

Breaking Data Silos

Real-Time Integration & AI Analytics Across Multicloud Environments

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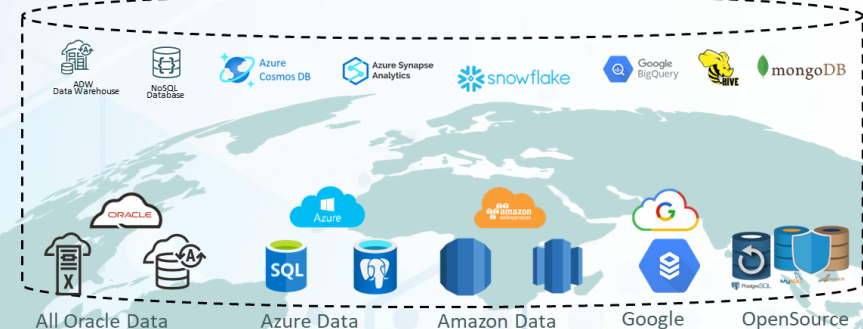
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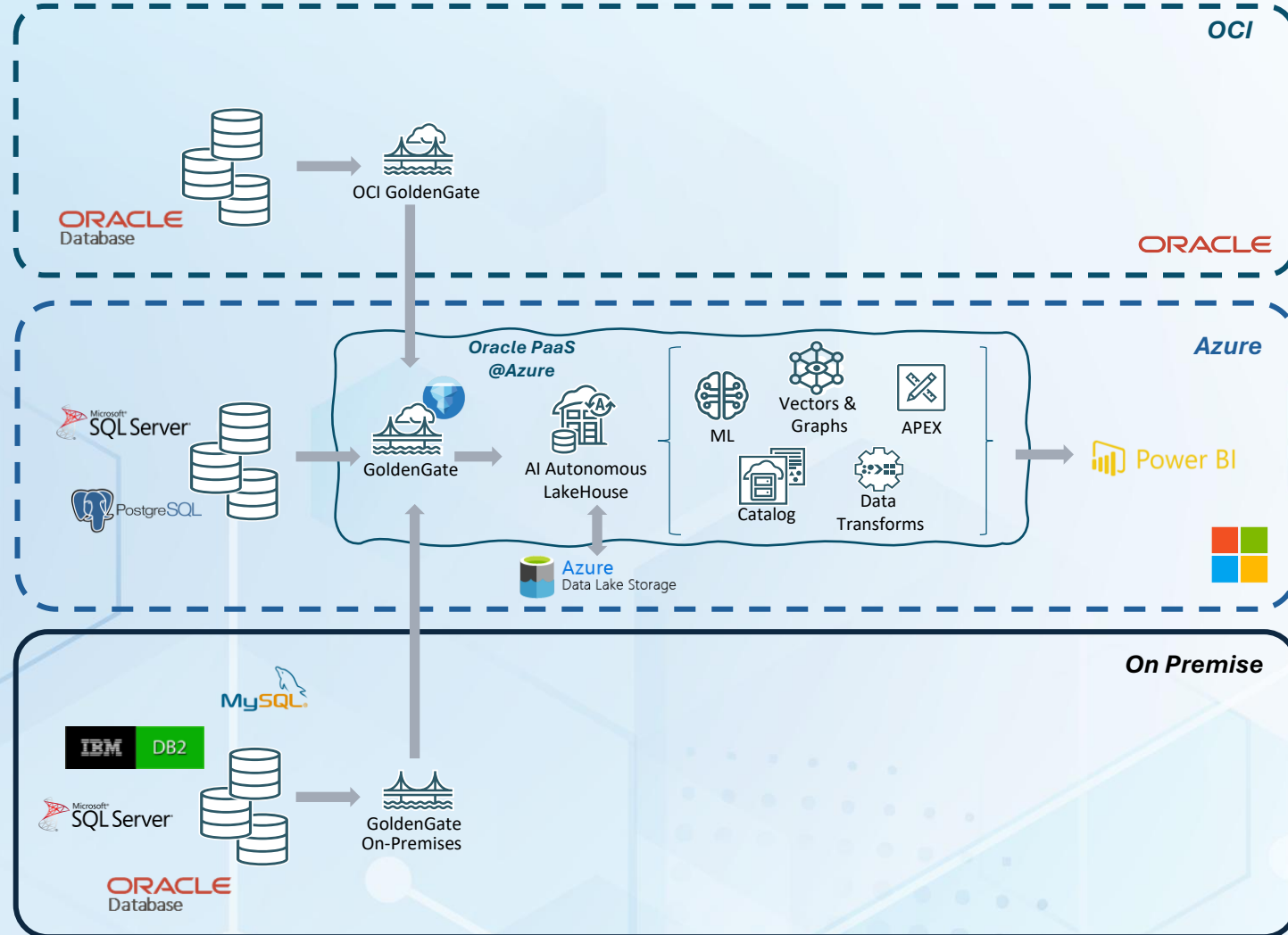
Customer Challenges

