



*Jan '24 Product Launch*

# Delivering the Most Performant Vector Search with Zilliz Cloud

James Luan | Zilliz

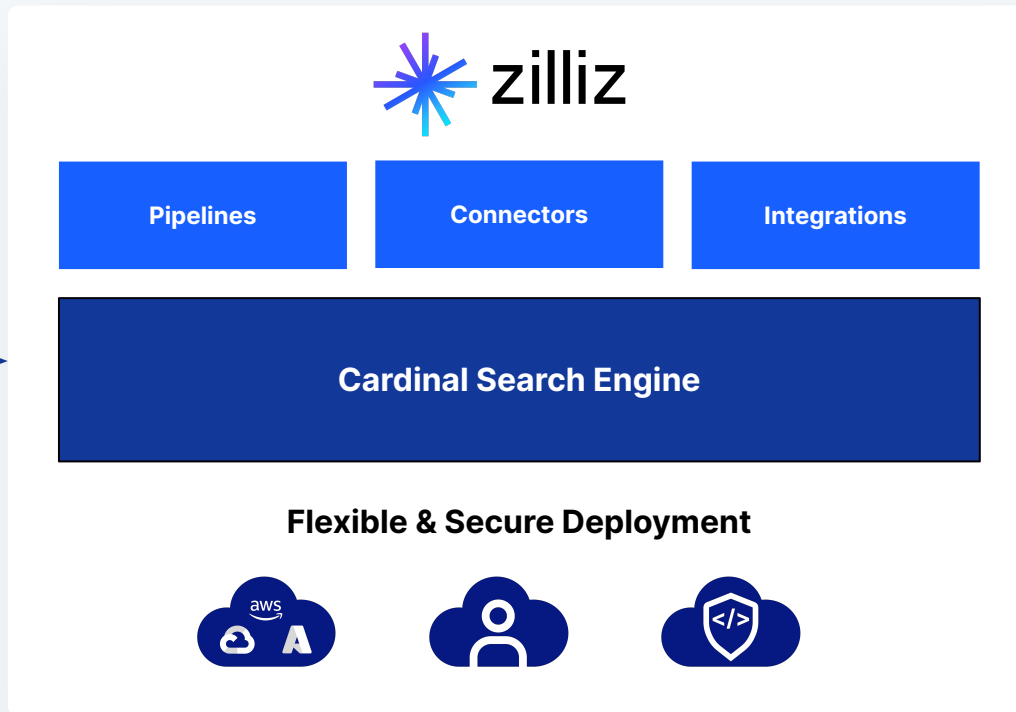


# Zilliz Cloud is much more than OSS Milvus

*Open Source*



Stable Milvus versions are continuously deployed to Zilliz Cloud



- A **streamlined** Unstructured Data Platform

- Milvus completely re-engineered to be **optimized**

- Enterprise features for **production-ready**

# Zilliz Cloud Q1 '24 Launch Highlights

Drive business impact through the most performant vector database



## Optimized Milvus

### Cardinal Search Engine

10x faster than Milvus, 50% more capacity than previous Zilliz Cloud Performance CU

### Milvus 2.3 GA in Zilliz Cloud

Feature Highlights:

- Cosine Metrics
- Range Search
- Upsert



## Built for Production

### Role-based access control

4 cluster roles for the data layer, alongside organizational and project roles, for granular permission controls

### Available on GCP Marketplace



## Streamline Unstructured Data

### Databricks Connector

Eliminate the need for custom code, enabling seamless data processing and indexing for unstructured data



databricks

**NEW**

# Cardinal Search Engine

*Fast. Versatile. Efficient.*

*Outperform Milvus with a **50%** capacity increase and a **10x** performance boost through engineering innovations in various vector search applications*



## Lightning-fast vector searches

through advanced algorithms, low-level kernel optimizations, and CPU metric analysis

