Microsoft is leading the Era of AI

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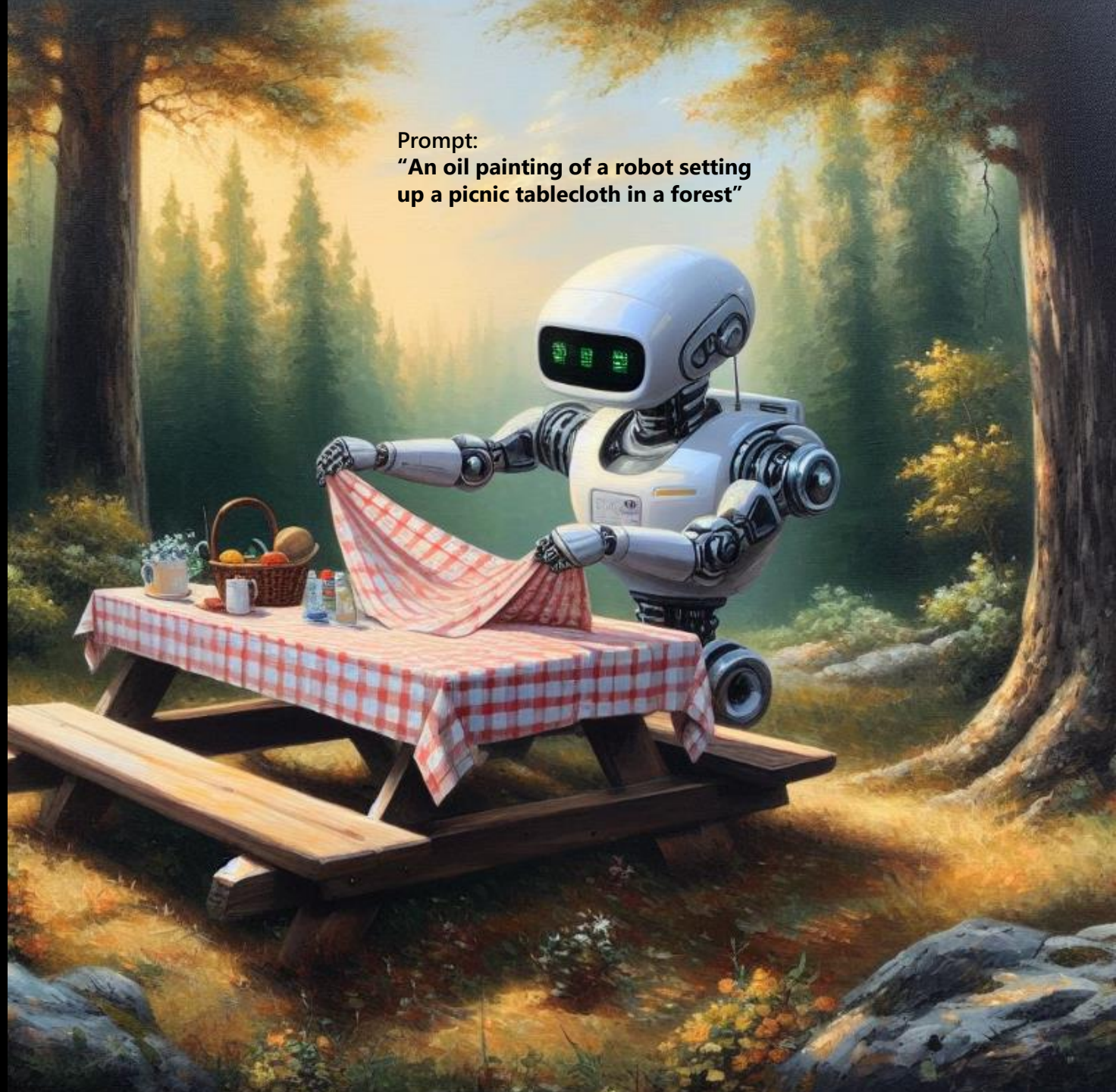
May 10th



AI is everywhere

- AI private investments have doubled in one year

- Research on AI fairness and transparency has increased fivefold since 2014

- 50% of organizations have adopted AI in at least one business area

CIO

When will AI usher in a new era of manufacturing?

