



# GPT Azure Search Engine

Azure OpenAI Solution Accelerator

# The Need for Better Document & Knowledge Management

Improving Access to Information with Smarter Search Solutions.



**80%**

- Amount of data in businesses that is unstructured



**82%**

- Of professionals say their companies struggle with efficient processing of unstructured data



**\$14 K**

- Of productivity lost per year per information worker

# Common applications of cognitive search

## Enterprise Search (Find the right document)



- Find the correct document from a large repository
- Increase your teams' productivity
- Enrich documents with AI: classification, Entity extraction, OCR, etc

## Knowledge Mining (Find the right content)



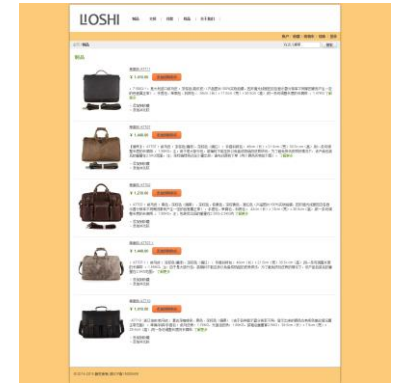
- Find answers to questions in natural language
- Find relevant knowledge within large corpus of text using Semantic expansion
- Find the right paragraphs within text corpus to answer specific questions

## Document Intelligence (Digitize assets)



- Index structured documents such as contracts, invoices, sales orders, etc
- Extract important entities
- Find the relevant document
- Find the right information within documents

