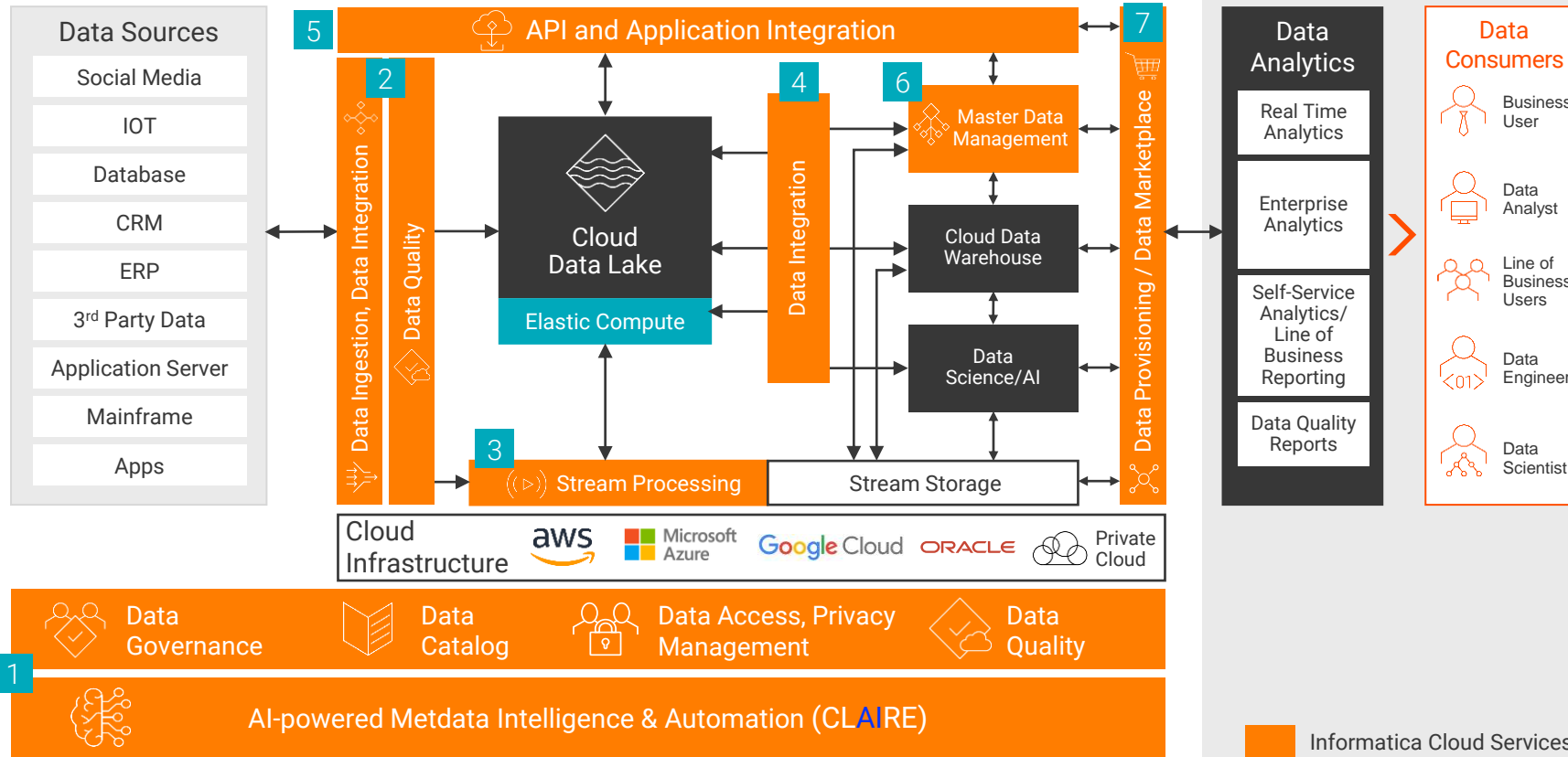


Reference Architecture

Cloud Data Management Platform Architecture

Modern cloud-native end to end data management architecture enables organizations to control business data, both in the cloud and in a combination of on-premises and cloud applications using Informatica Data Management Cloud.

Informatica Intelligent Data Management Cloud



- 1 Data Governance, Data Catalog, Data Access, Privacy Management, Data Quality**— Modern data architecture must include capabilities to discover, govern, protect and secure data while leveraging AI and machine-learning engine (CLAIRE) built on a layer of common enterprise metadata. The data catalog discovers, indexes, and curates all enterprise data while maintaining quality through out data management processes.
- 2 Data Ingestion, Data Integration, Data Quality**—Ingest any data, at any speed using scalable streaming, file, database and application with comprehensive and high-performance connectivity for batch or real-time data in cloud data lake.
- 3 Stream Processing**—Query and process continuous data stream and detect conditions in real-time data can be enriched with other data from the enterprise, i.e., data warehouse, master data, or events that invoke machine learning algorithms, workflows, and alerts in real time.
- 4 Data Integration** —Curated data gets provisioned as needed for data science/AI projects or integrated for cloud data warehousing.
- 5 API and App Integration**—Connect to various applications and automate end-to-end business processes through API management.
- 6 MDM/360 Applications**—Innovate with 360 views of business data domains and trusted intelligent insights.
- 7 Data Provisioning, Data Marketplace**— Master and Analytical data gets provisioned and gets shared through Informatica Data Marketplace to various data consumers.

- Data Consumers**
- Business User
 - Data Analyst
 - Line of Business Users
 - Data Engineer
 - Data Scientist

Informatica Cloud Services