PLASTICS TODAY

How artificial intelligence will force a rethink of the manufacturing process

Forbes

5G, AI and IoT: The Dream Team for Modern Manufacturing

Automation.com

Microsoft Cloud for Manufacturing: Tackling Data Accessibility in Manufacturing alongside Partners

VentureBeat

AI is making smart manufacturing faster, greener, virtual – and more real

Fabbaloo

Smarter Factories: Why Manufacturers are Betting Big on AI

BENZINGA

Artificial Intelligence (AI) in Manufacturing Market Size to Hit USD 68,360 Million By 2032

Forbes

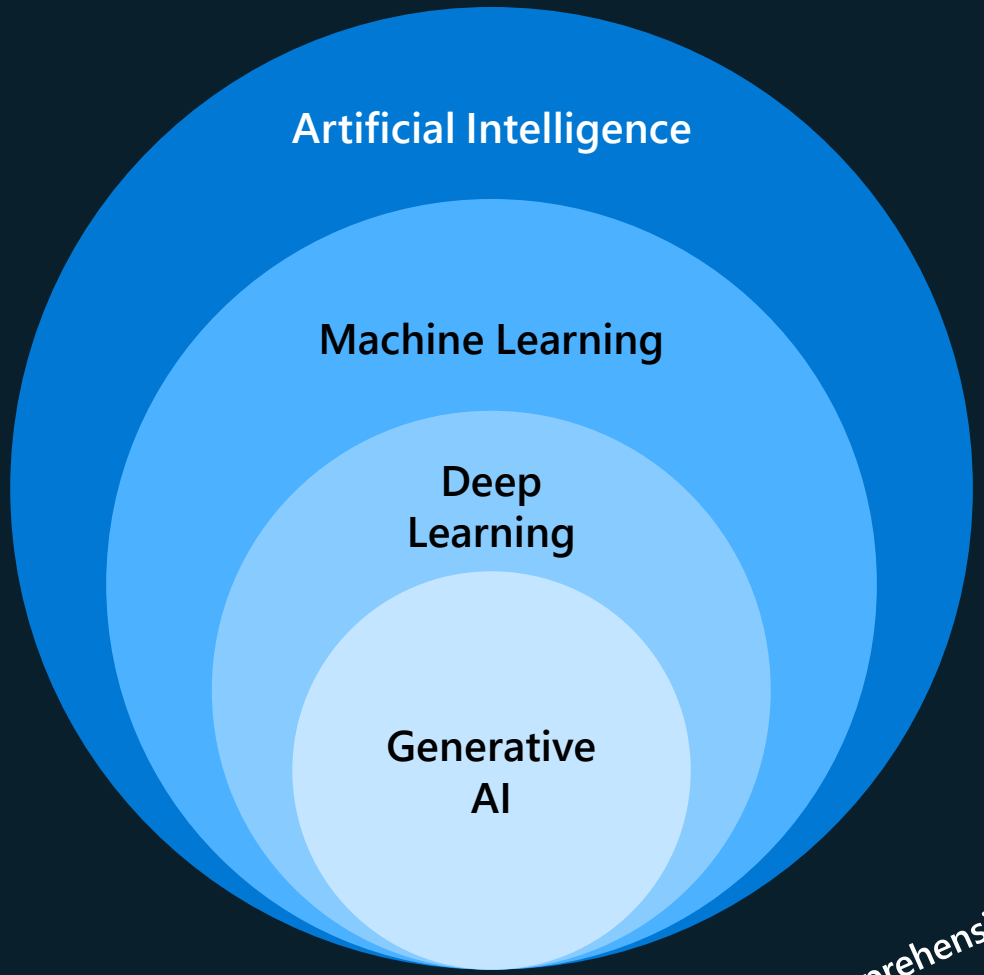
What do ChatGPT and AI mean for your business?

TechCrunch

Microsoft's Azure AI Studio lets build their own AI 'copilots'

- Artificial Intelligence Index Report 2022, Stanford University HAC 2022
- S Leadership IT Investment Survey 2022 (CSS Insights); McKinsey; EY March Report
- The state of AI in 2022--and a half decade in review | McKinsey