## Catalogue Search (ecommerce, customer-facing web & mobile apps)

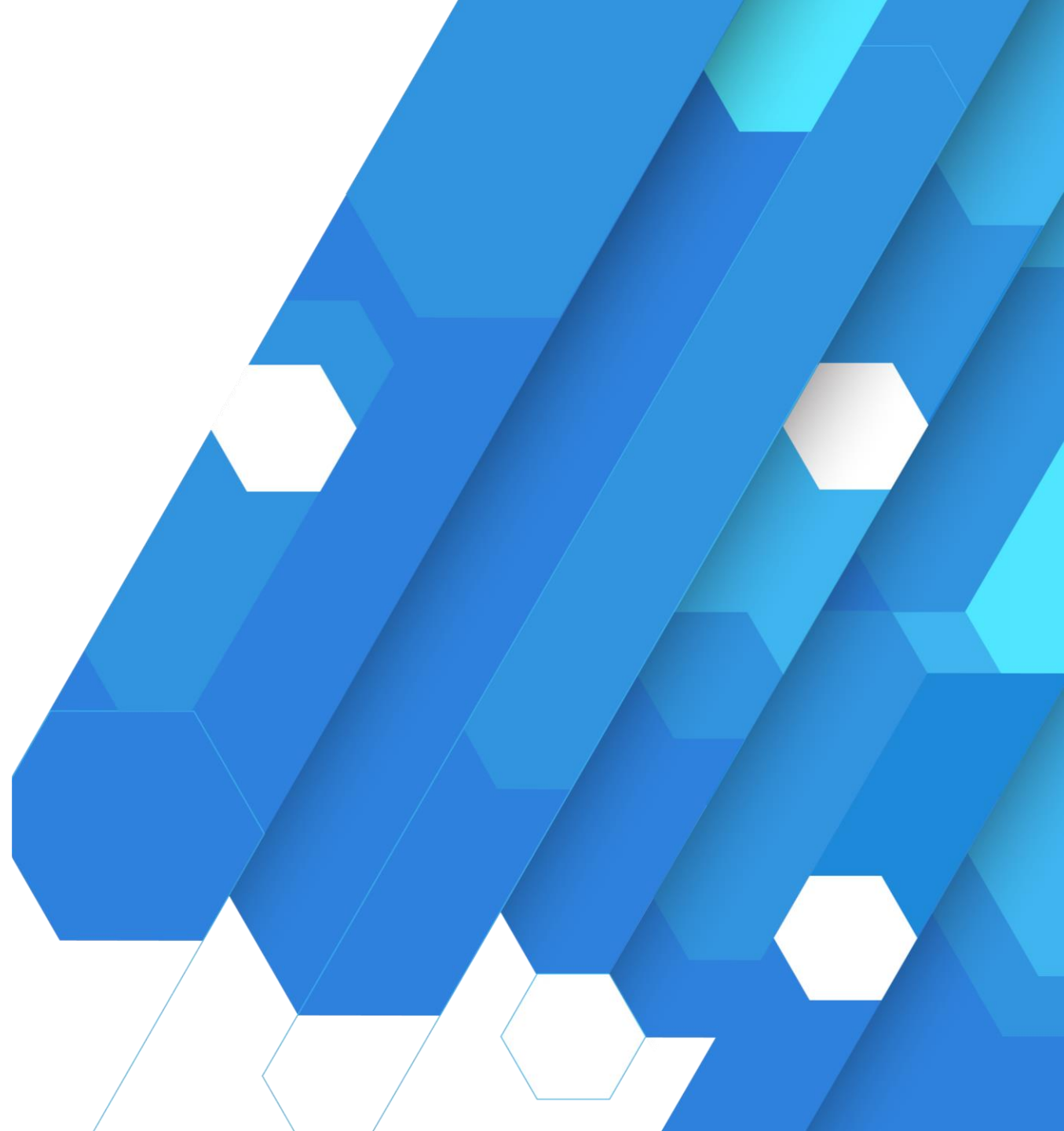


- Increase relevancy of product results
- Prevent "zero search results"
- Deliver intelligent product recommendations based on user intent
- Increase clickthrough and conversion rates

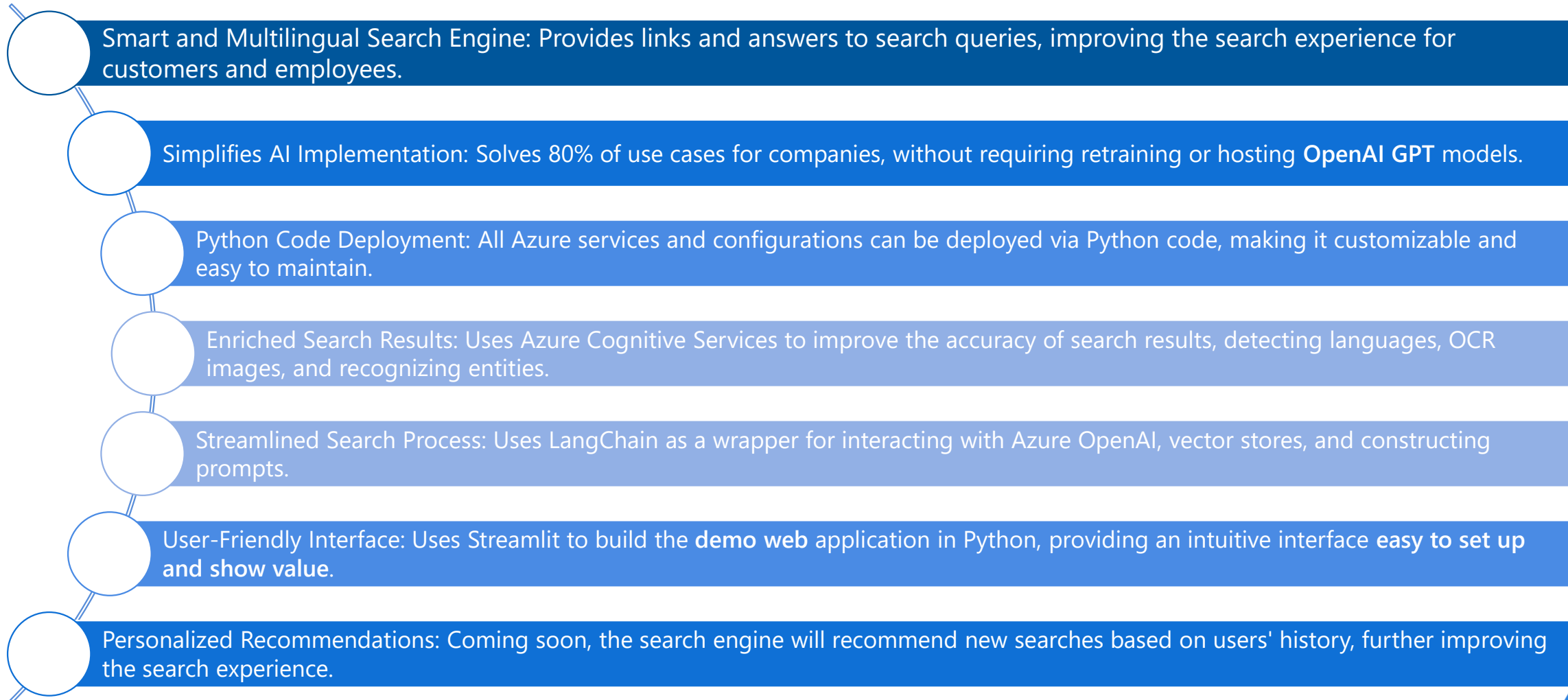
# GPT Azure Search Engine

Your organization needs a search engine that can make sense of all kinds of types of data, stored in different locations, and that can return the links of similar documents, but more importantly, **provide the answer to the question!**

In other words, you want **private** and **secured ChatGPT** for your organization that can interpret, comprehend, and answer questions about your business.



