Acumen Vega

AI & Data Acceleration on Google Cloud with BigLake & BigQuery with Iceberg

The Challenge

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The Solution

Acumen Vega enables Google Cloud customers to seamlessly automate data access using Iceberg under BigLake or BigQuery.

It unlocks valuable data by converting it into a unified format - using Iceberg, ensuring **"write once, read anywhere"** without expensive integration or transformation.

- ☑ Petabyte-scale performance – Write once, read many times.
- ☑ Instant AI-ready data – Direct access to structured & unstructured data from any source.
- ☑ 100x faster ML model training – Accelerate AI innovation with high-quality datasets.

Why Choose Acumen Vega?

- Optimized for Google Cloud – Seamless integration with BigQuery, BigLake, and GKE.
- Unmatched AI Readiness – Prepares multi-billion parameter foundation models effortlessly.
- Data-Centric AI Workflows – Eliminates complex ETL, speeding up AI-driven insights.
- ACID-Compliant & Interoperable – Ensures data integrity, versioning, and fine-grained access control.

Seamless Integration Across Platforms

- Connect to any data source – SQL Server, Postgres, Snowflake, and more.
- Effortless deployment & scaling – Runs on Google Kubernetes Engine (GKE).
- Real-time AI applications – Continuous, automated, and uninterrupted data flow.

Key Use Cases

- AI & ML Acceleration – Reduce ETL, remove data redundancy, and fast-track AI initiatives.
- Continuous Data Flow – One-time or automated petabyte-scale data ingestion.
- Advanced Data Governance – Full auditing, lineage tracking, and granular access control.
- Enterprise Interoperability – Share data securely across cloud & on-prem environments.

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