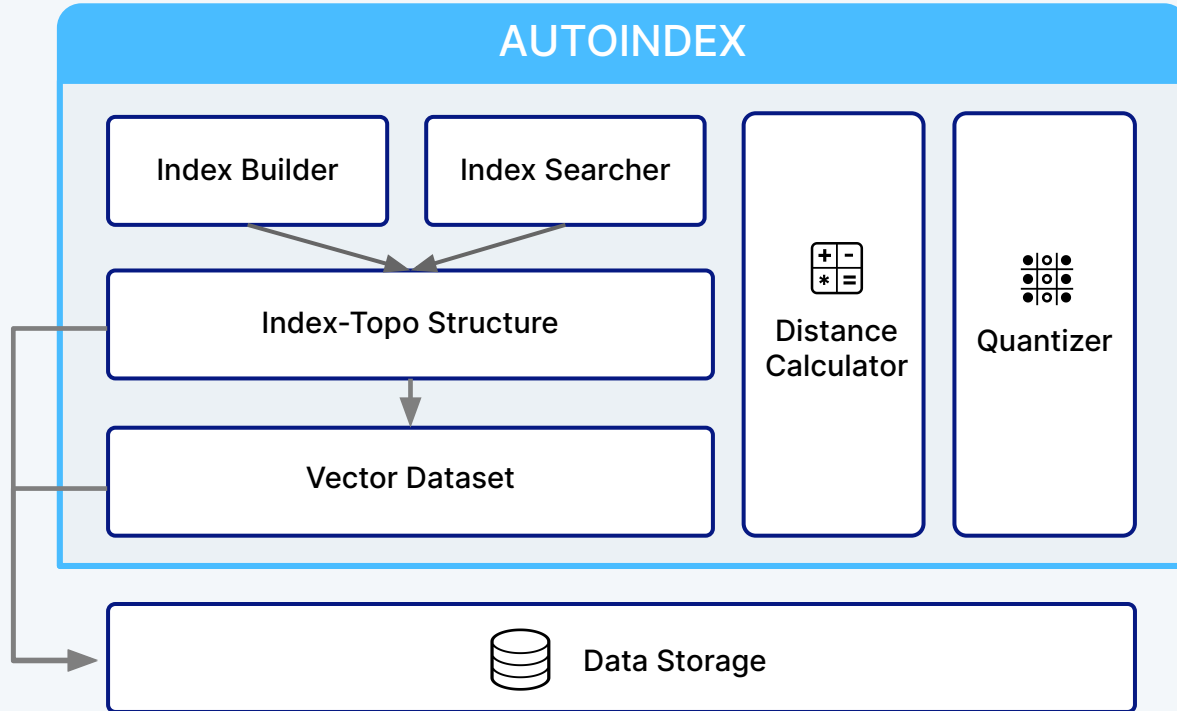


Supports **various data formats** and can work with in-memory or memory-mapped data



Dynamically selects the **best search strategy** for optimal performance based on dataset and hardware characteristics