The journey continues with generative AI



1956

Artificial Intelligence

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

1997

Machine Learning

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

2017

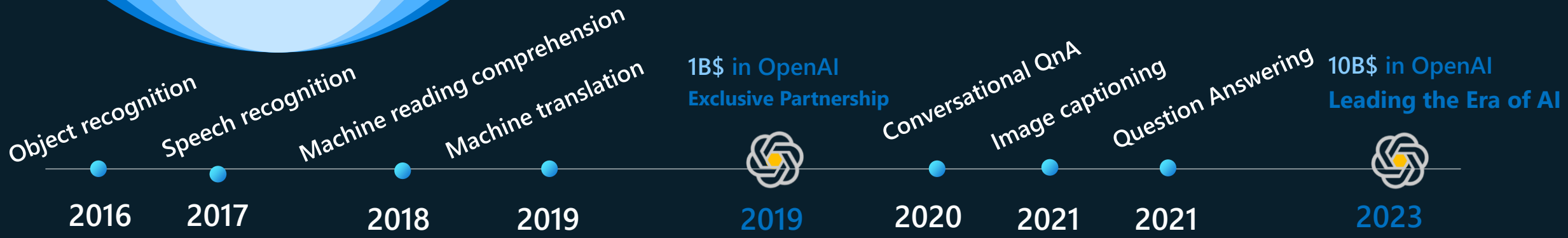
Deep Learning

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

2022

Generative AI

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



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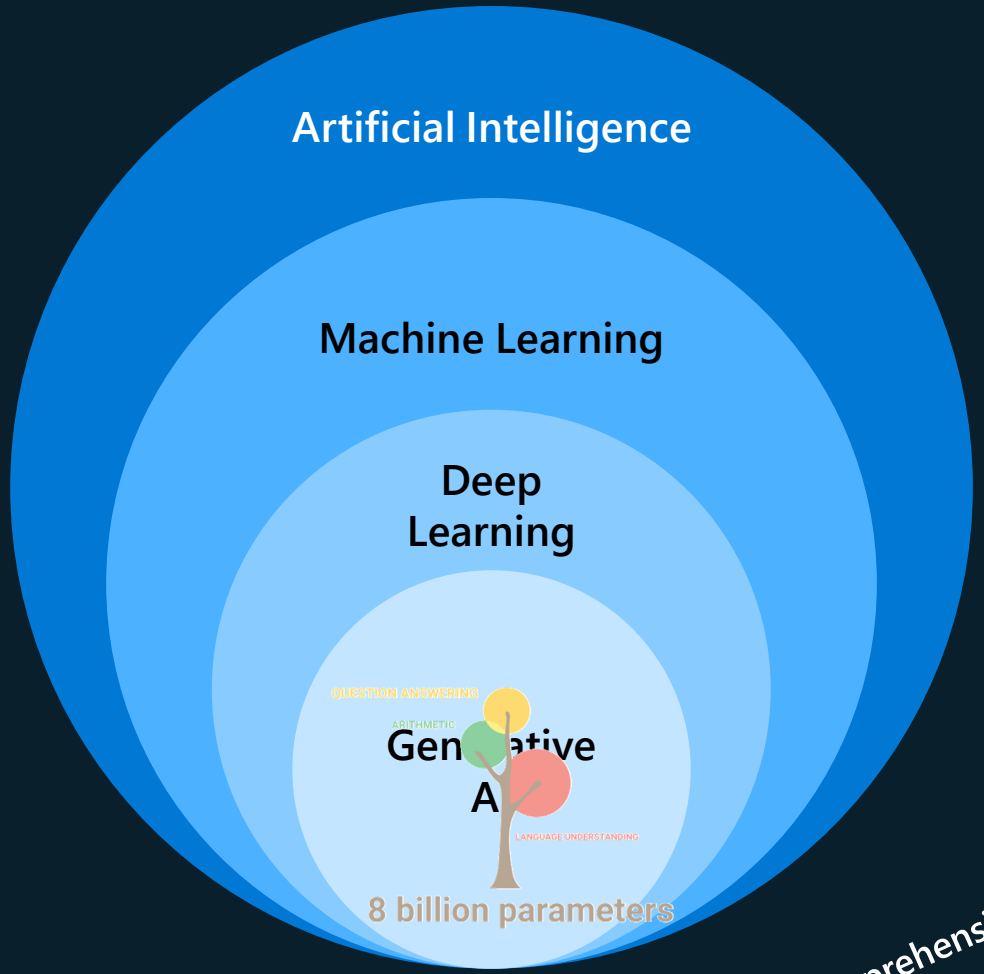

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Technology

DeepMind's AI beats world's best Go player in latest face-off

By Matt Reynolds

23 May 2017

Generative AI

Create n
existing

ChatGPT hit 1 million users in 5 days: Here's how long it took others to reach that milestone

ChatGPT crossed the one million user mark in just five days after it was made public in November 2022. How does that compare to other companies in the world of technology? We take a look.

