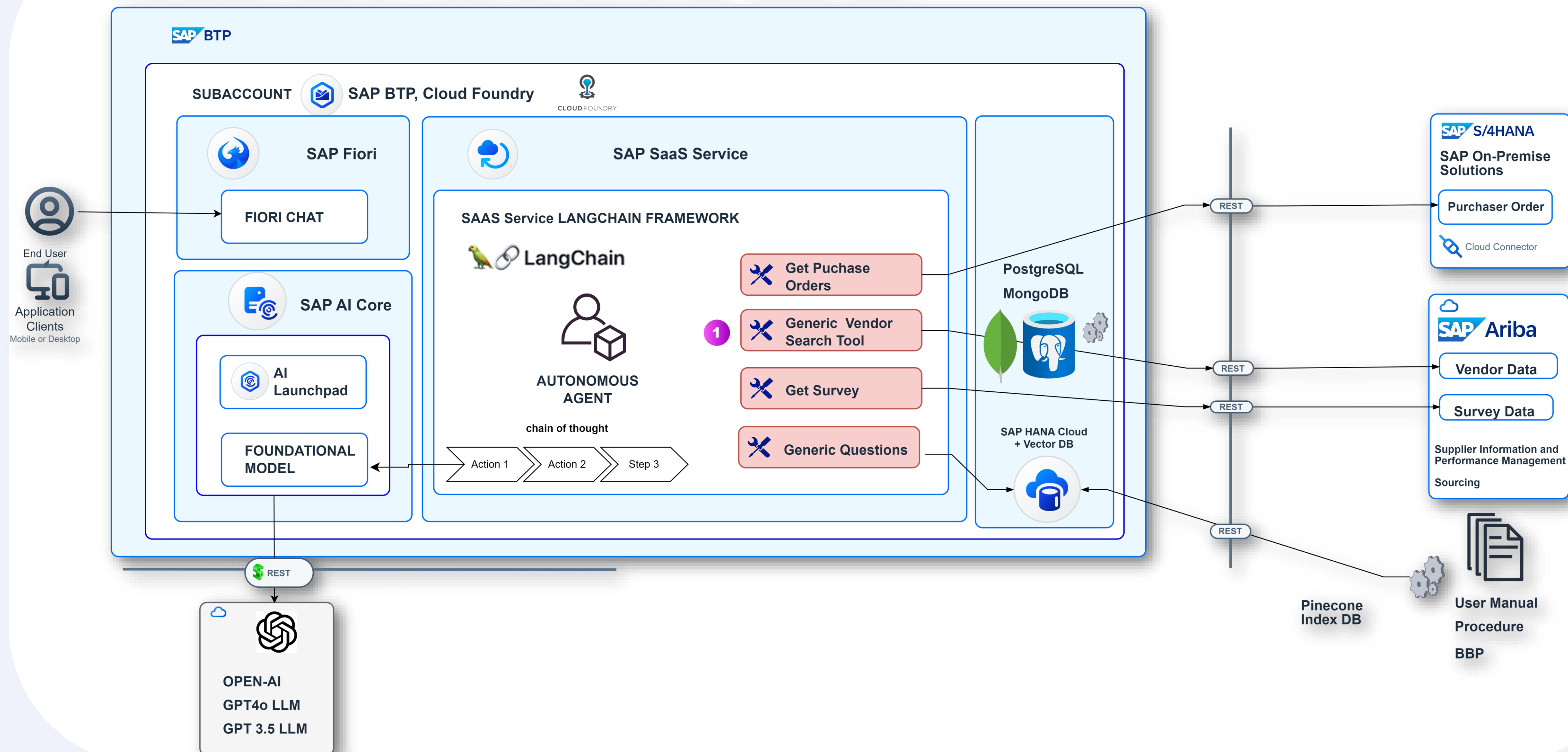


Procurement Assistant Deploy Model



Procurement Assistant Architecture

PROCUREMENT ASSISTANT - TARGET SAP ARCHITECTURE - SINGLE TENANT





Technical Architecture Details

Component	Description
Hana Vector DB	Used for ingest and retrieve embeddings from customer documentation. Embedding are generated through Python Script
PostgreSQL	Used for caching and querying JSON extracted from Ariba (Supplier Vendor Data). In this way we can query all the supplier base avoiding hundreds of call to SAP Ariba Service
Synchronous Integration	For specific info we directly call Ariba Service and in the future also S/4HANA. Integration can be base non Integration Suite or direct secure connection.
SaaS service	Procurement Chatbot is a multi-agent developed on Langchain. The service is exectuted within the SaaS service.
LLM	Currently the reasoning process and the dynamic query generation leverage on OpenAI API. It is under investigation the possibilty to use an open weihght LLM within BTP without further external call
FIORI	Frontend component



Deploy Model and Cost

- The customer pay Mashfrog for the software and initial/periodic setup
- The solution is deployed on customer's specific BTP environment
- The consumption of BTP services is completely in charge of the customer
- The solution currently use OpenAI API. The customer must provide it's own API KEY and monitor the consumption. Future release will be based on BTP open weight model

THANK YOU