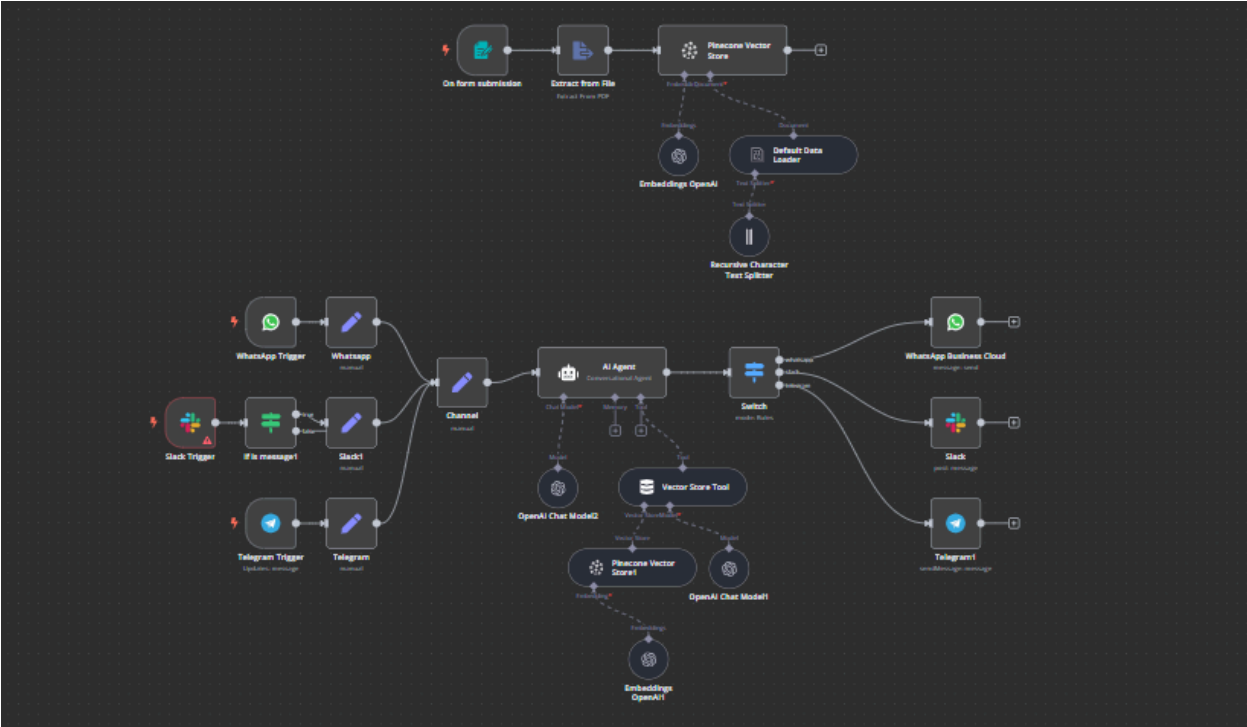


Multichannel RAG Agent with Pinecone




This AI Agent lets you set up a **custom knowledge base** that your team can query through multiple communication channels (**Slack, WhatsApp, Telegram**) seamlessly.

What This Automation Does:

1. Creates a Knowledge Base:

- You upload knowledge documents (e.g., PDFs) via a simple form.
- The agent extracts, splits, and embeds the content into a vector database (**Pinecone**), creating a searchable knowledge repository.

2. Handles Queries Across Channels:

- Listens for user queries via:
 -  **WhatsApp**

-  **Telegram**
-  **Slack**

3. **AI-powered Response Generation (RAG):**

- The agent retrieves relevant knowledge chunks from your custom knowledge base.
- Uses **LLM** to intelligently generate accurate, contextual answers.

4. **Delivers Responses in Real-Time:**

- Sends immediate, relevant answers directly to users via the same channel used (WhatsApp, Slack, or Telegram).

Tools Used:

- **Pinecone:** Vector database for storing embeddings.
- **LangChain AI Agent:** Intelligent response generation.
- **OpenAI Models:** AI-powered conversational responses.
- **WhatsApp Business API, Slack API, Telegram API:** For seamless multichannel communication