

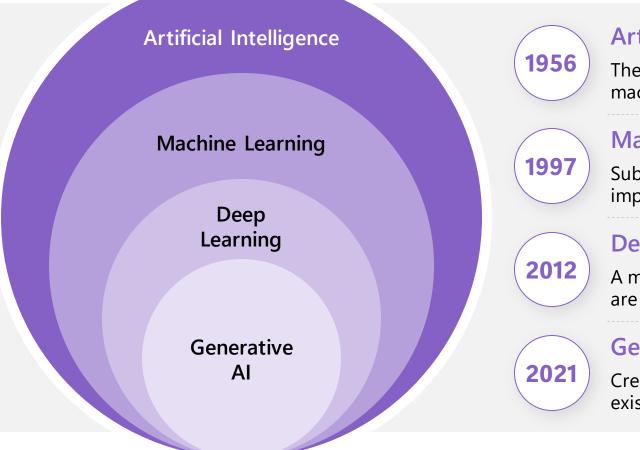
Macquarie Generative Al Hack

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The journey continues with generative AI



Artificial Intelligence

The field of computer science that seeks to create intelligent machines that can replicate or exceed human intelligence.

Machine Learning

Subset of AI that enables machines to learn from existing data and improve upon that data to make decisions or predictions.

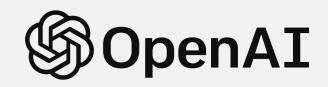
Deep Learning

A machine learning technique in which layers of neural networks are used to process data and make **decisions**.

Generative Al

Create new written, visual, and auditory content given prompts or existing data.

Microsoft and OpenAl partnership



Ensure that artificial general intelligence (AGI) benefits humanity

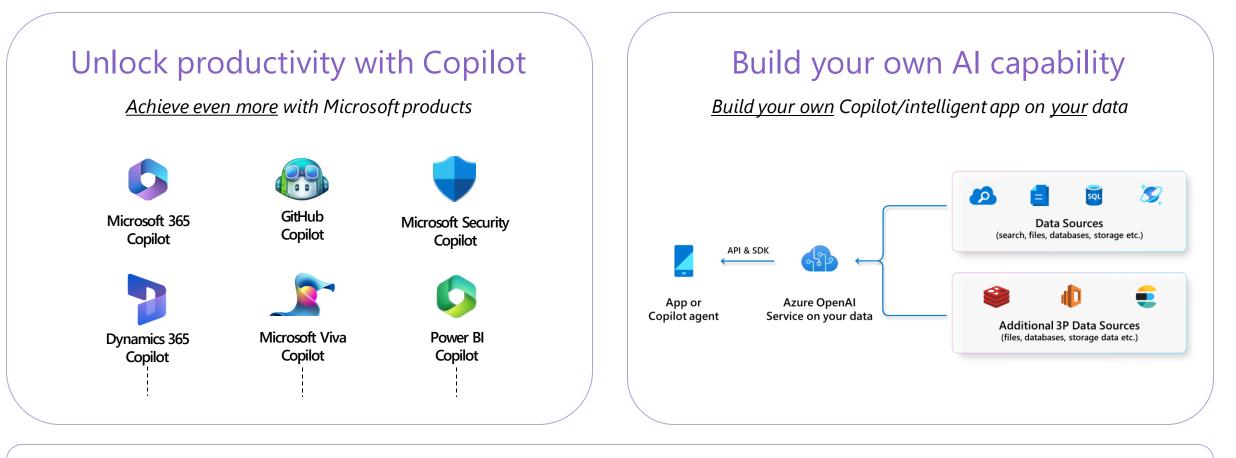


Empower every person and organization on the planet to achieve more

Azure OpenAl Service

GPT-4 & GPT-3.5-Turbo	Chat Completions	DALL·E 3	Whisper
Text	Conversation	Image	Transcription & Translation