2016 Object recognition

2017 Speech recognition

2018 Machine reading comprehension

2019 Machine translation

2019 1B$ in OpenAI **Exclusive Partnership**

2020 Conversational QnA

2021 Image captioning

2021 Question Answering

2023 10B$ in OpenAI **Leading the Era of AI**

Microsoft and OpenAI partnership

OpenAI

Ensure that artificial general intelligence (AGI) benefits humanity

Microsoft

Empower every person and organization on the planet to achieve more

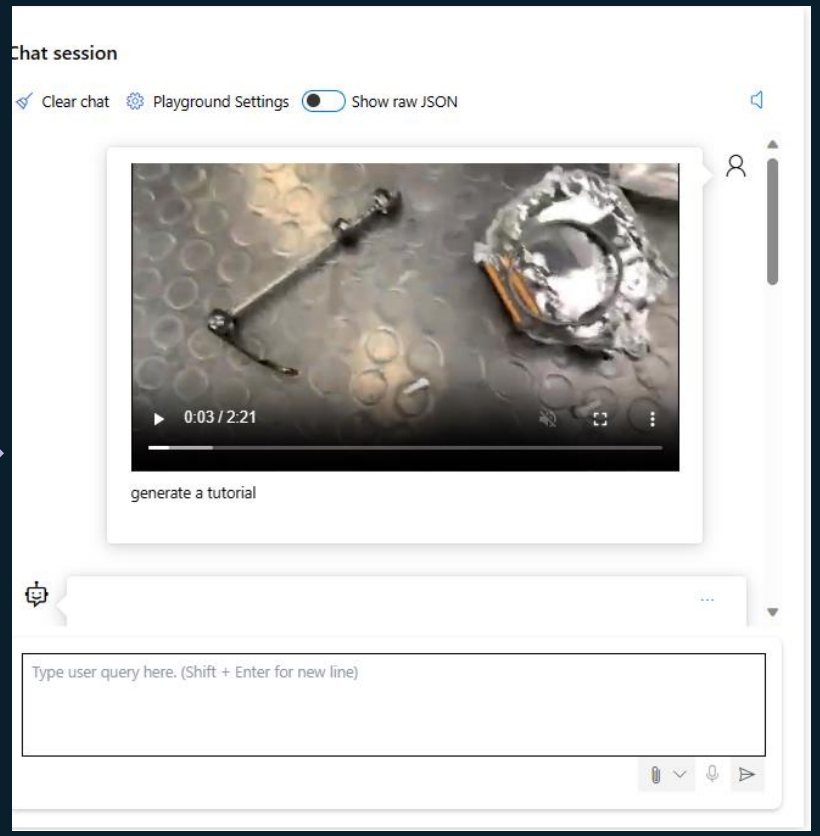
Azure OpenAI Service

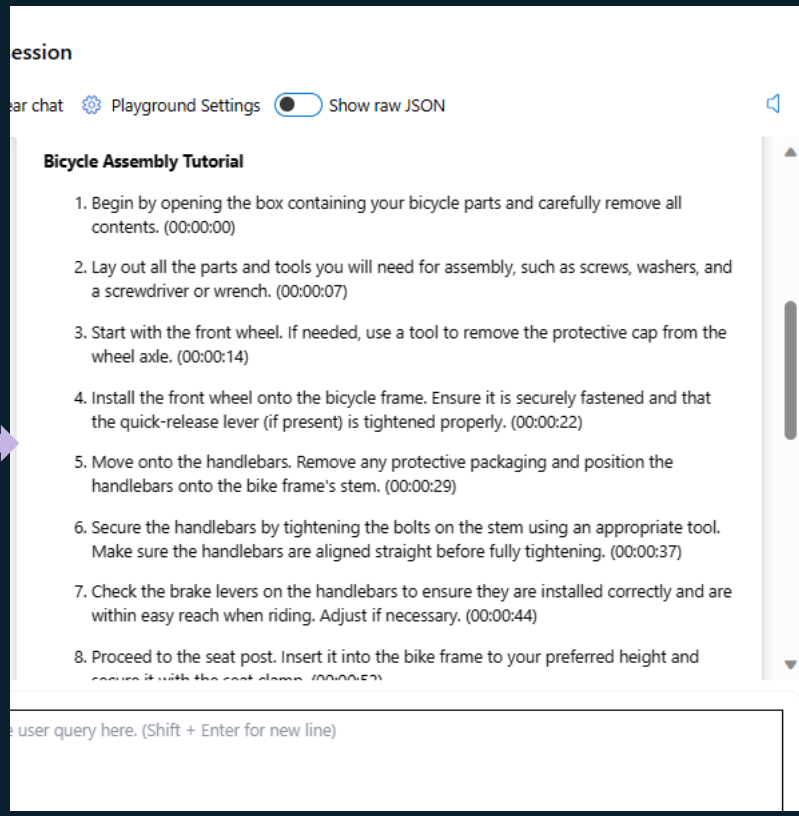
Language	Multi-Modal	Embeddings	Images	Transcription & Translation
GPT-4, GPT-4-Turbo, GPT-3.5-Turbo	New GPT-4-Turbo with Vision	Ada 002, Text embedding 3 large	New DALL·E 3	Whisper, Text to speech