# Cardinal Architecture

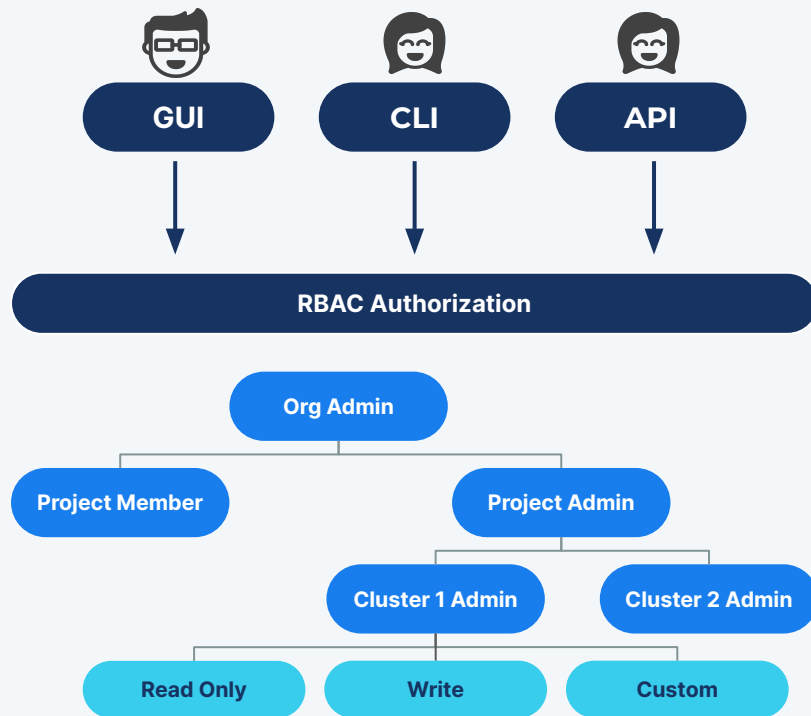




# Role-based Access Control

*Enable granular access controls to critical resources at scale*

- Granular permission controls with **2 organizational roles** and **2 project roles** at control layer, allowing precise access management within your organization
- Enhance security and data governance with **4 cluster roles** at data layer, providing finer-grained access control at the cluster level for improved access management



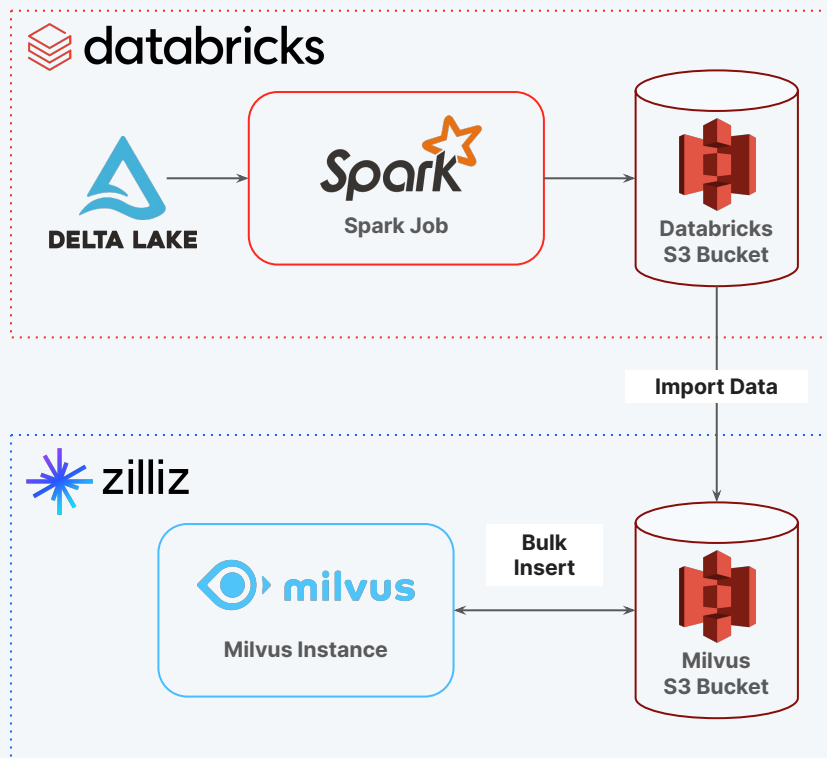
NEW



# Databricks Connector

*Simple. Powerful. Unified.*

*Easy data transformation and migration, supporting both streaming and batch, no custom code required*



# Q & A



# Drive business impact through the most performant vector database



## Optimized Milvus

### Cardinal Search Engine

10x faster than Milvus, 50% more capacity than previous Zilliz Cloud Performance CU

### Milvus 2.3 GA in Zilliz Cloud

Feature Highlights:

- Cosine Metrics
- Range Search
- Upsert



## Built for Production

### Role-based access control

4 cluster roles for the data layer, alongside organizational and project roles, for granular permission controls

### Available on GCP Marketplace



Google Cloud  
Platform Marketplace



## Streamline Unstructured Data

### Databricks Connector

Eliminate the need for custom code, enabling seamless data processing and indexing for unstructured data



databricks