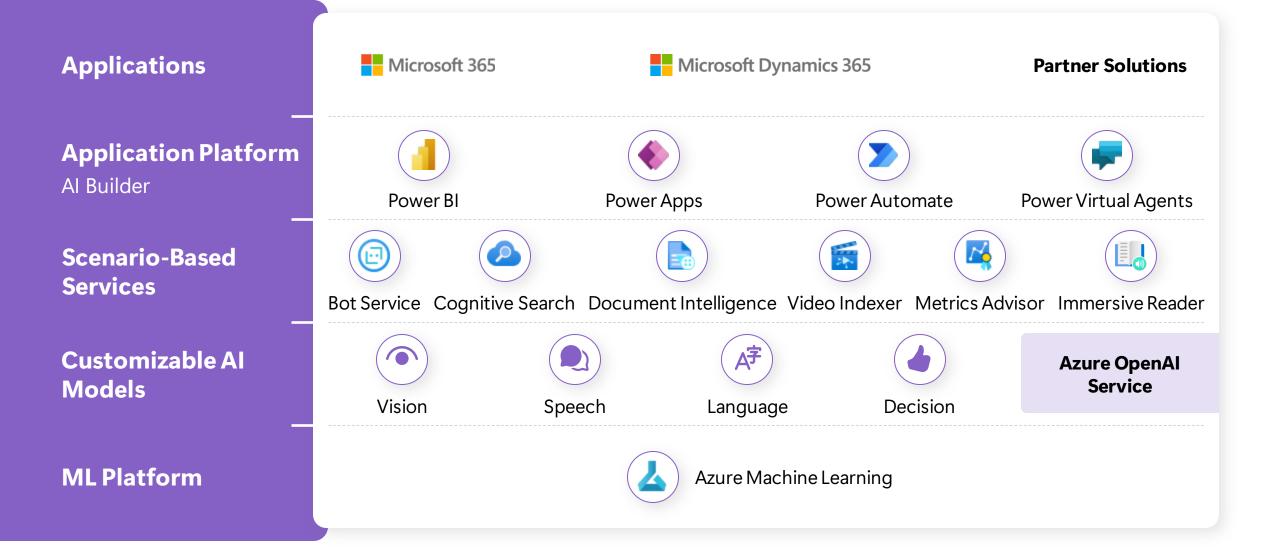
Microsoft AI Imperatives



Safeguard your business and data

We are not just a cloud company or a devices company or a software company. We are an AI company. AI is at the core of our vision for empowering every person and every organization on the planet to achieve more" - Satya Nadella

Microsoft is powered by Azure Al



Generative AI use cases

↑ Value

Automation

Automated repetitive tasks to streamline and be more productive

Personalization

Tailor interactions with individualized information to result in personalized output/recommendations

Data driven decisioning

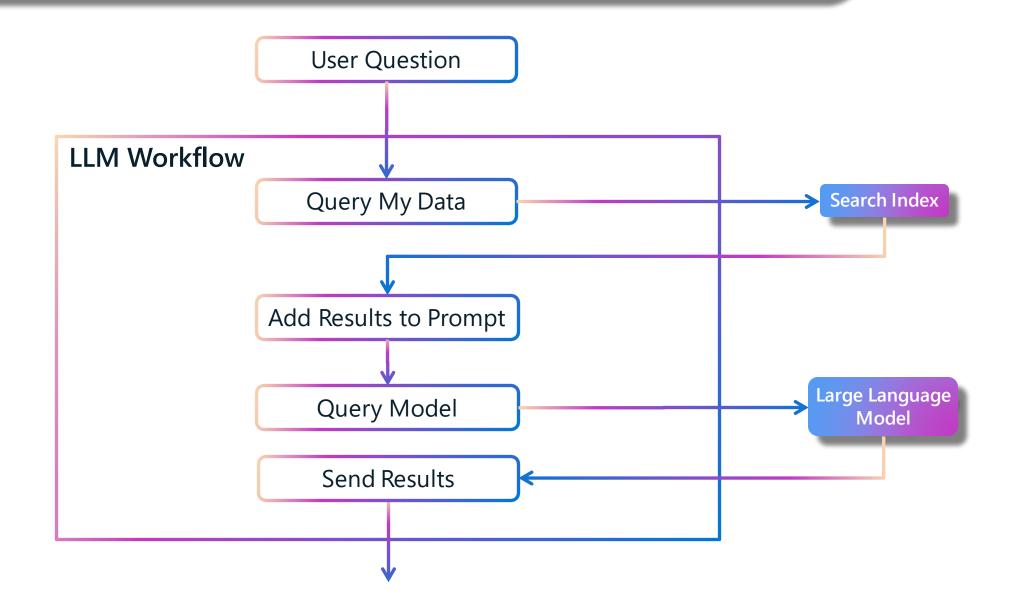
Analyze and interpret data to uncover patterns, identify trends to gain valuable insights

Summarization and Q&A

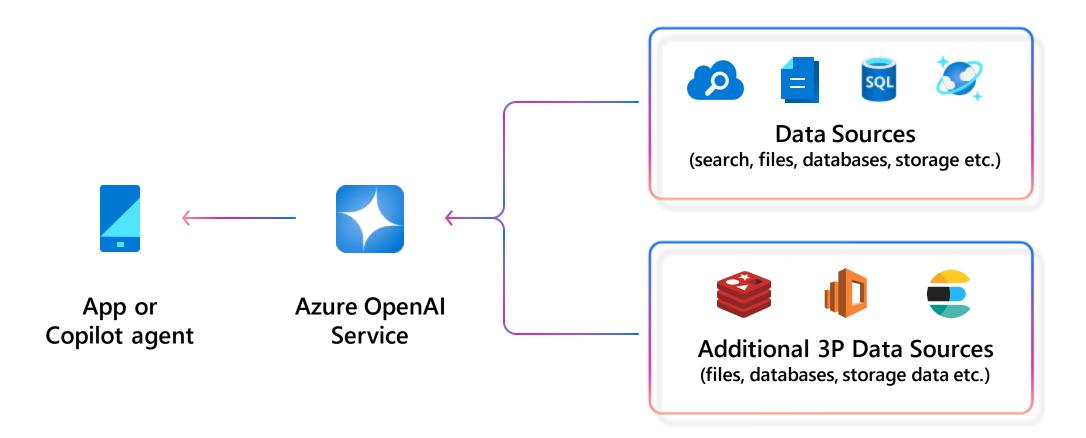
Summarize massive quantities of information for easier consumption & communication