# The Benefits



# The Prerequisites

**Before setting the 3-day Workshop date:**  
*the following items need to be in place*

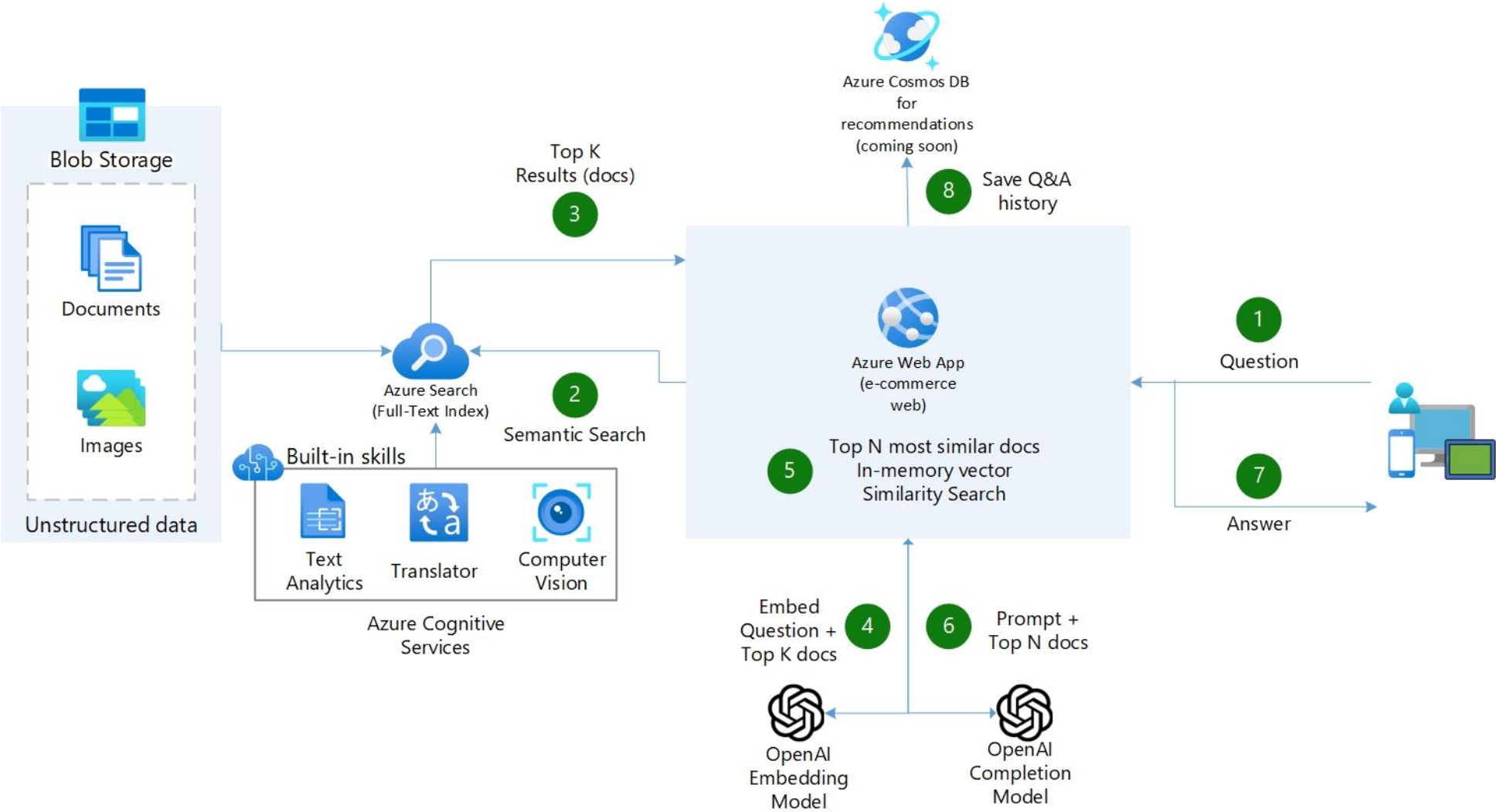
- 1) Accepted Application to Azure Open AI
- 2) Microsoft CSU team need to be added as Guests in your Azure AD
- 3) A Resource Group (RG) needs to be set for this Workshop POC, in the customer Azure tenant
- 4) The customer team and the Microsoft team must have Contributor permissions to this RG
- 5) A storage account must be set in place in the RG. Disable firewalls and enable public network access from all networks
- 6) Documents must be uploaded to the storage account, at least 2 weeks prior to the workshop.
- 7) Azure Machine Learning Workspace must be deployed in the RG
- 8) Optional – Databricks Workspace deployed in the RG

