



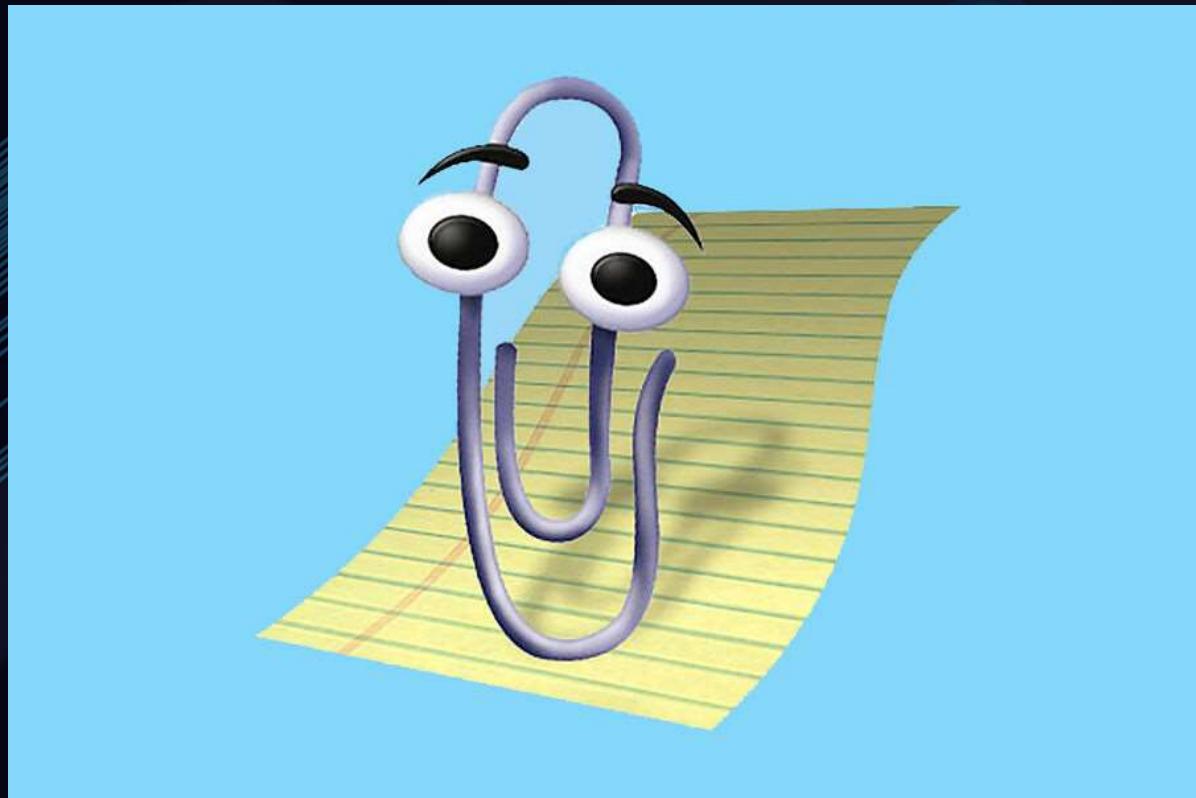
The use of AI in the Microsoft Stack

AZUG Norway

What's your visualization when thinking about AI?



What's your visualization when thinking about AI?



