Understanding Chatbots

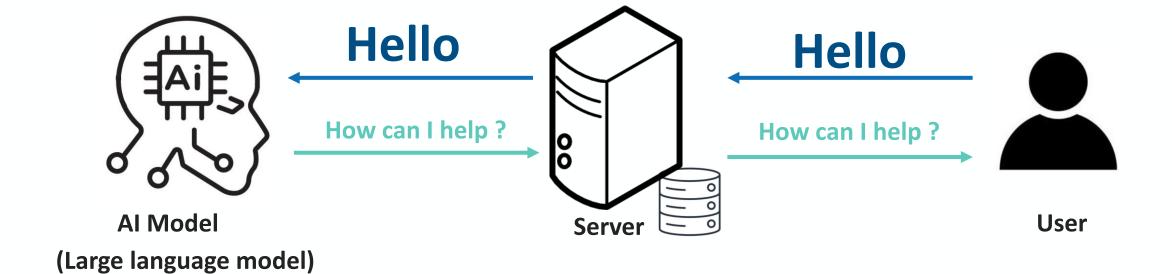
Jose Almeida | 25 November 2025 Bucharest



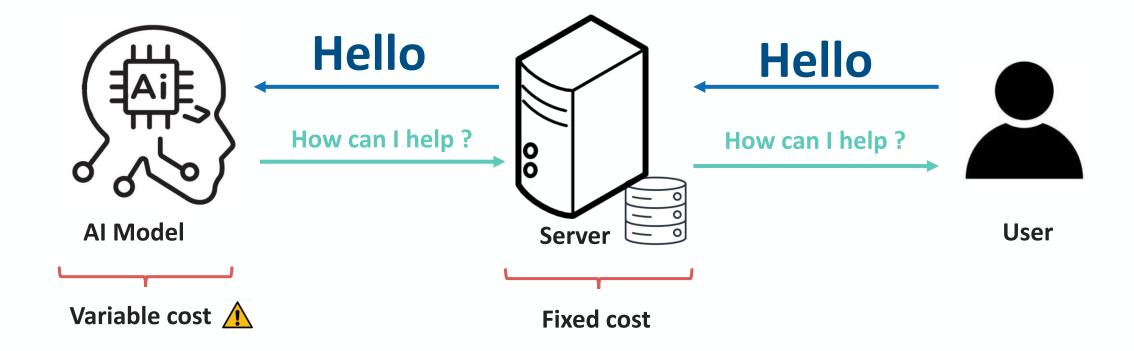


the European Union

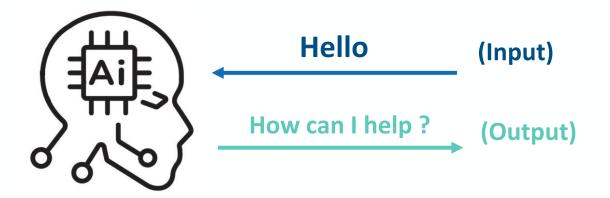
Chatbot



Chatbot

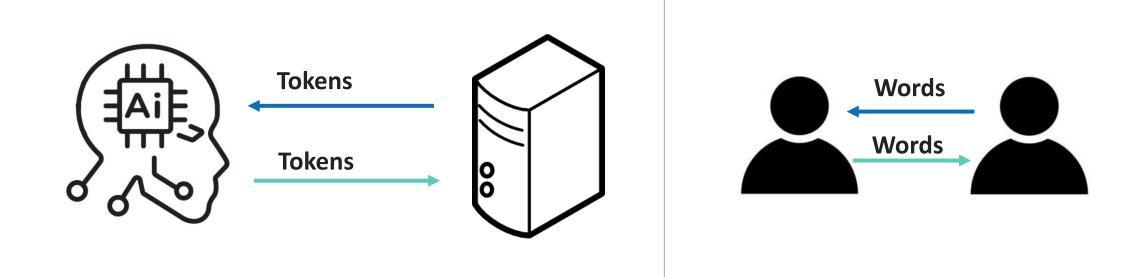


Input and output





Machines speak tokens



Tokens = words + 20% (aproximation, english language)



Example pricing – OpeanAl API (United States)

GPT-5.1

The best model for coding and agentic tasks across industries

Price

Input:

\$1.250 / 1M tokens

Output:

\$10.000 / 1M tokens

Possibly 1Trillion parameters

GPT-5 mini

A faster, cheaper version of GPT-5 for welldefined tasks

Price

Input:

\$0.250 / 1M tokens

Output:

\$2.000 / 1M tokens

GPT-5 nano

The fastest, cheapest version of GPT-5—great for summarization and classification tasks

Price

Input:

\$0.050 / 1M tokens

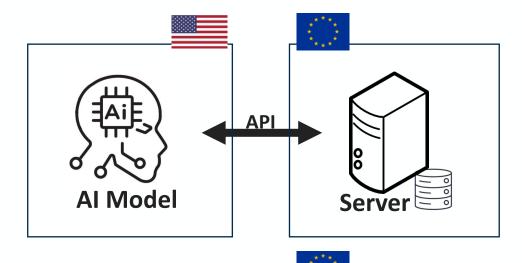
Output:

\$0.400 / 1M tokens

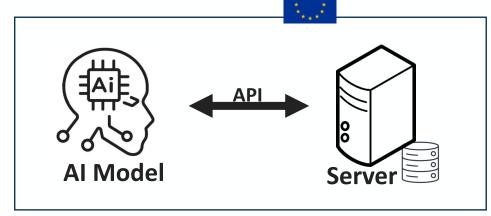
Likely 8Billion parameters



Model location



- Latest updated models
- Cheapest price
- Non-EU data residency

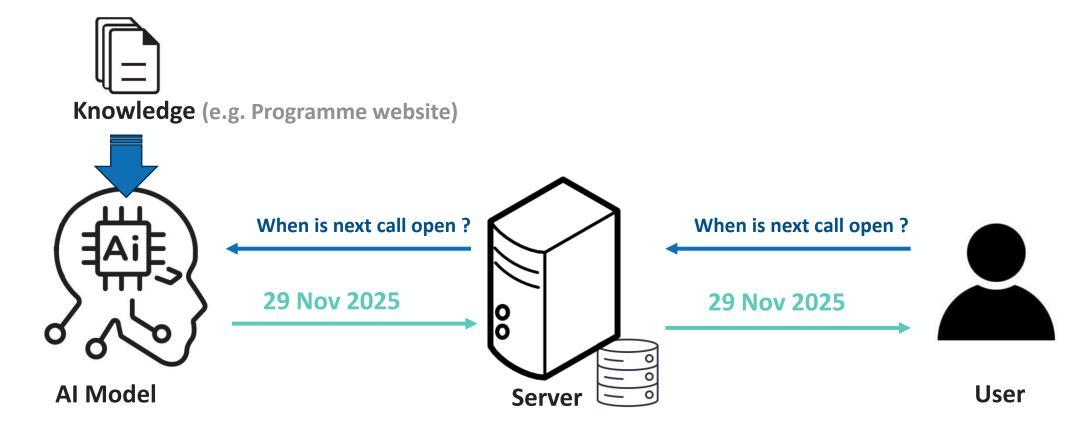


Datacenter in EU

- Not latest updated models
- ~30% expensive price
- EU data residency



Training

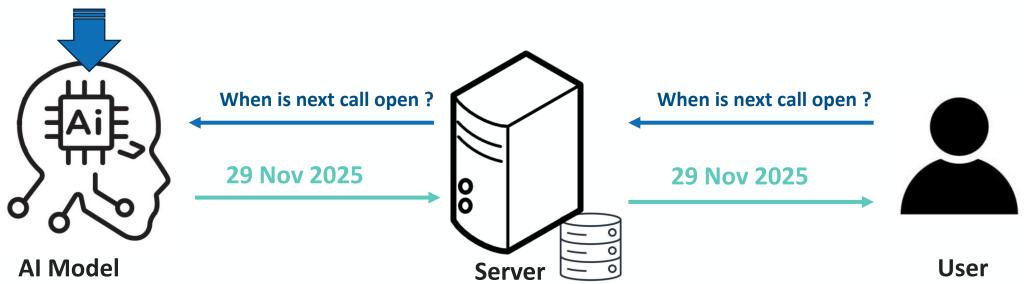


Training

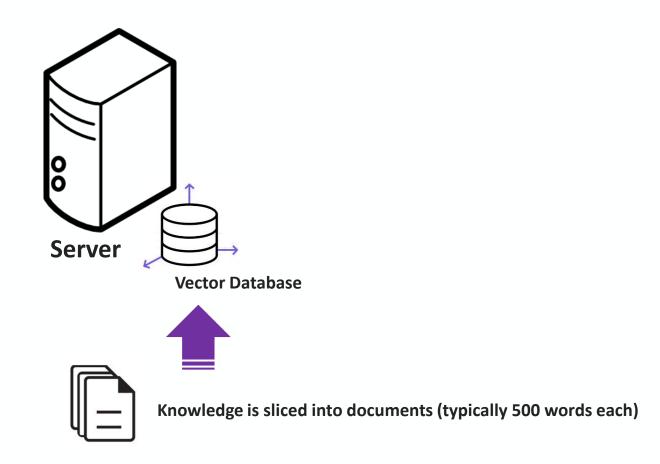


Extremely expensive

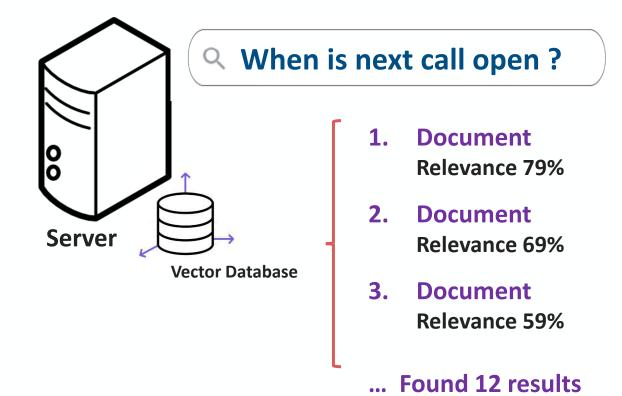
Repeated trainings required as data gets outdated Running trained model requires expensive server

