

SEARCH ENGINE GPT AZURE

Azure OpenAI Accelerator



ENHANCING DOCUMENT AND KNOWLEDGE MANAGEMENT

80% amount of unstructured data in companies

82% of professionals report difficulties with unstructured data in companies

\$14k productivity loss per year per knowledge worker



AZURE'S GPT SEARCH ENGINE

Your organization needs a search engine that can comprehend all kinds of data, stored in different locations, and can return links to similar documents, but most importantly, provide the answer to the question! In other words, you want a private and secure ChatGPT for your organization that can interpret, understand, and respond to questions about your business.



Enterprise search

Discover and enrich documents with AI: classification, entity extraction, OCR, and more, in a vast repository



Knowledge mining

Find answers and relevant knowledge in text using natural language and semantic expansion



Document intelligence

We index structured documents such as contracts, invoices, sales, orders, etc., extract key entities, and help you find the precise information you need



Catalog search

Optimize product results, avoid null searches, provide intelligent recommendations, and increase click-through rates and conversions

THE AZURE GPT SEARCH ENGINE ACCELERATOR

Azure Cognitive Search

Create a comprehensive Azure Cognitive Search solution with Semantic Search capabilities, AI-enriched Skillsets, and multiple indexes.



Azure OpenAI and ChatGPT

Utilize a combination of the most advanced Azure OpenAI models to develop your own intelligent search engine and power ChatGPT securely.

Variety of datasets

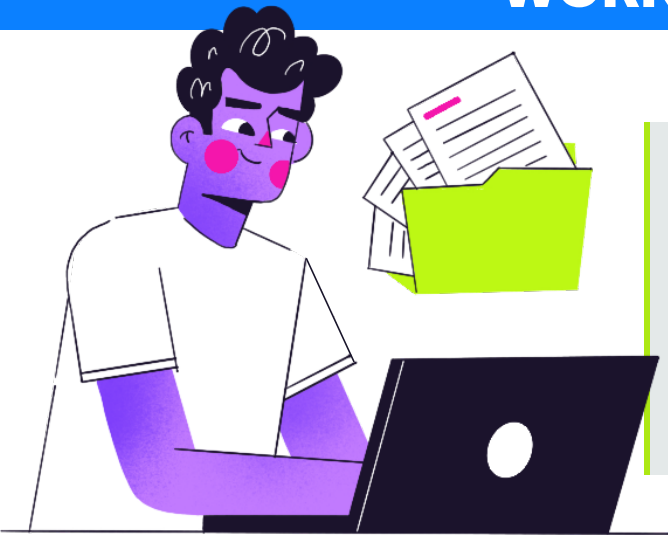
Uncover valuable insights from your datasets, whether they consist of textual data or tabular information.



Web application

Finally, package it all into an Azure web application with a user-friendly interface, allowing you to effortlessly search for the information you need within your data.

WORKSHOP DETAILS



- Build a functional POC (Proof of Concept) with your own data in your Azure tenant.
- We teach your team to build the complete POC to enable future scalability and replications.
- Rapid prototyping and quick launch time within 3 days.
- Start using cutting-edge models from Azure OpenAI.
- Turn on and deploy multiple Azure services.

TIMELINE

Validate the use case and submit the prerequisites for the workshop.
A 60-minute meeting

The client prepares the prerequisites and schedules the workshop.
1 week

Microsoft architects build the POC in the customer's tenant.
1 - 2 weeks

Workshop with the client
3 days

POC completed!



WORKSHOP AGENDA FOR 3 DAYS

From idea to POC in 3 days



DAY 1

Summary of Azure products and Azure OpenAI theories.
Overview of the use case and architecture.

GitHub repository tour.

Notebook 1: Creating Azure Cognitive Search.

Notebook 2: Creating search with multiple indexes.



DAY 2

Notebook 3: Search with Azure OpenAI ChatGPT.

Notebook 4: Implementing memory to enhance conversations.

Notebook 5: Search in tabular datasets.

Notebook 6: Conversing with SQL databases.



DAY 3

Notebook 7: All Together: GPT Chat Bot with Intelligent Search Engine

Web application implementation

Resource closure

Discussion of next steps: Production, Partners, Support

Open Q&A (Questions and Answers)

HOW TO PARTICIPATE?



Discovery call

Call with the client to assess qualification for the program.

Offering: 3-day workshop led by CSU with Azure OpenAI experts.



Proof of Value (POV)

The CSU team, during the workshop, assists the interested client in building a Proof of Concept (POC) using their own data and Azure subscription.

✓ Implementation

Code-with and deployment of the Intelligent Search System in Production with guidance and support from technical specialists (CSA) and partners.