Session Goals

- Acknowledge change/Educate
- Inspire

Questions? Yes please



Presenter



Gerjon Kunst

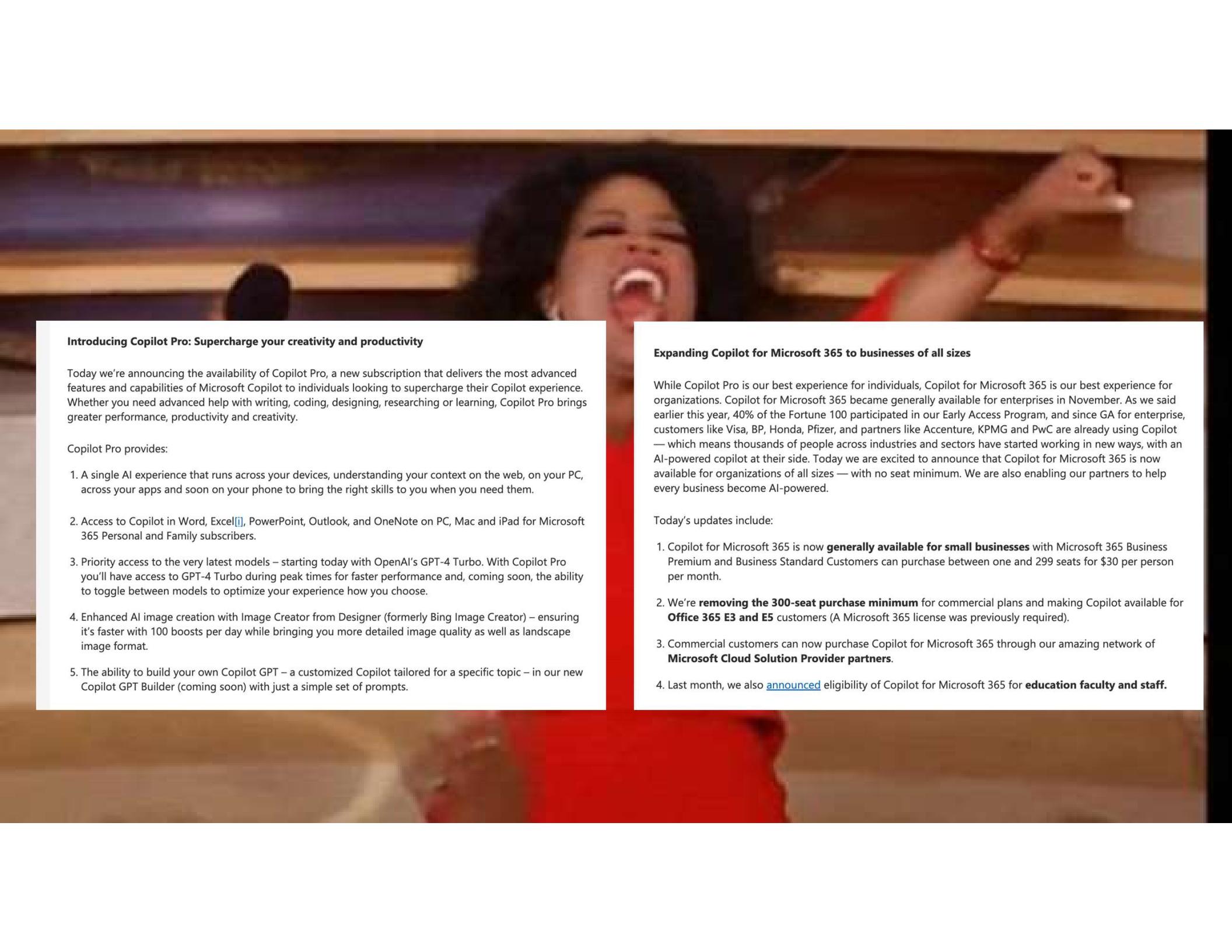
RawWorks | Innovation Officer | Citrix CTA | MCT

AGENDA

- What is AI
- History of AI
- State of AI
- AI in the Microsoft ecosystem
- Examples – BYOB
- Wrap Up







Introducing Copilot Pro: Supercharge your creativity and productivity

Today we're announcing the availability of Copilot Pro, a new subscription that delivers the most advanced features and capabilities of Microsoft Copilot to individuals looking to supercharge their Copilot experience. Whether you need advanced help with writing, coding, designing, researching or learning, Copilot Pro brings greater performance, productivity and creativity.

Copilot Pro provides:

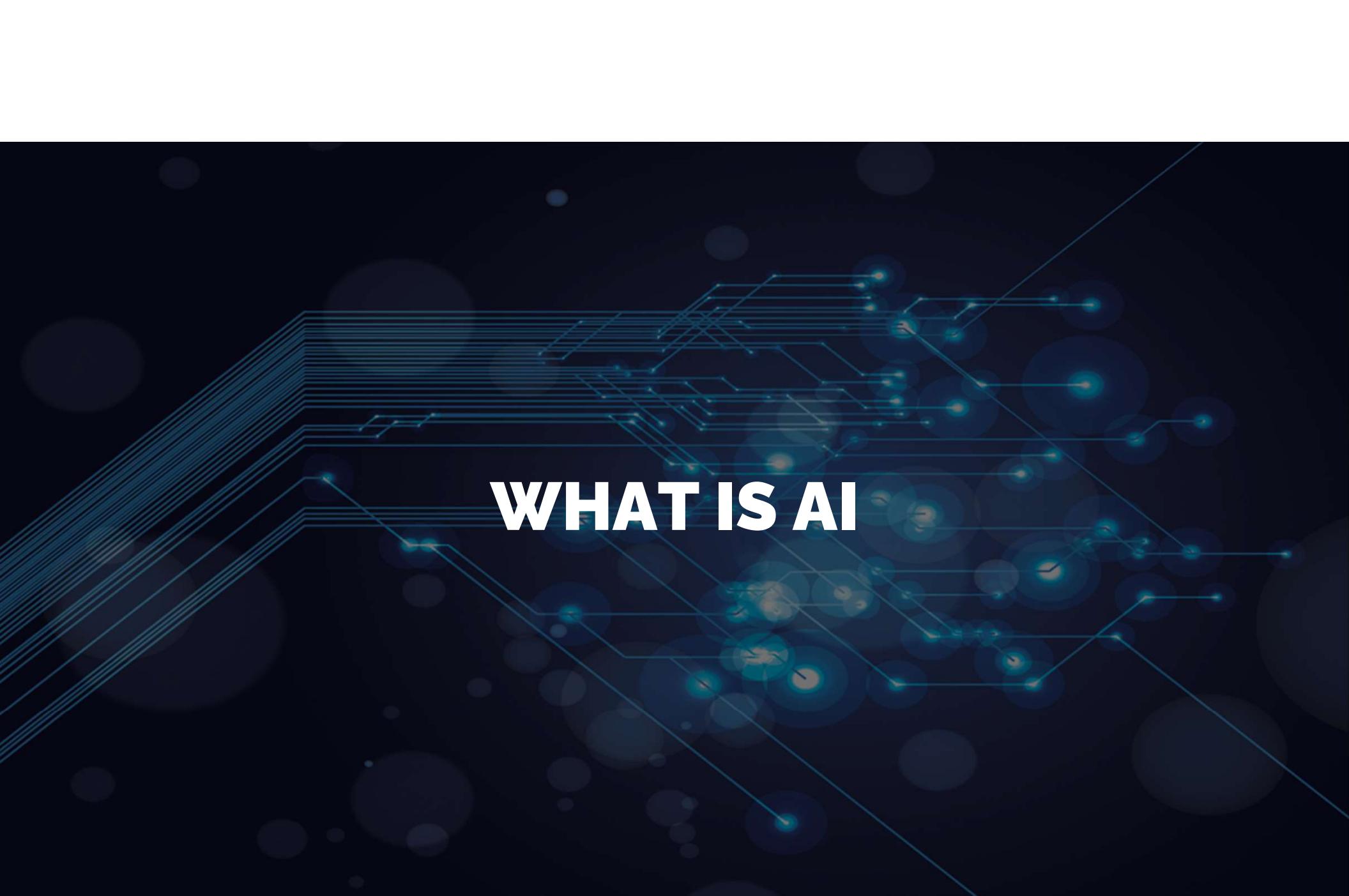
1. A single AI experience that runs across your devices, understanding your context on the web, on your PC, across your apps and soon on your phone to bring the right skills to you when you need them.
2. Access to Copilot in Word, Excel^[i], PowerPoint, Outlook, and OneNote on PC, Mac and iPad for Microsoft 365 Personal and Family subscribers.
3. Priority access to the very latest models – starting today with OpenAI's GPT-4 Turbo. With Copilot Pro you'll have access to GPT-4 Turbo during peak times for faster performance and, coming soon, the ability to toggle between models to optimize your experience how you choose.
4. Enhanced AI image creation with Image Creator from Designer (formerly Bing Image Creator) – ensuring it's faster with 100 boosts per day while bringing you more detailed image quality as well as landscape image format.
5. The ability to build your own Copilot GPT – a customized Copilot tailored for a specific topic – in our new Copilot GPT Builder (coming soon) with just a simple set of prompts.

Expanding Copilot for Microsoft 365 to businesses of all sizes

While Copilot Pro is our best experience for individuals, Copilot for Microsoft 365 is our best experience for organizations. Copilot for Microsoft 365 became generally available for enterprises in November. As we said earlier this year, 40% of the Fortune 100 participated in our Early Access Program, and since GA for enterprise, customers like Visa, BP, Honda, Pfizer, and partners like Accenture, KPMG and PwC are already using Copilot — which means thousands of people across industries and sectors have started working in new ways, with an AI-powered copilot at their side. Today we are excited to announce that Copilot for Microsoft 365 is now available for organizations of all sizes — with no seat minimum. We are also enabling our partners to help every business become AI-powered.

Today's updates include:

1. Copilot for Microsoft 365 is now **generally available for small businesses** with Microsoft 365 Business Premium and Business Standard Customers can purchase between one and 299 seats for \$30 per person per month.
2. We're **removing the 300-seat purchase minimum** for commercial plans and making Copilot available for **Office 365 E3 and E5** customers (A Microsoft 365 license was previously required).
3. Commercial customers can now purchase Copilot for Microsoft 365 through our amazing network of **Microsoft Cloud Solution Provider partners**.
4. Last month, we also [announced](#) eligibility of Copilot for Microsoft 365 for **education faculty and staff**.