- *Highly distributed and heterogeneous data landscape across:*
 - *On-Premise (Oracle, SQL Server, DB2, MySQL)*
 - *OCI (Oracle Database)*
 - *Azure (SQL Server, PostgreSQL)*
- *Need for real-time data ingestion and synchronization across all environments*
- *Strategic requirement to build a modern AI-driven data platform on Azure (Primary hyperscaler)*
- *Demand for an enterprise-grade, unified data platform that combines:*
 - *real-time integration*
 - *scalable data lake*
 - *advanced analytics & AI*

- *Challenges in enabling:*
 - *advanced analytics (ML, graph, vector search)*
 - *data governance & cataloguing*
 - *fast data transformation pipelines*
- *Requirement to support business users with seamless BI access (Power BI)*
- *Need to avoid vendor lock-in while maintaining performance, scalability, and openness*



Multicloud Architecture Diagram



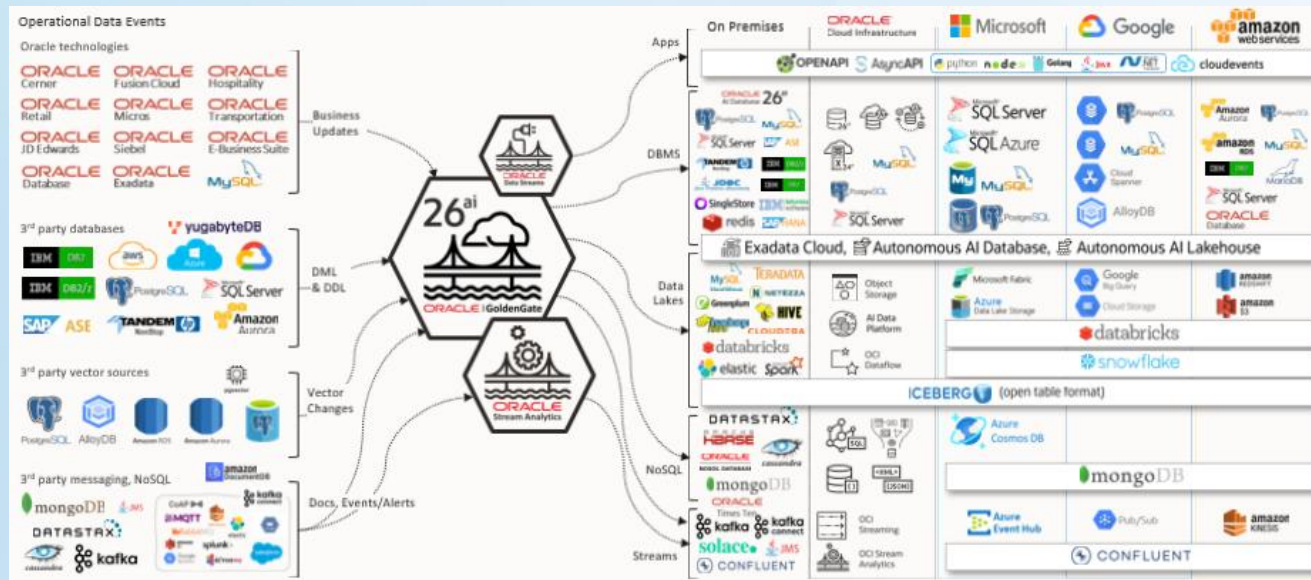
Architecture Principles

- *Multicloud by Design (Not by Exception)*
- *Data Gravity Respect with Distributed Ingestion*
