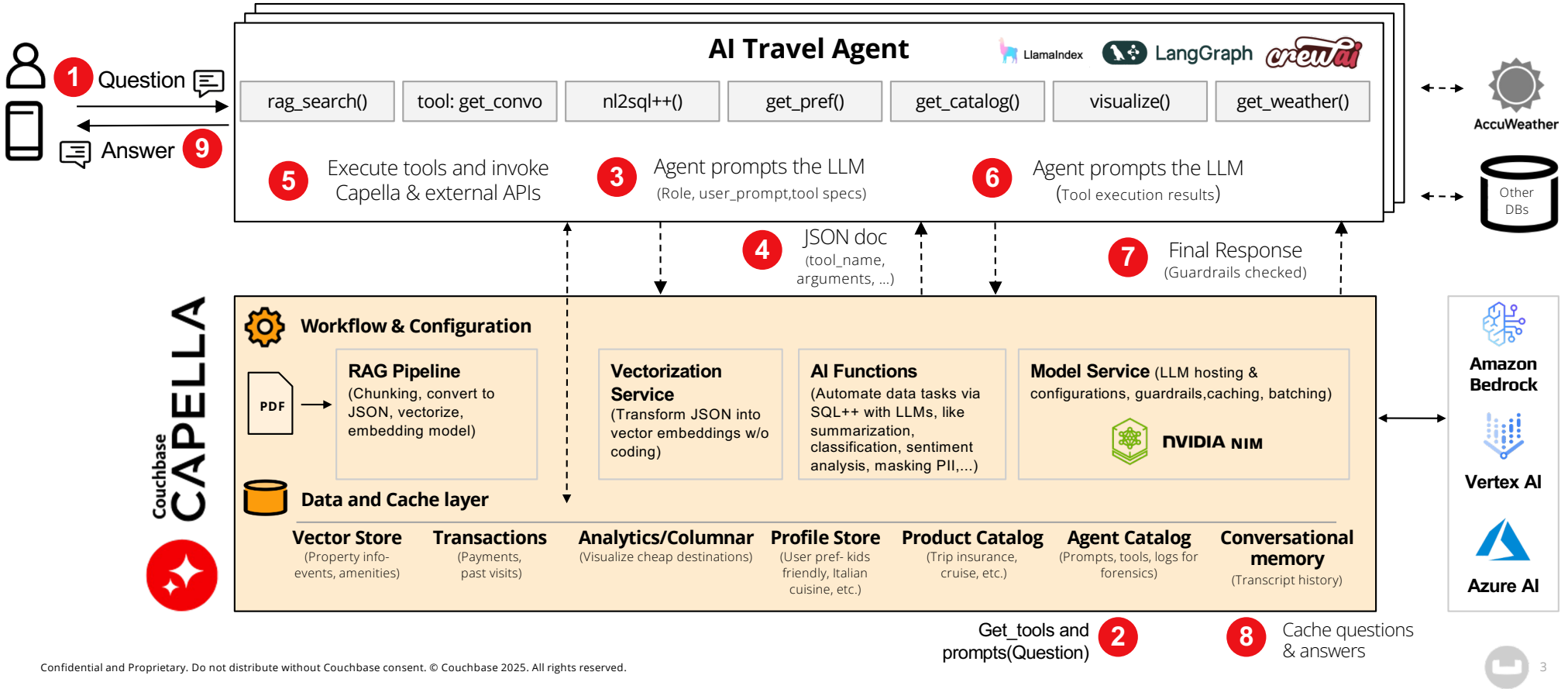
Let's Look at an Example | Agent Travel Orchestration



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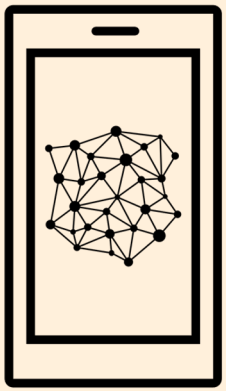
Need AI at the Edge?

Couchbase Lite is AI-Ready, even offline

Embedded database for mobile and IoT devices



PREDICTIVE QUERY API

Call optimized ML models to make predictions on Couchbase Lite data.

VECTOR SEARCH

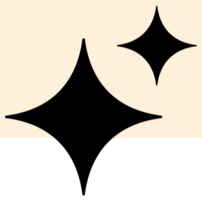
Similarity

Semantic search

Retrieval Augmented Generation

Hybrid-search (vector, FTS, GEO, range, predicate, etc.)

Offloading inference reducing costs and latency



Thank you!

Couchbase