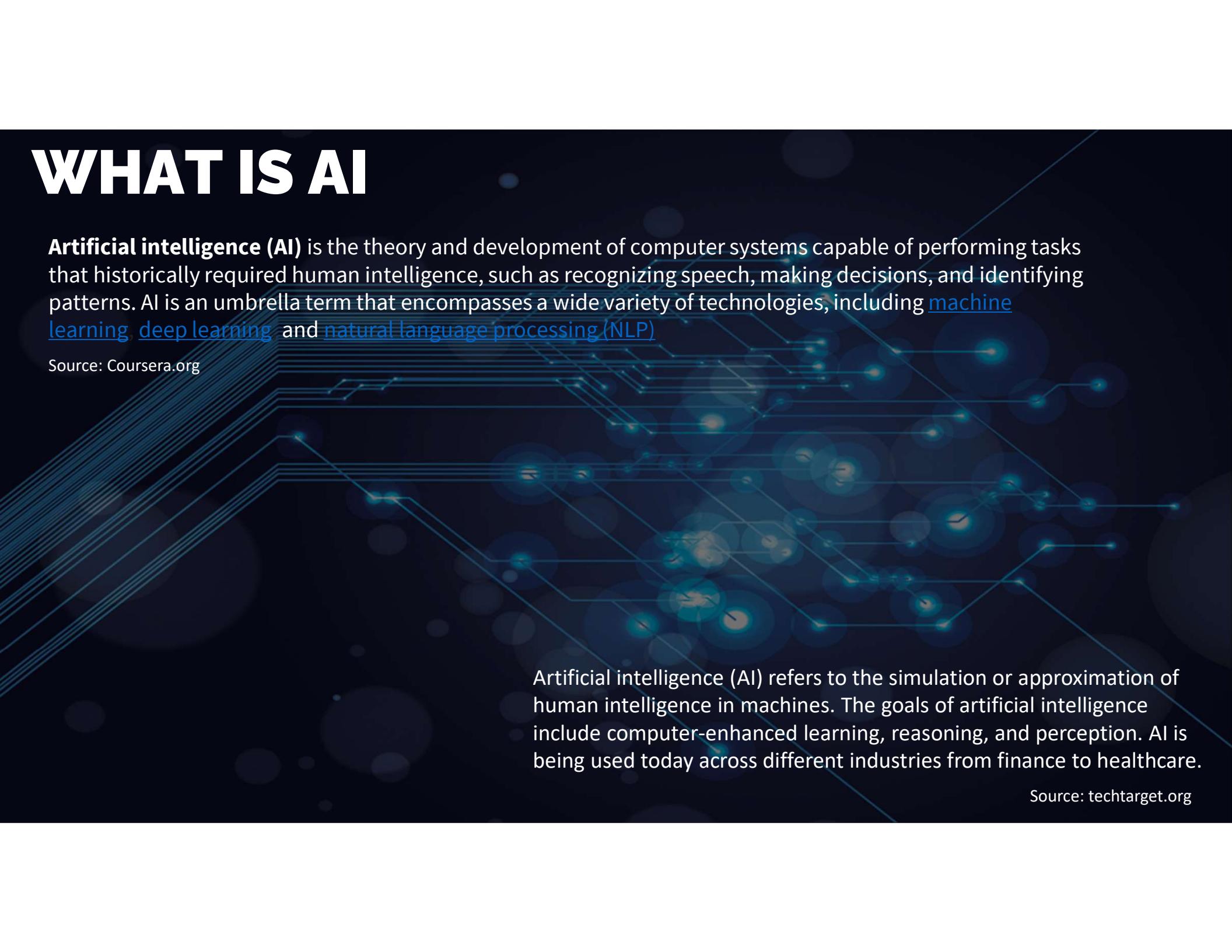


WHAT IS AI

WHAT IS AI

Artificial intelligence (AI) is the theory and development of computer systems capable of performing tasks that historically required human intelligence, such as recognizing speech, making decisions, and identifying patterns. AI is an umbrella term that encompasses a wide variety of technologies, including [machine learning](#), [deep learning](#), and [natural language processing \(NLP\)](#).

Source: Coursera.org



Artificial intelligence (AI) refers to the simulation or approximation of human intelligence in machines. The goals of artificial intelligence include computer-enhanced learning, reasoning, and perception. AI is being used today across different industries from finance to healthcare.

Source: techtarget.org

THE EVOLVING OF AI

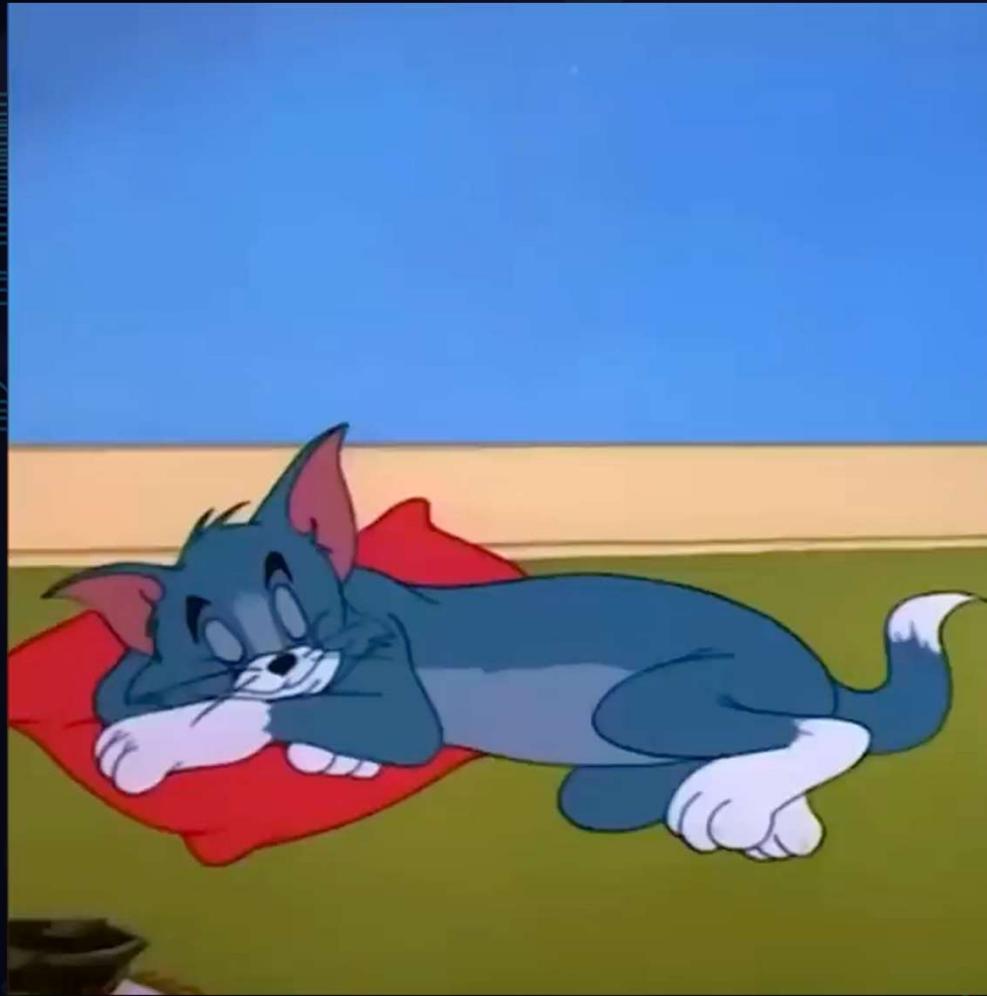
1. Rule or knowledge based system (thermostat)
2. Context-Based & Retention System (Alexa/Siri)
3. Narrow Domain or Expert AI System (ChatGPT/Watson)
4. Reasoning AI System (Tesla)
5. Self-Aware Systems (knows when to ask for help)
6. Artificial General Intelligence (AGI) (like us)
7. Artificial Super Intelligence (ASI) (better than us)
8. Transcendent AI (mind over matter)
9. Cosmic AI (AI in space)
10. God-Like AI (Skynet ;-))

