

AI POWER SEARCH ACCELERATOR

PROOF OF CONCEPT - Q3 2023

SCOPE

The solution is designed for the employees to **get relevant information** from company document knowledge base by the mean of **natural language conversation**.

It enables employee to:

- Use a **private instance** of Chat-GPT
- Query a **private company document repository** containing validated and authoritative information

This is achieved via a **Chabot** integrated in **Microsoft Teams**, a **SharePoint Online** repository and Azure **Open AI** instance; everything is hosted on the **private client's cloud instance**.

Developed by WM Reply and CLUSTER Manufacturing Reply

PRIMARY TARGETS

1. **Privacy**
2. **Search effectiveness**
3. **Integration in MS Teams**
4. **Easy to use**
5. **Exploit chat-GPT text manipulation capabilities**
6. **Connected to company "knowledge" as per document repositories**



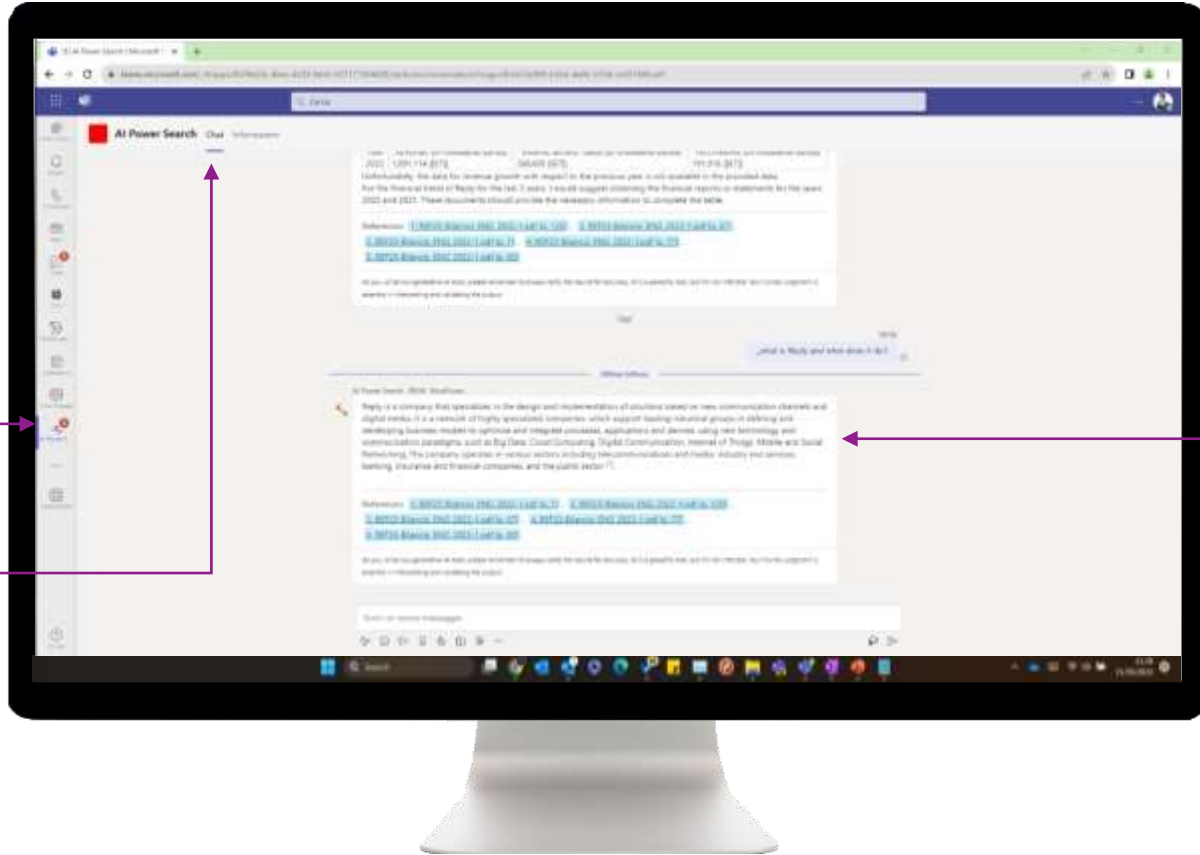
MOCK UP

START UP!

The Bot could be embedded in MS Teams as a dedicated app in appbar or as a tab-app in a Team collaboration area

CHAT WITH AI

The application allows you to communicate directly with the AI, as if you were conversing with a colleague.



AI ANSWER BACK

The AI will answer back to your question based on the GPT model and getting know-how out from the document stored on your company repository



PRIVACY

Conversation and content shared by end users in the chat remain in the company's cloud Tenant.