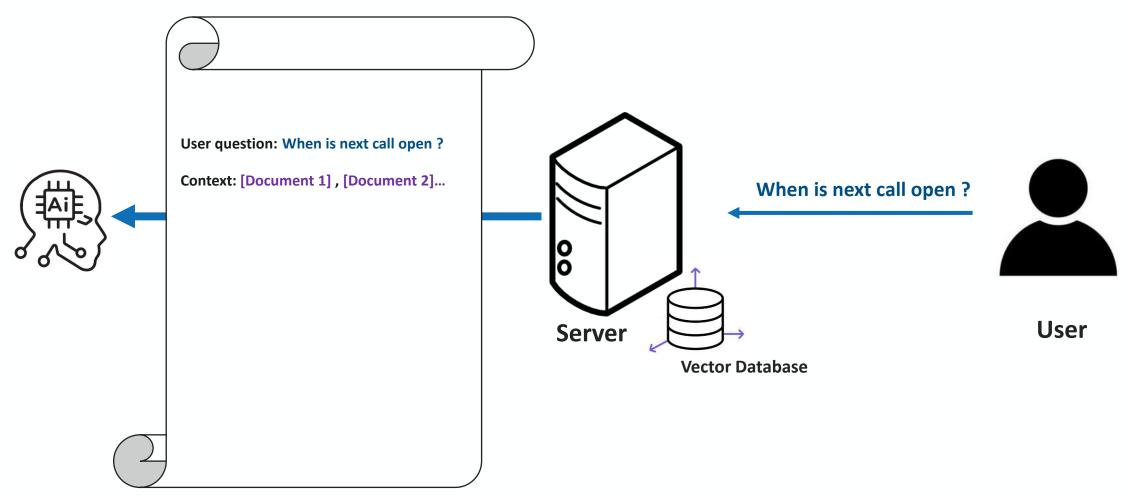


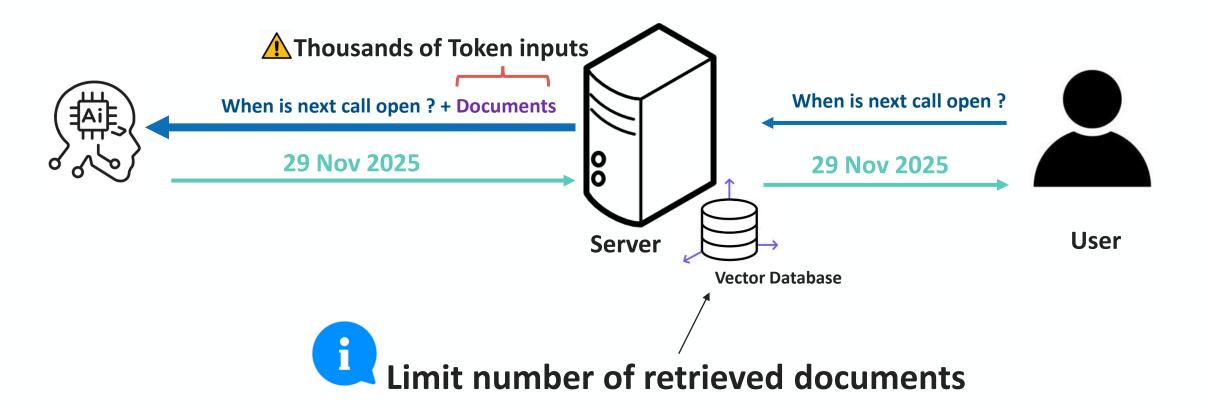
Not in



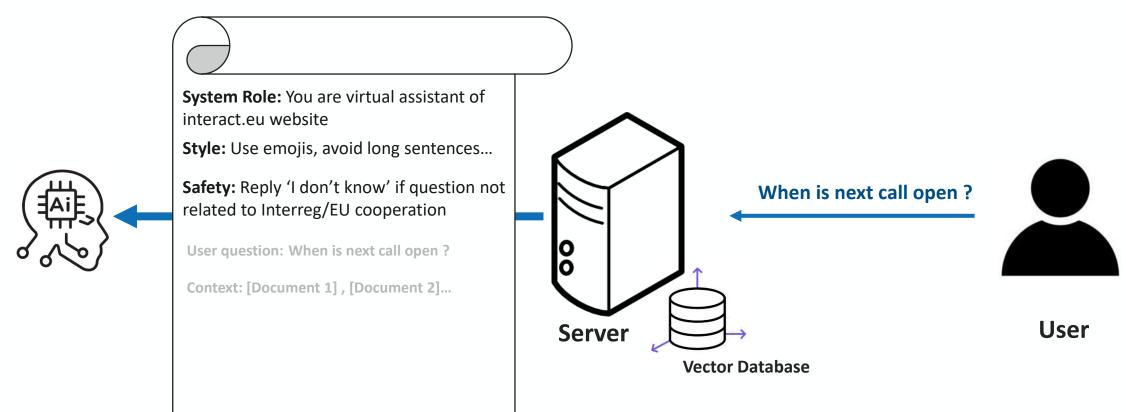






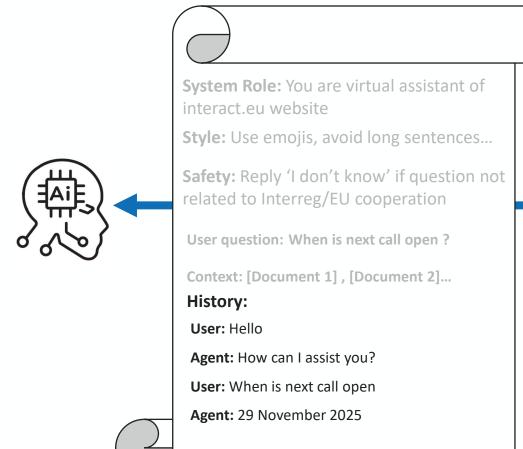


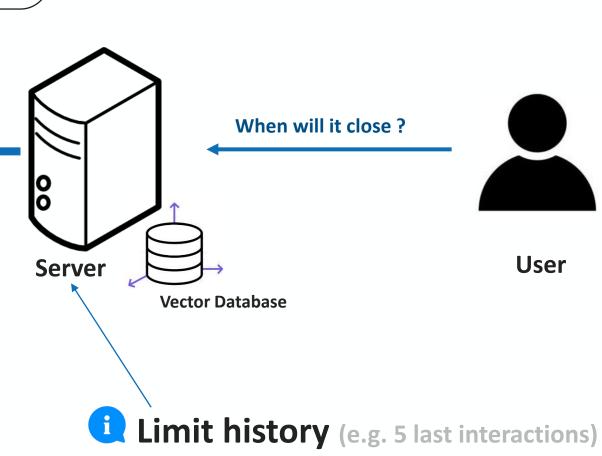
Metadata





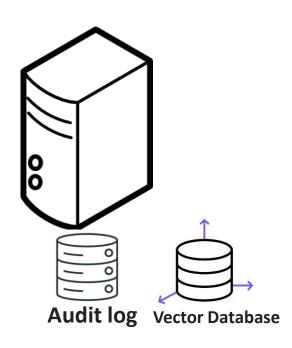
Memory (Short term)





User activity

- Audit trail Database logs all user activity
- Quality control Improve the chatbot over time
 - Most common questions, where users get stuck...
- Detect errors or harmful behaviour
 - Detect allucinations, incorrect guidance, abuse...
- Analytics
 - Number of questions, impact, time saved,...



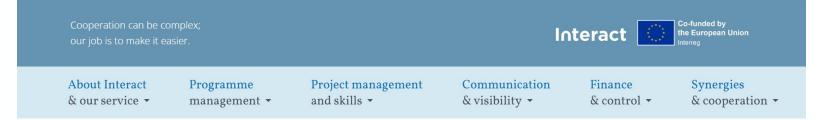
Focus on data

- The assistant will generate answers based on the data it sees
 - Ensure data exists, remove outdated/irrelevant/duplicated
- Low-quality, outdated, or inconsistent content → hallucinations and wrong answers
- Incorrect information makes users lose trust quickly.
 - Your chatbot represents your brand





Still on data...



Our team

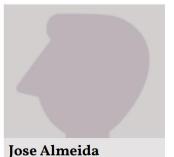
The full Interact team is available to you below, please use the filters to narrow your search by our fields of work.

You can also filter our team based on office location (if you know this), and by the different roles the Interact team fulfil.

Filters

















Thank you!