Source: <https://www.linkedin.com/pulse/ten-stages-ai-development-from-rule-based-systems-art-tawanghar/>



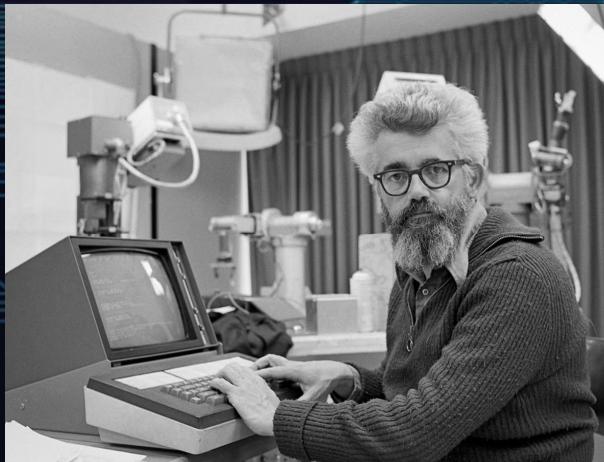
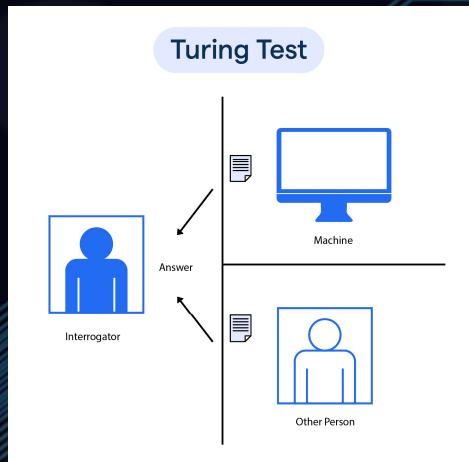
THE HISTORY OF AI

THE HISTORY OF AI



History of AI

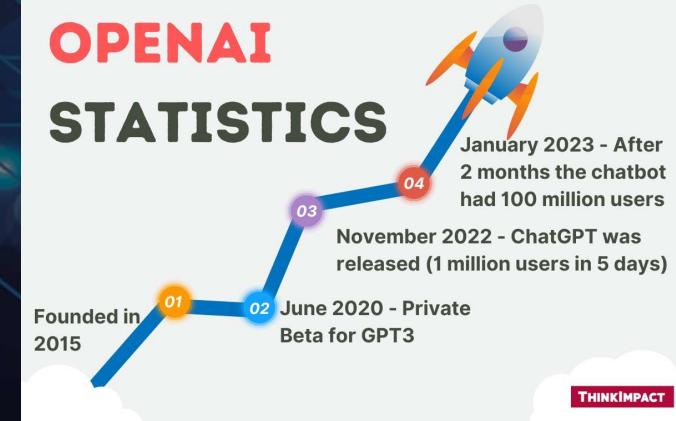
The Inception and Early Years (1950s - 1970s)



History of AI (1980 – 2023)



