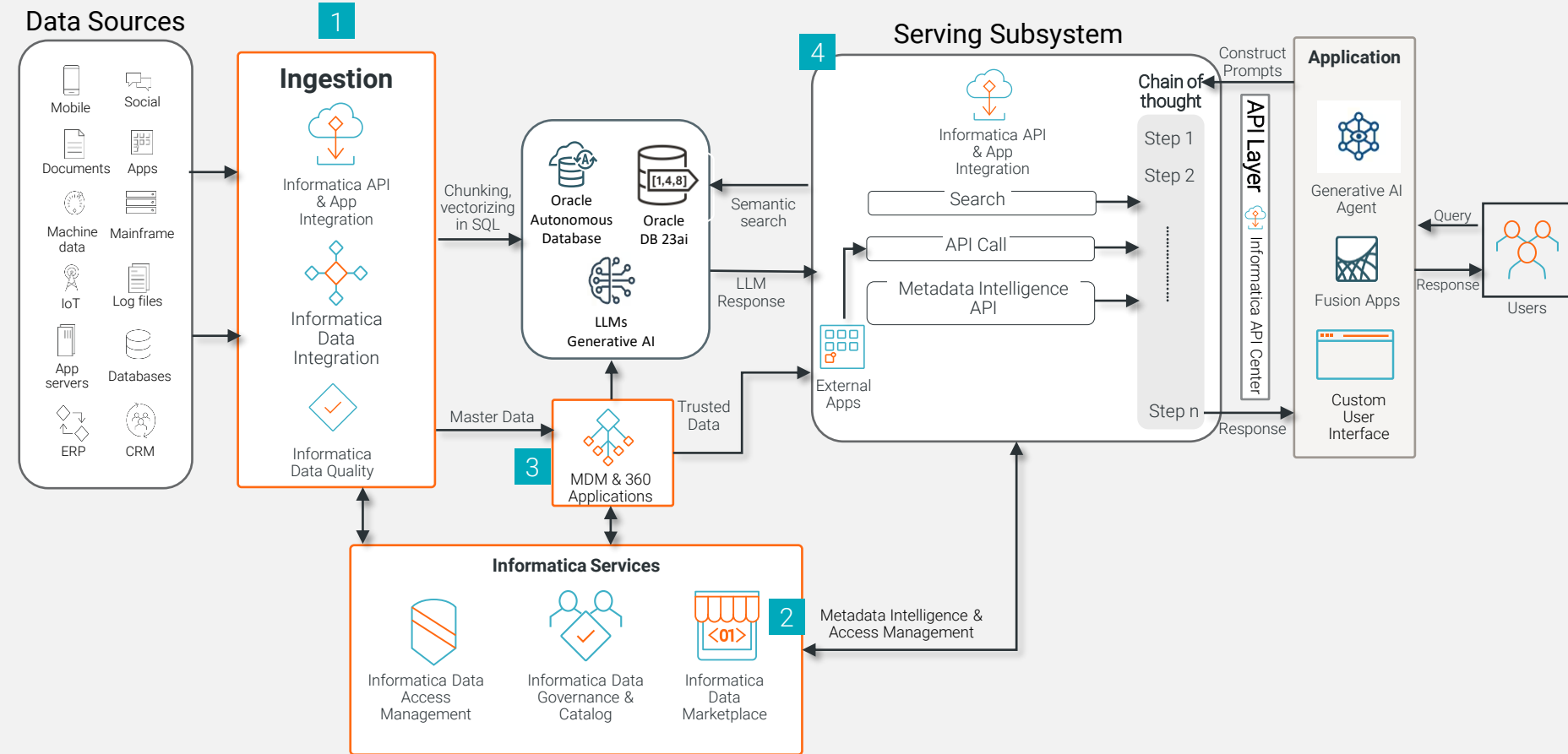


Reference Architecture

GenAI Blueprint for Oracle Cloud

Retrieval Augmented Generation Framework for GenAI with Informatica on Oracle Cloud



- 1 Ingestion** –Data is ingested from various sources into IDMC. Once ingested, chunking and vectorizing are performed within the database using Oracle’s GenAI SQL statements.
- 2 Metadata Intelligence & Access Management** – Data governance, catalog, access management, and marketplace enhance Generative AI by ensuring high-quality, well-managed data with secure, role-specific access and rich metadata, boosting both the precision and innovation of retrieval-augmented generation models.
- 3 Master Data** – Master data is also being provides **Trusted Data** using Informatica’s Master Data Management (MDM), which is a solution that assists organizations in consolidating and maintaining a single, accurate record of their data.
- 4 Serving Subsystem** –The serving subsystem has been built using Informatica API and Application Integration (CAI). Here, the chain of thought is constructed by CAI through API calls to external systems for metadata or Master data.
- 5 Frontend**– This can be a custom User Interface or existing applications. When the user inputs a query, it initiates the RAG chain.