Complexity

Retrieval Augmented Generation



Bring your own data



Azure Al Portfolio

Azure Al Studio

Unified user interface (UI), SDK, CLI

Azure Al Services Vision Speech Language / Translatio Document Intelligence Azure OpenAl Content Safety	Vactor	h mented (RAG) ic	Azure Machine Learning Ground Evaluate Deploy Monitor MLOps / LLMOps Responsible AI Dashboard	Comprehensive model catalog Production ready lifecycle
Turing GPT Florence	-4 and GPT 3.5 Turbo Whisper	DALL-E Embeddings	Meta Llama 2 Hugging Face	Safe and Responsible AI
	— Azure Infras	tructure —	/	

One place to

AI solutions

build and deploy



Getting started

Azure OpenAl Transparent Proxy

Azure OpenAl Transparent Proxy Access

- Setup
 - <u>https://workshop.globalai.community/Setup</u>
- Event Code
 - ·MAC56YH

API-KEY is emailed to you

The Playground (like) experience

Chat Image		MAC56YH <u>Workshop</u>
System Message	Chat Session	Configuration
You are an Al assistant that helps people find		hello
information.		1024
		Accepted Value: 1 - 2048
	Hello! How can I assist you today?	Temperature
		0.7
	what is the	Accepted Value: 0 - 1 meaning of life
Save Changes 🖺		Тор Р
		0.95
	The meaning of life is a complex and subjective topic that has been contemplated by philosophers, theologians, and individuals throughout history. Different people and	Accepted Value: 0 - 1
	cultures have different perspectives on this question. Some believe that the meaning of life is to seek happiness	OpenAl Functions
o	and fulfillment, while others find meaning in personal relationships, achieving goals, or making a positive impact	auto
OpenAl Functions	on the world. Ultimately, the meaning of life may vary for each individual based on their beliefs, values, and experiences.	Finish Reason: stop Completion Tokens: 91
[]	Type user query here (Shift + Enter for new line)	Send > Prompt Tokens: 46 Total Tokens: 137
		Response Time: 1161 ms

SDK Support

- API-KEY: As requested.
- ·OpenAl Proxy Endpoint:
 - <u>https://playground.globalai.community/v1/api</u>
- Models
 - \cdot gpt-3.5-turbo: Chat, Function calling, BYO Data
 - · davinci-002: text
 - $\cdot text-embedding-ada-002$
 - dall-e 2 & 3

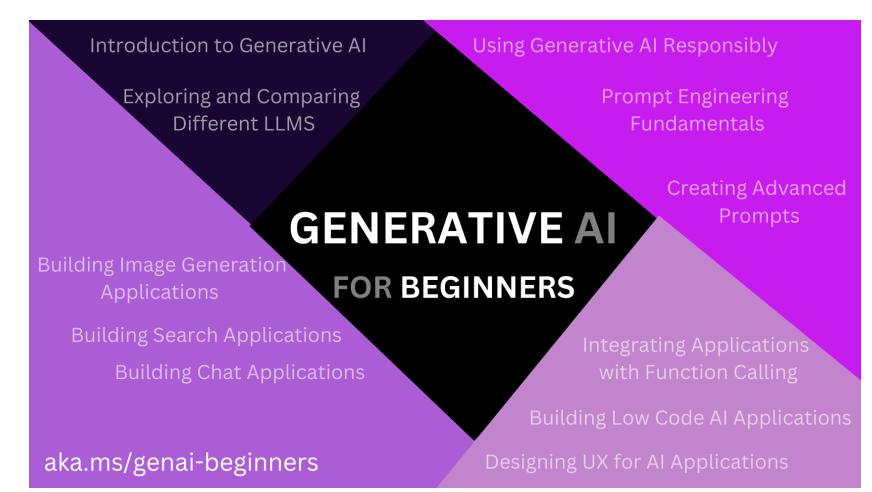


<u>https://github.com/microsoft/azure-openai-</u> <u>service-proxy/tree/main/examples</u>

- Chat completions
- Function calling
- BYO Data
- Embeddings
- Dall-e

Generative AI for Beginners

https://microsoft.github.io/generative-ai-for-beginners





www.bing.com - Chat

Draw a futuristic transparent laptop computer playing a Simpsons video surrounded by blue sky and a bright sun shining

Bing Dall-e-3 image generation