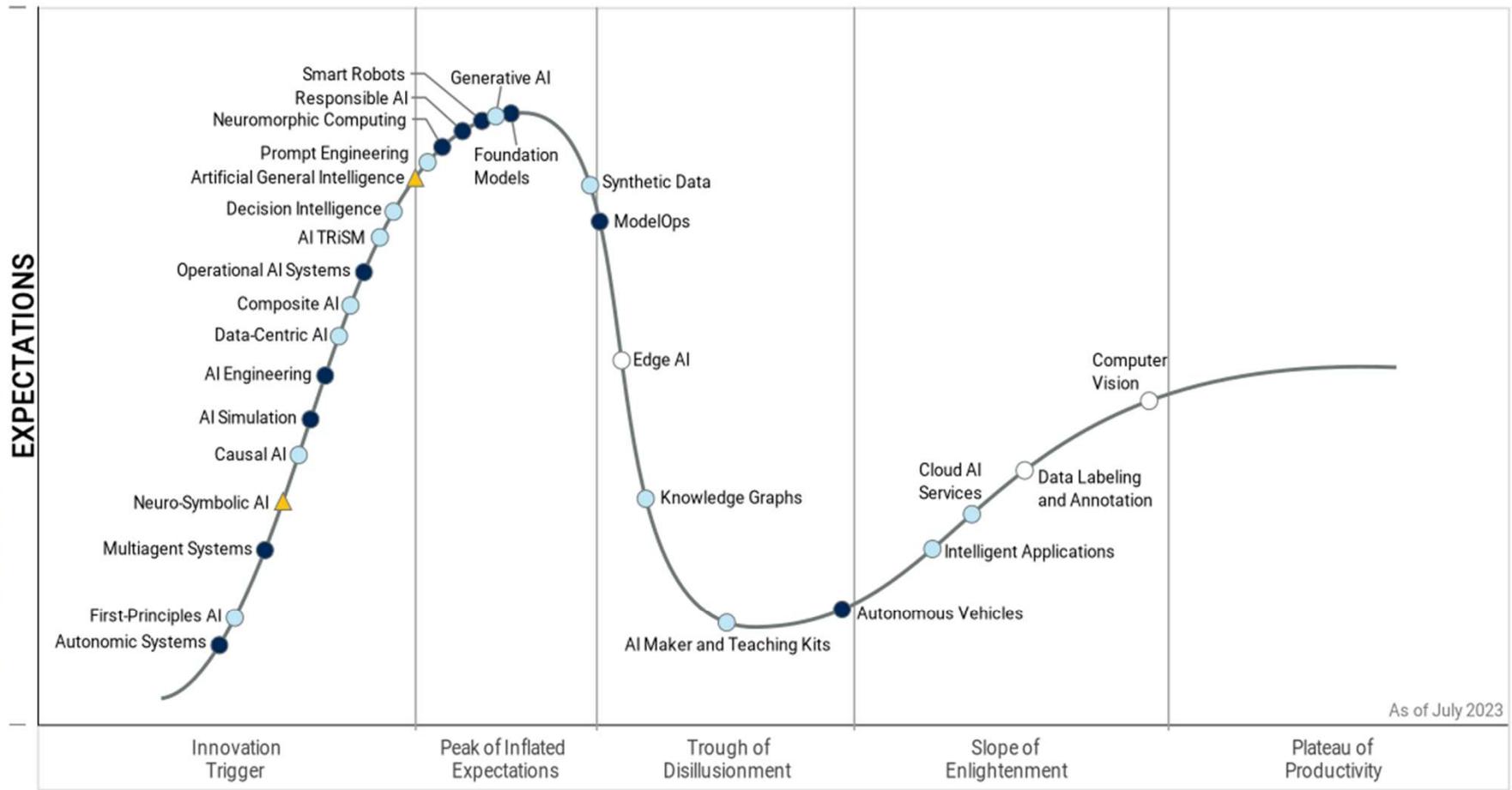
The OpenAI logo, which consists of a purple circular icon with three interlocking nodes, is displayed above the word "OpenAI" in a large, bold, purple sans-serif font. Below "OpenAI", the text "GPT-3, an autoregressive language model with 175 billion parameters" is written in a smaller, gray font.





