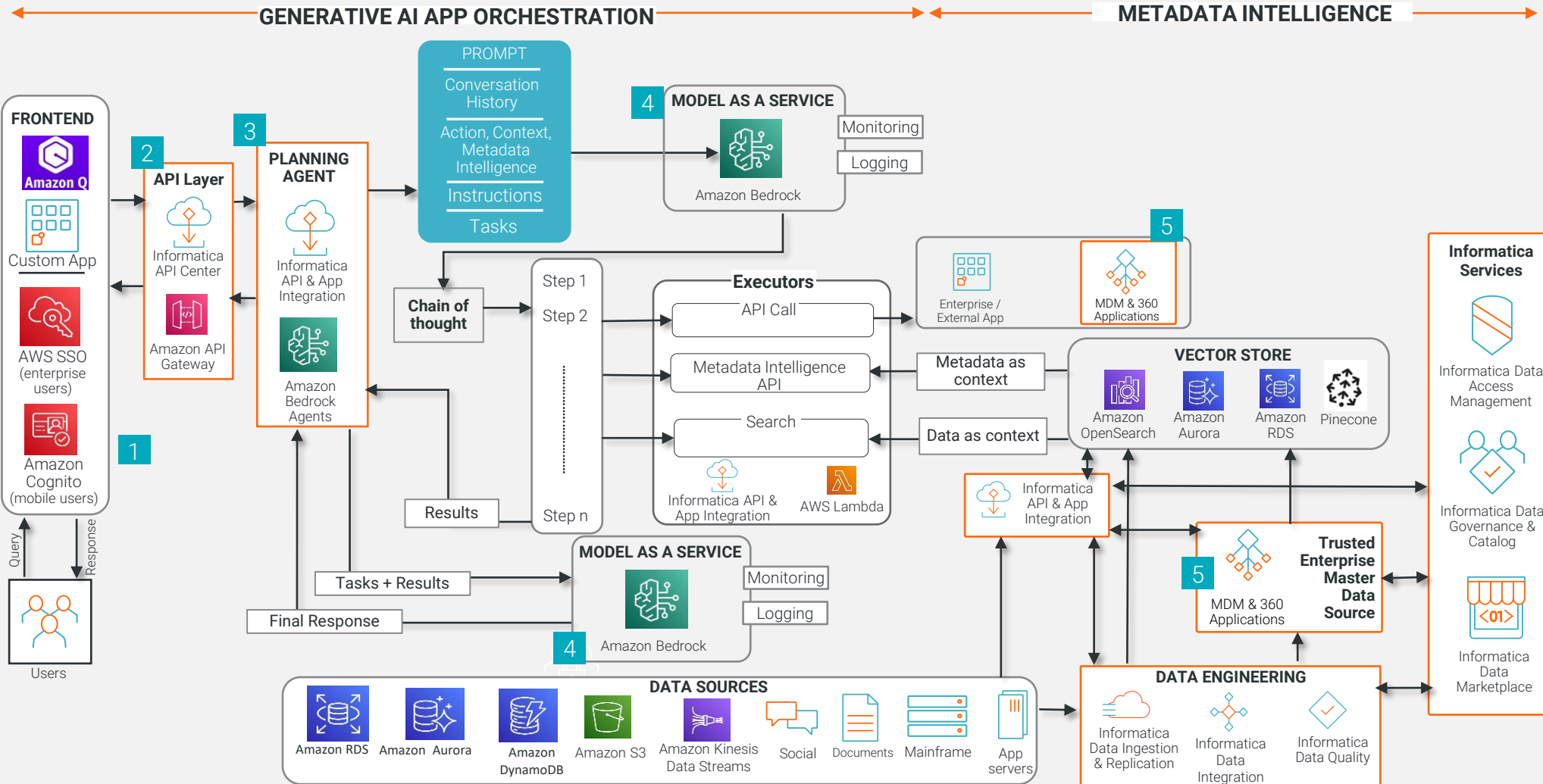


Reference Architecture

GenAI Blueprint for Amazon Web Services (AWS)

Retrieval Augmented Generation Framework for GenAI with Informatica on AWS



- 1 Frontend**— Frameworks for building GenAI apps(e.g. Amazon Q, Amazon Bedrock Agents etc.)
- 2 API Management**— Includes rate limiting and advanced authentication
- 3 Planning Agent**— Orchestrates API calls to retrieve relevant context, bring metadata intelligence and to enterprise applications like Informatica MDM.
- 4 Amazon Bedrock (Model as a Service)** — Provides hosting of LLMs, Model Management and Execution
- 5 Master Data — Trusted data** is provided using Informatica's Master Data Management (MDM), which assists organizations in maintaining a consolidated, accurate record.