New Fine-tuning	New Assistants API	Grounding	Content Safety	

Welcome to GPT4-turbo with Vision!

Tutorial generation from video





Microsoft Cloud
Runs on trust

Your data is your data

Your data from any fine-tuning is not used to train the foundation AI models

Your data is protected by the most comprehensive enterprise compliance and security controls

Microsoft's Responsible AI principles

Fairness

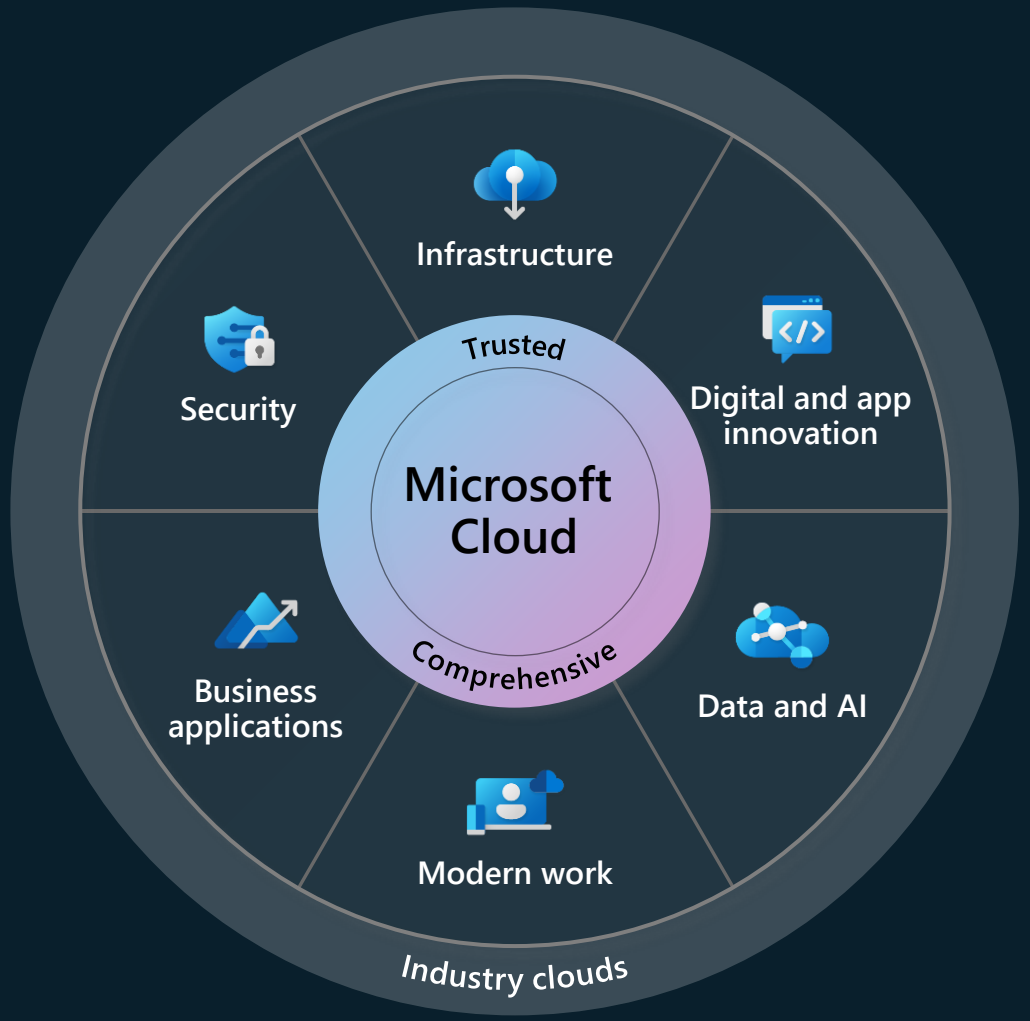
Reliability & Safety

Privacy & Security