THE STATE OF AI

Hype Cycle for Artificial Intelligence, 2023



Gartner

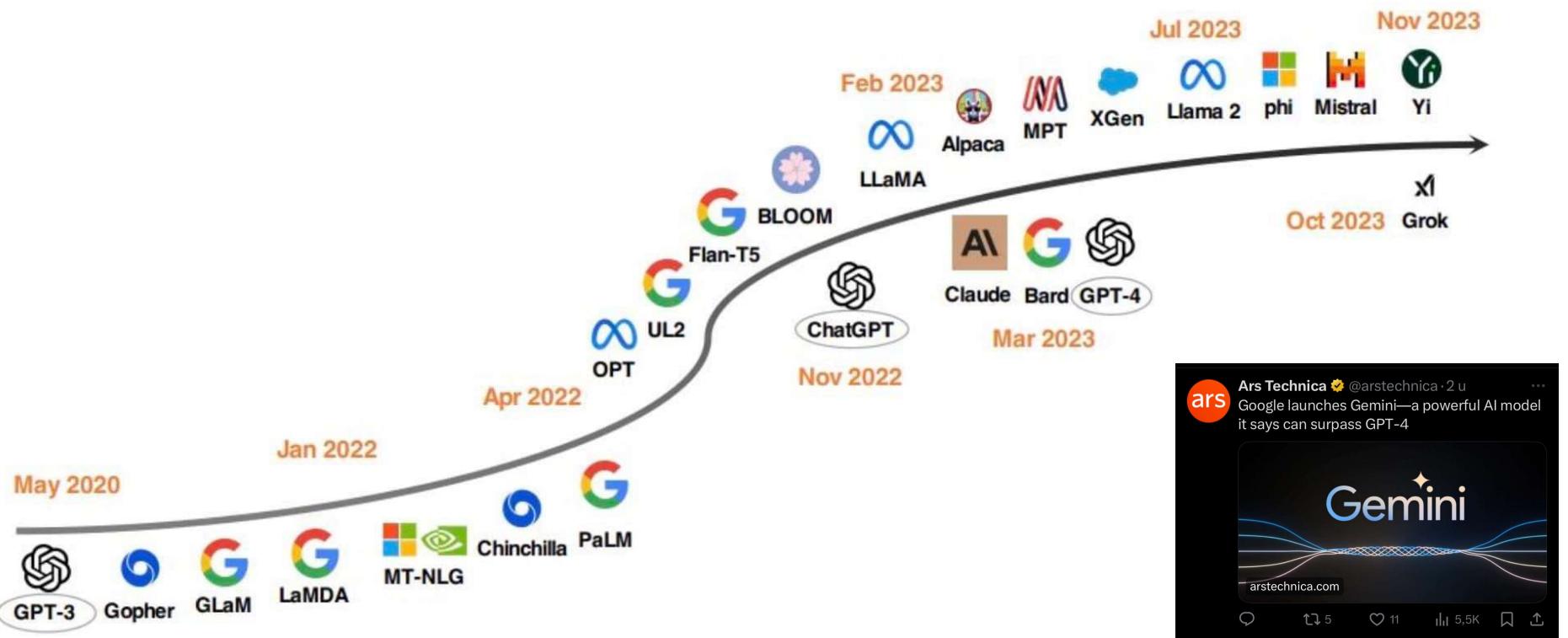


Figure 3: LLM development timeline. The models below the arrow are closed-source while those above the arrow are open-source.



[Mobileye](#)

[Palantir](#)

[Dynatrace](#)

[UiPath](#)

[C3 AI](#)

[SentinelOne](#)

[Upstart](#)

[Bayonet AI](#)

[Darktrace](#)

[Aurora Innovation](#)

THE BIG PLAYERS



NVIDIA.



TESLA



<https://www.stash.com/learn/top-ai-companies/>

Start your journey

- ChatGPT/Bard/..
- Dall-E/Midjourney/picsart
- Countless others [152 Best AI Tools Of 2023 \(Fresh Update!\) \(synthesia.io\)](#)
- Business application integrations
- Custom LLM Bots

Microsoft based

- Microsoft Co-Pilots
 - GitHub
 - Azure
 - Microsoft 365
 - Power Platform
 - Windows/Edge
 - Security
- Designer
- BYOB
 - Github repo's
 - Custom Co-pilot (Power Virtual Agents)
 - Azure OpenAI

AI IN THE MICROSOFT WORLD



AI IN THE MICROSOFT WORLD

news.microsoft.com/source/features/ai/microsoft-approach-to-ai/

At Microsoft, we believe artificial intelligence (AI) is the defining technology of our time.

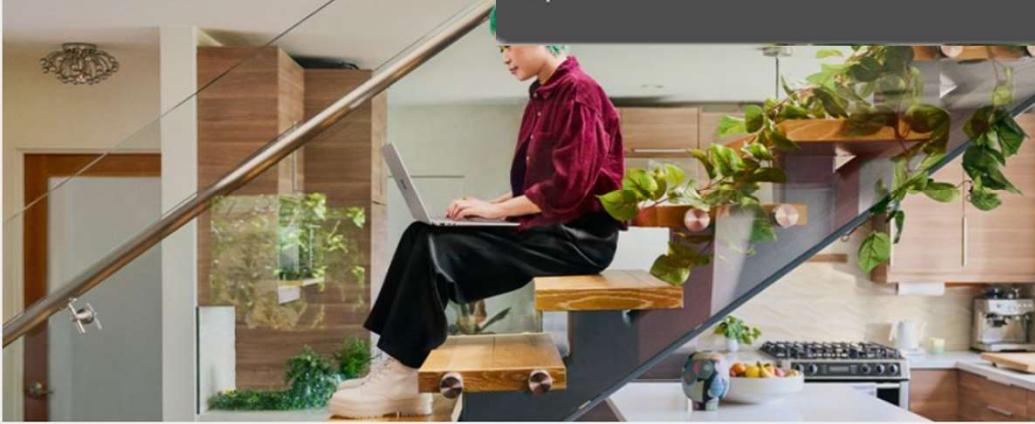
At Microsoft, we believe artificial intelligence (AI) is the defining technology of our time.