UNDER THE HOOD...

User will be able to find documents for their needs by simply chatting in **natural language via Teams**



A **natural language recap** of the result is elaborated by the AI engine and provided to the end user



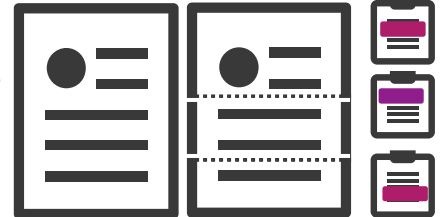
History
Reply



Tokenizer

Documents Text indexing

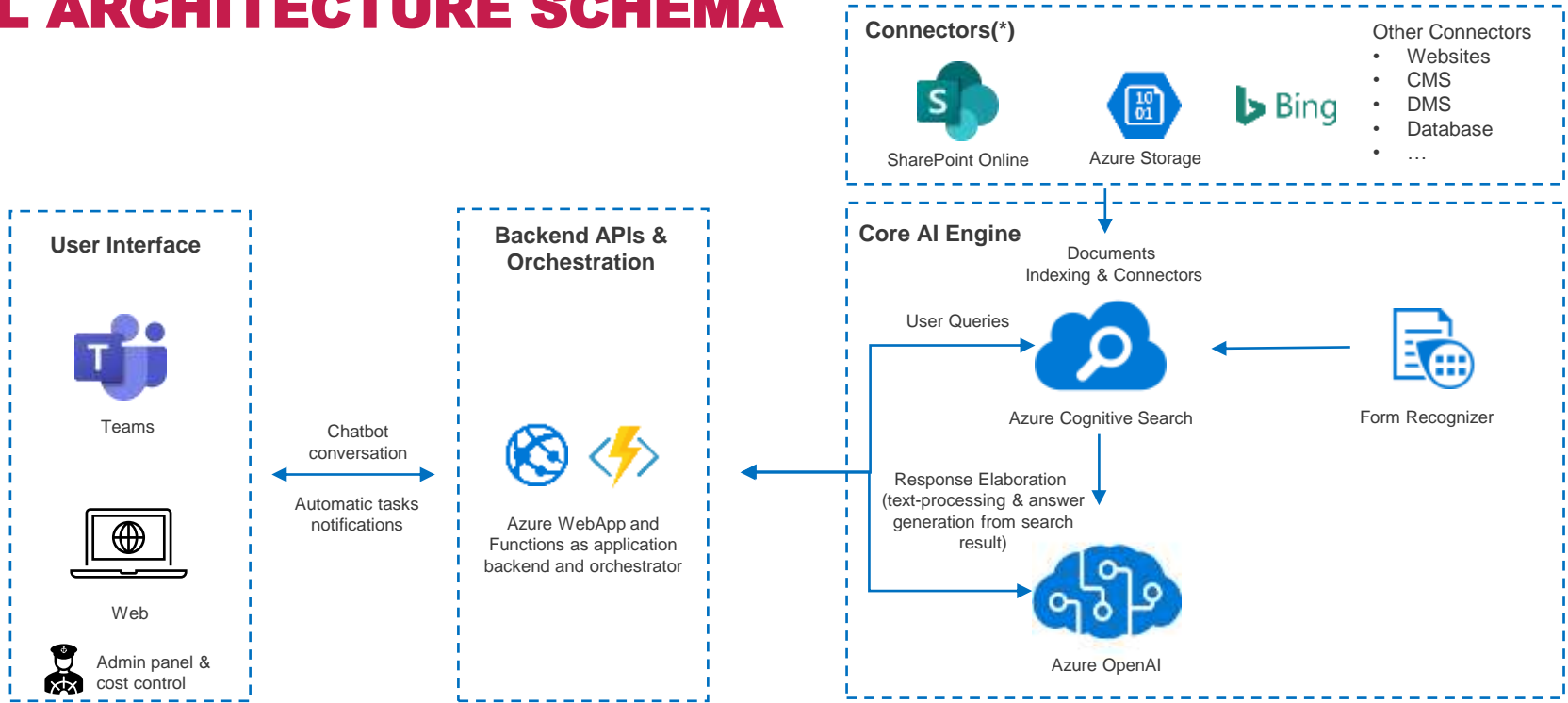
Enrichment



The **top match results** between user search and indexes within documents and data in repository are found and passed to the AI



HL ARCHITECTURE SCHEMA



*NOTE: only Sharepoint Online connector with one document repository is included in the POC scope.