## Datasets:

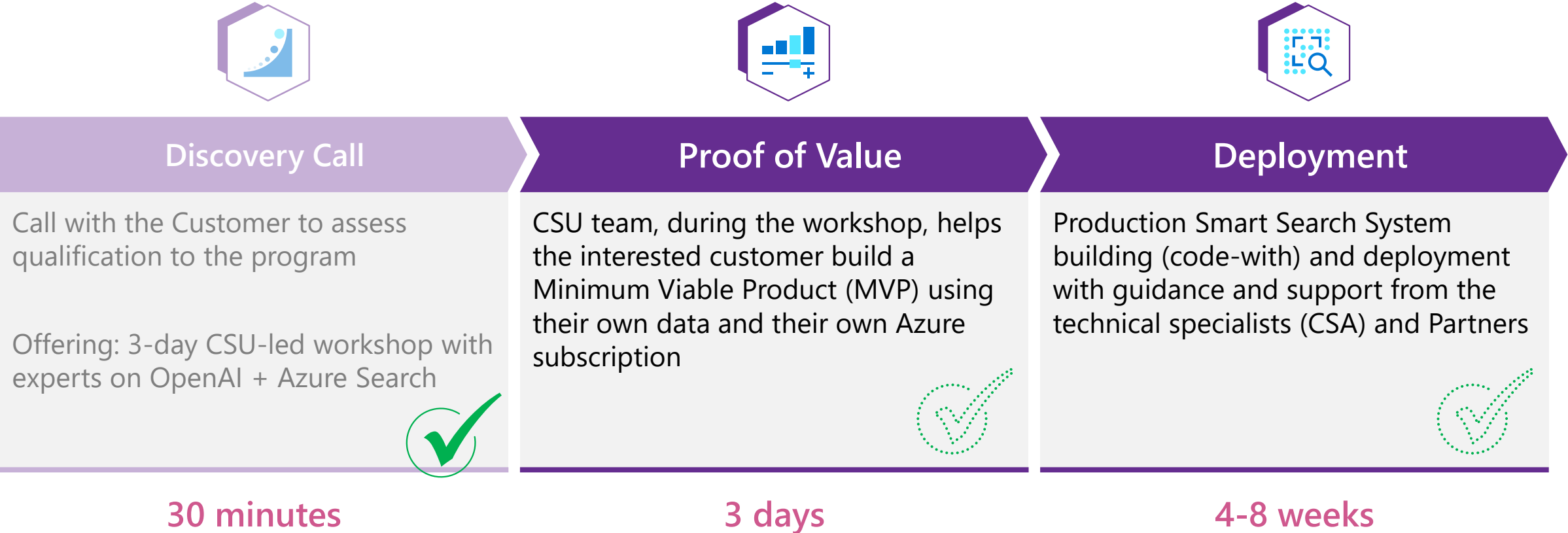
*The following datasets are needed for the POC and must be uploaded to the blob storage:*

- 1) Data/Documents can be of the following types:
  - CSV, EML, EPUB, GZ, HTML, JSON (see Indexing JSON blobs), KML (XML for geographic representations), Microsoft Office formats: DOCX/DOC/DOCM, XLSX/XLS/XLSM, PPTX/PPT/PPTM, MSG (Outlook emails), XML (both 2003 and 2006 WORD XML), Open Document formats: ODT, ODS, ODP, PDF, Plain text files (see also Indexing plain text), RTF, XML, ZIP.

# MVP Architecture



# Next steps: How to engage?





Thank you!

