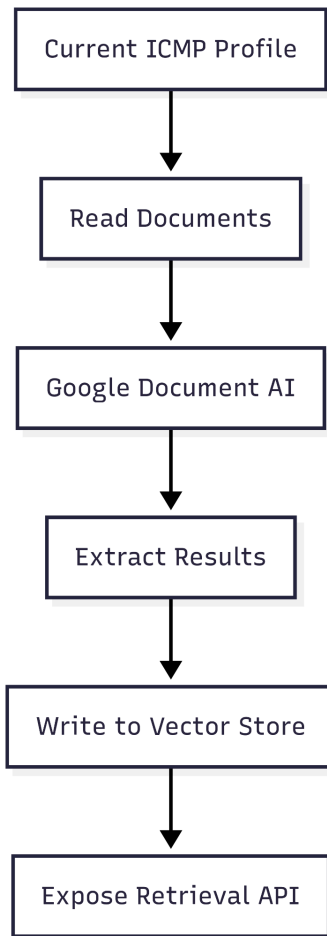


Approach 1

Description

Current ICMP Profile → AI Extraction Pipeline.

Each profile needs to be onboarded and prompt reviewed with MRM team. Retrieval context comes from input + SOP.



Challenges

1. Need to onboard every profile to AI Extraction Pipeline
2. Need to review the prompt with MRM team for each use case
3. Need access to raw PDF for QA validation

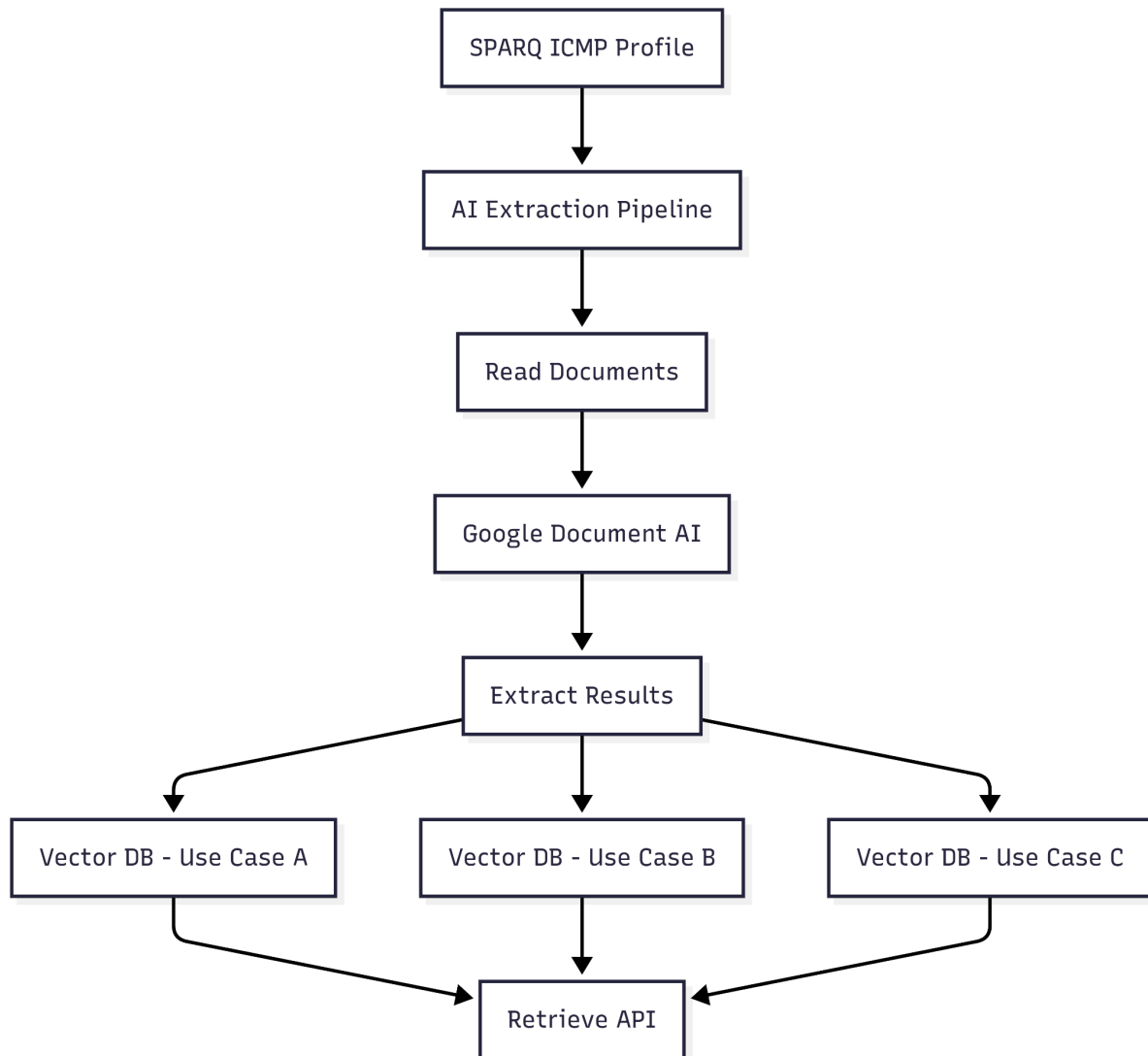
Approach 2

Description

SPARQ ICMP Profile → AI Extraction Pipeline (per use case).

Each use case stores results in a separate vector DB, reducing hallucinations and improving retrieval accuracy.

Mermaid Flowchart



Advantages

- No need to onboard every time (mapping profiles to use cases)
- Isolation of results per use case
- Metadata-driven retrieval reduces hallucination

Challenges

1. Need to review the prompt with MRM team for each use case
2. Need access to raw PDF for QA validation