Inclusiveness

Transparency

Accountability

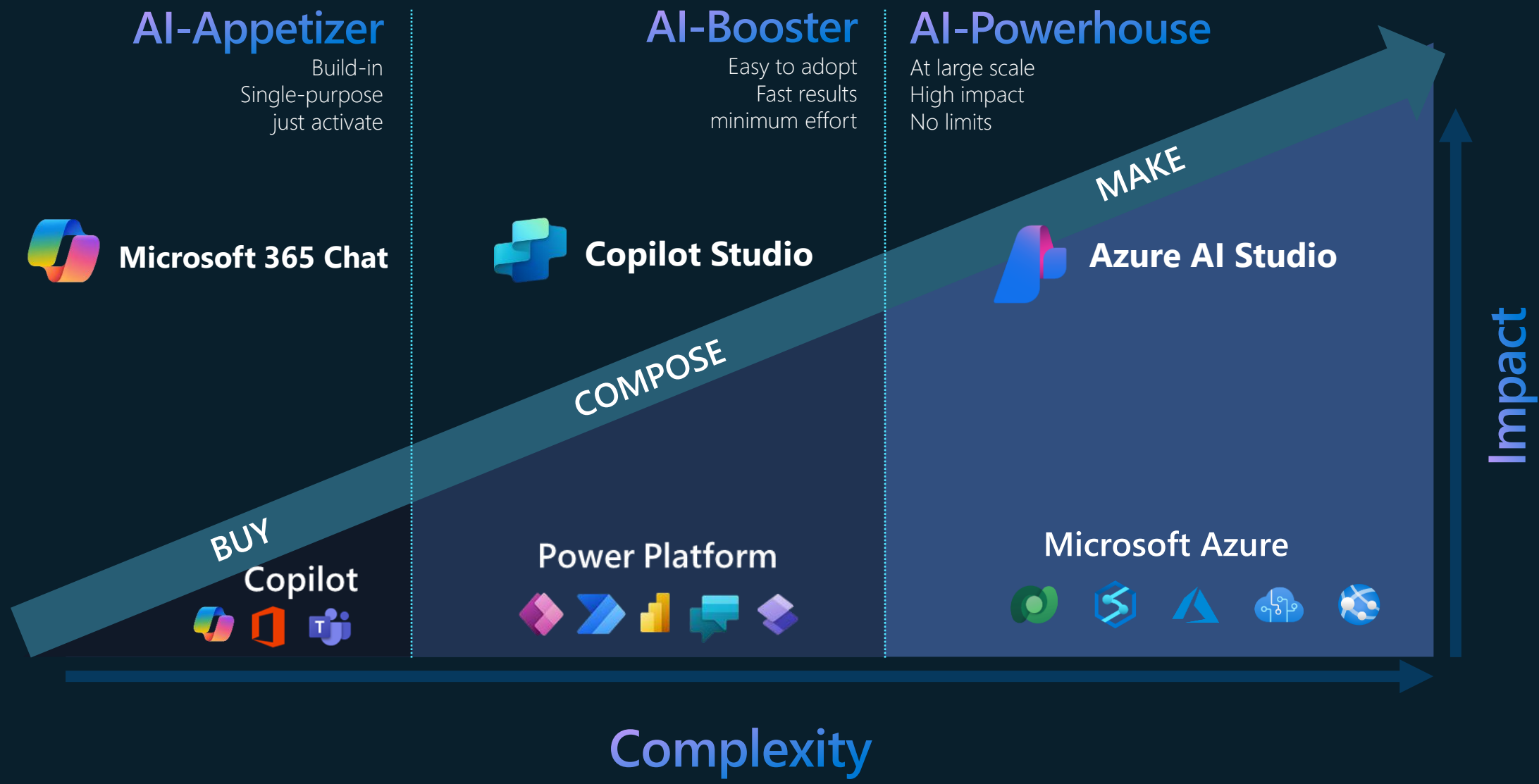


Microsoft AI Strategy

1. Radically accelerate your organization's productivity with built-in AI

2. Differentiate from the competition with intelligent apps using AI

From Copilot to enterprise-scale AI



Build your own AI capability

Your apps

Your data

Build your own copilots

Top capabilities

- Chat with your data
- Intelligent analytics
- Content generation
- Customer-facing copilots