- *Real-Time, Event-Driven Data Integration*
- *Centralized Data & AI Platform*
- *Open & Interoperable Data Architecture*
- *Integrated Data-to-AI-to-Application Stack*
- *Autonomous & PaaS Services First*
- *Scalability & Elasticity by Default*
- *Security, Governance & Enterprise Readiness*
- *Business Consumption Ready*

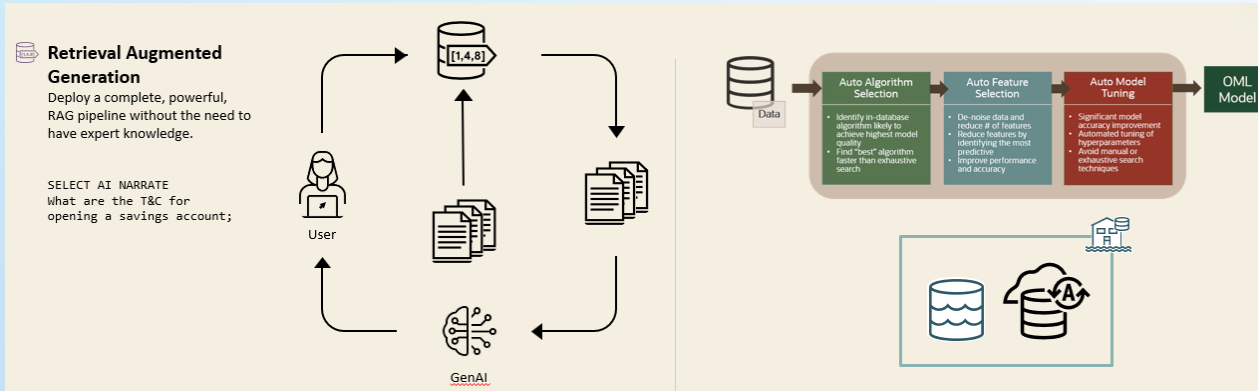
Key Multicloud Architecture Components - GoldenGate

Oracle GoldenGate delivers a complete Real-Time Data Integration Layer across platforms:

- Oracle GoldenGate deployed via Oracle Database Services @ Azure (DB@Azure) for Azure hosted data sources
- Oracle GoldenGate OCI Service for OCI hosted data sources
- Oracle GoldenGate hub on-premises for on-premises data sources
- Real-time data replication and streaming in Iceberg Format
- Supports low-latency, high-throughput data movement across environments
- Acts as the data ingestion backbone, ensuring continuous data flow into the lakehouse
- Distributed deployment model keeps data extraction close to the source systems



Key Mutlicloud Architecture Components – Autonomous Database



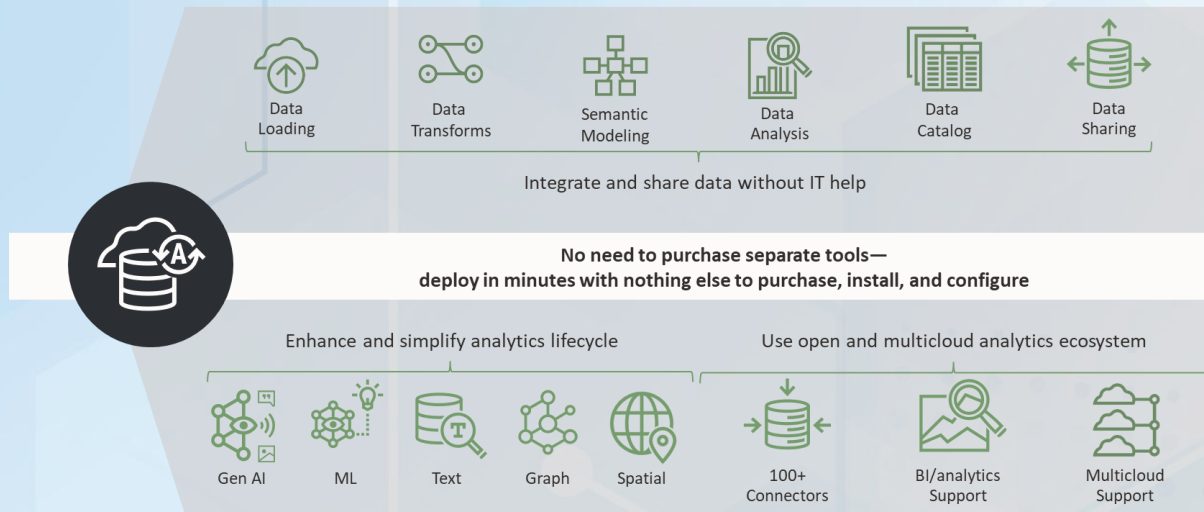
Oracle AI Autonomous Lakehouse @ Azure delivers a central platform for data storage, processing, analytics, and AI, tightly integrated with Azure Data Lake Storage (ADLS).

Core Capabilities:

- Unified lakehouse architecture combining data lake and data warehouse capabilities
- High-performance processing powered by Autonomous Database technologies
- Native integration with Azure ecosystem

Embedded Components:

- Machine Learning (ML)
- Built-in capabilities for predictive analytics and model execution directly on data
- Vectors & Graphs
- Select AI + GenAI capabilities
- Relationship analysis (graph analytics)
- Data Catalog - Centralized metadata management
- Data Transforms - Data preparation and transformation pipelines
- Oracle APEX (Low-Code Application Development) - Rapid development of data-driven applications directly on top of the lakehouse



Benefits for choosing Oracle Multicloud Solution

- *Unified, end-to-end data & AI platform:*
 - *ingestion → lakehouse → AI → applications → BI*
- *Real-time data integration across OCI, Azure, and On-Premise*
- *AI-ready architecture with built-in:*
 - *ML*
 - *vector search*
 - *graph analytics*
- *Seamless multicloud deployment*
 - *Oracle services running natively on Azure*
 - *Best-of-breed architecture across hyperscalers*
- *Open and flexible data platform*
 - *Integration with Azure Data Lake*
 - *Reduced risk of vendor lock-in*
- *High-performance analytics powered by Autonomous capabilities*
- *Faster innovation cycles*
- *Enterprise-grade reliability*
- *Scalability & elasticity*
- *Optimized Total Cost of Ownership (TCO)*
- *Business-ready insights*

With Intrtrust

- *Proven Expertise in Oracle Data Integration*
Deep hands-on experience in delivering enterprise-grade data integration projects leveraging Oracle GoldenGate technologies across complex and mission-critical environments.
- *Strategic Partnership with Oracle*
Strong collaboration with Oracle, combining technology leadership with implementation excellence to deliver scalable, secure, and future-ready architectures.
- *Real-Time Data Enablement*
Extensive expertise in real-time replication, zero/low-downtime migration, synchronization, and high-availability data architectures.
- *Business-Driven Approach*
We do not only implement technology — we connect data integration initiatives with measurable business outcomes, operational efficiency, governance, and transformation objectives.
- *Enterprise Transformation Experience*
Proven capability to support organizations in complex digital transformation programs involving hybrid and multicloud environments.
- *Trusted Delivery & Operational Excellence*
Strong focus on execution, governance, reliability, and long-term customer success, ensuring sustainable adoption and high-performance operations.
- *End-to-End Advisory & Implementation*
From architecture assessment and strategy to implementation, optimization, and operational support.

Thank You

Questions & Answers

ORACLE

Partner