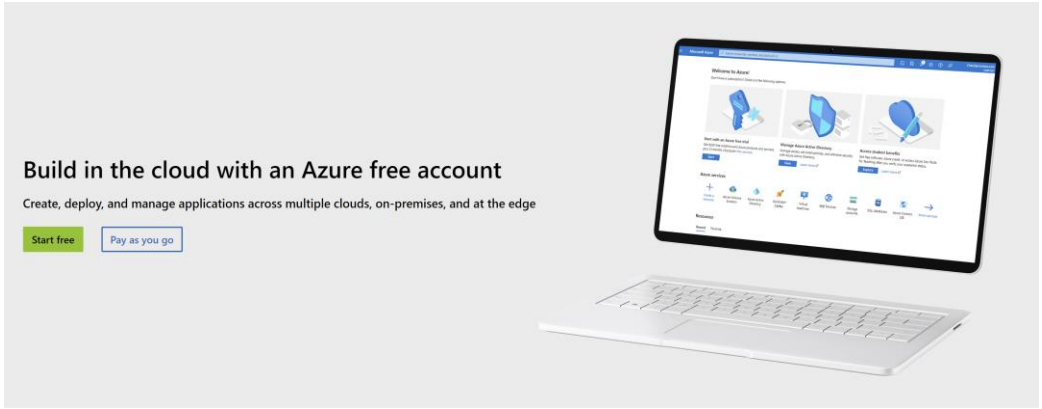
Azure OpenAI Studio

Demo

Create your own copilot

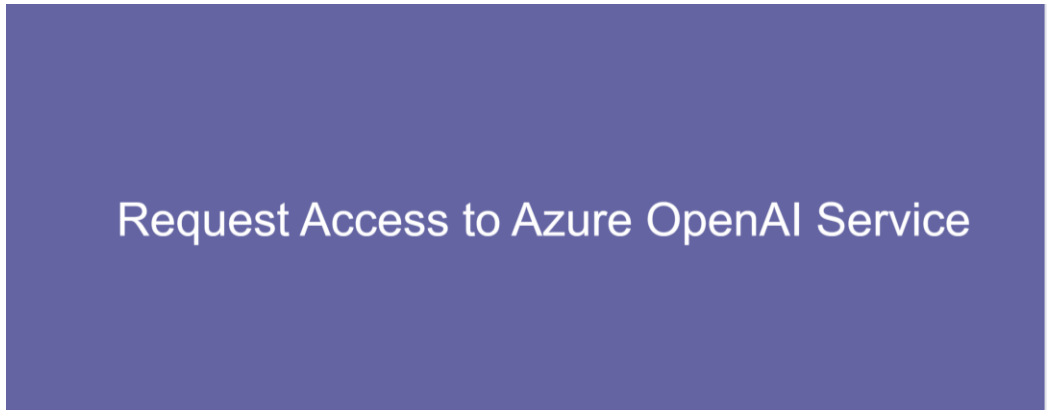
Step 0

Create an Azure Account

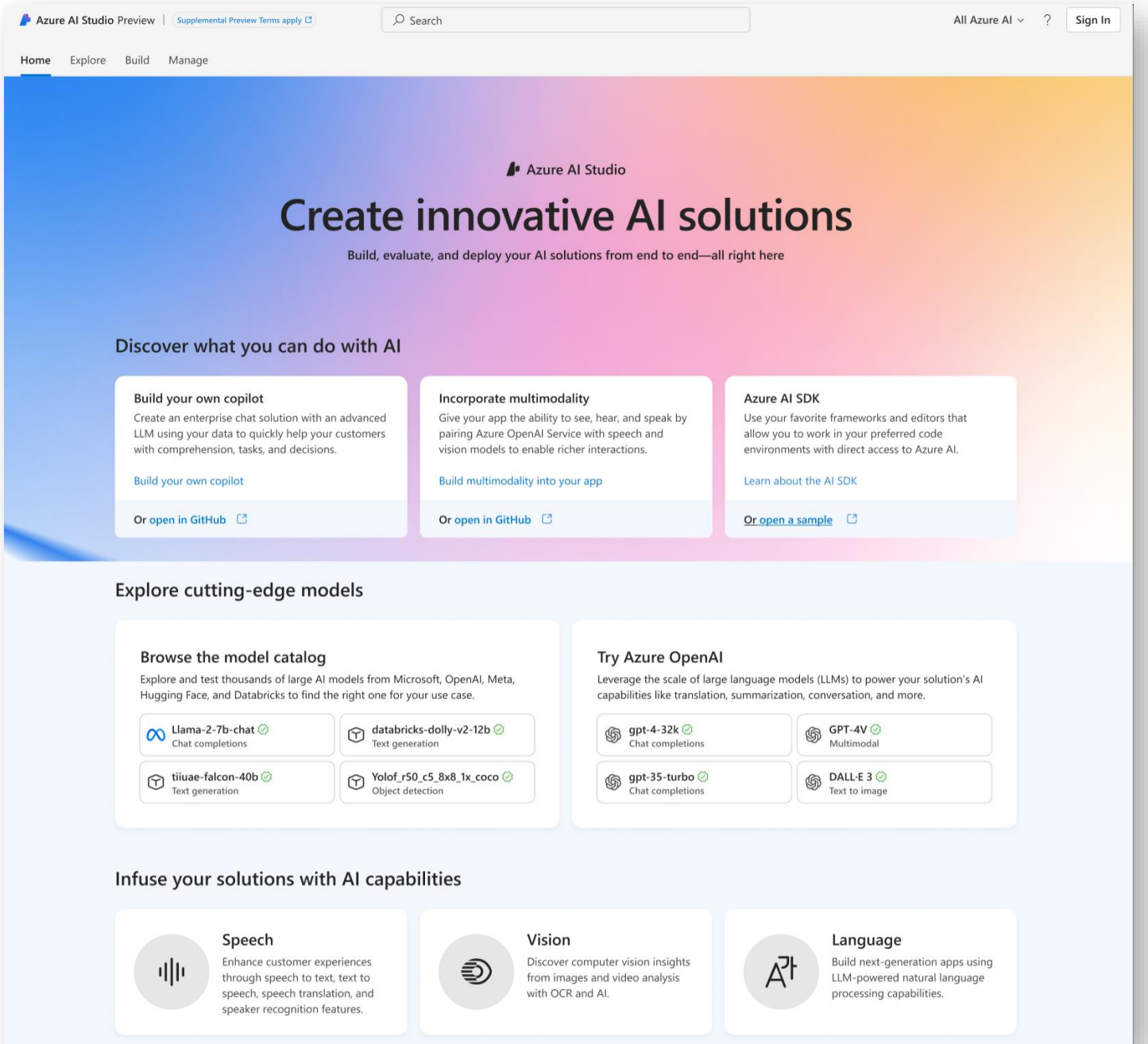


https://azure.microsoft.com/en-us/free/

Request access to Azure OpenAI service



https://aka.ms/oai/access



Azure AI Studio

Build custom copilots & generative AI solutions

- Unified platform
- Data integration
- Hybrid & semantic search
- Full development lifecycle
- Safe & responsible AI

Welcome back to Azure AI Studio

Discover what you can do with AI

Build your own copilot

Create an enterprise chat solution with an advanced LLM using your data to quickly help your customers with comprehension, tasks, and decisions.

Build your own copilot

Or Open in GitHub

Incorporate multi-modality

Give your app the ability to see, hear, and speak by pairing Azure OpenAI with speech and vision models to enable richer interactions.

Build multimodality into your app

Or Open in GitHub

Azure AI SDK

Use your favorite frameworks and editors that allow you to work in your preferred code environments with direct access to Azure AI.

Learn about the AI SDK

Or Open a sample

Recent projects

View all | + New project

Project	Azure AI resource	Description	Location	Created on
project-instancesveziace	azureai-instancesveziace		swedencentral	Dec 27, 2023 12:12 PM

Microsoft

WHAT IS AI L.A.B. FOR ITALIAN COMPANIES

Exclusive program with a personalized, flexible and modular approach.
Let's build together the goals, the timing, the topics and the use-cases!

APPROACH

Envisioning Workshops: explore the GenAI and the usecases for your industry sector.
Open AI Garage: understand the technological potential through hands-on activities.

ACCELERATE

Strategy briefings: allign your priorities, resources and competencies to the selected usecases.
Architectural Sessions: build together the needed architecture for the implementation.
MVP phase: MVP co-creation

ADVANCE

Your Copilot: create your copilot
Strategic AI Roadmap and Executive Training: define your GenAIstrategic adoption roadmap.
Thought Leadership and Networking: attend community events.

AI INFUSED COMPANY