We have been on the forefront of cutting-edge research in AI and integrating these powerful, innovative AI technologies into our products and services to help customers do more.

[Microsoft AI](#), powered by [Azure](#), provides billions of intelligent experiences every day in Windows, Xbox, Microsoft 365, Teams, [Azure AI](#), Power Platform, Dynamics 365 and Microsoft Defender.

https://news.microsoft.com/ignite-2023-book-of-news/

Microsoft / Stories



ai | 1/207

Download Visual Assets

English >

Why is Microsoft OpenAI/Copilot is different from OpenAI

- **Data Security**
- **Control**
- **Risk of Intellectual Property (IP) Exposure**
- **Customization**
- **Private Access**
- **Compliance and Governance**
- **Fine-tuning on Proprietary Data**
- **Integration with Azure Services**
- **Futureproofing**

Note: OpenAI released Chat GPT team that counters some of these issues

Microsoft A.I. Landscape



AI-Powered
Productivity



Teams
Premium

Copilots

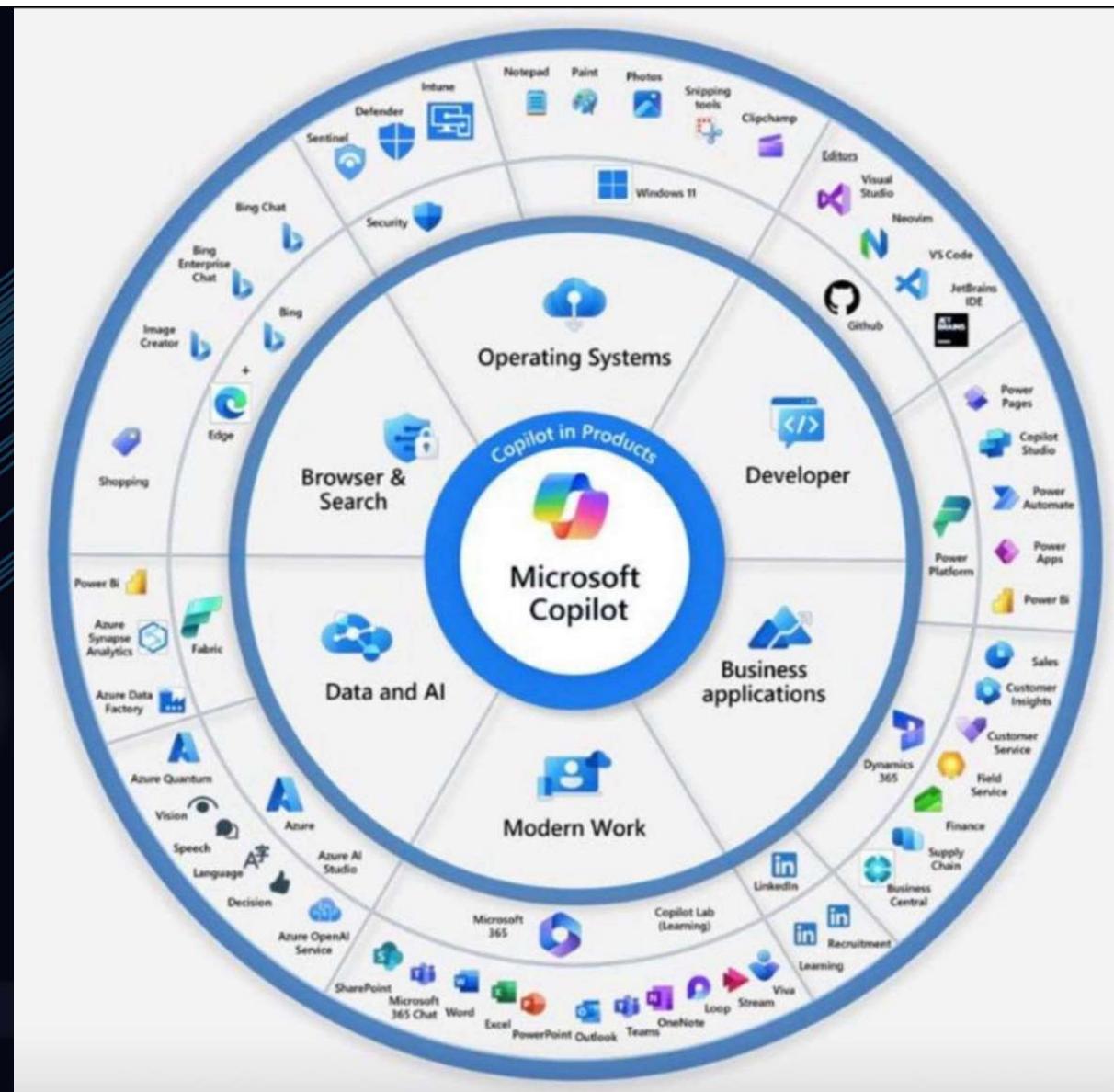
Bing Chat

AI-Powered
Solutions



Azure OpenAI

Azure Machine
Learning



Microsoft A.I. Landscape

Copilot

Copilot for Dynamics365
Copilot for Microsoft 365
Copilot for Azure
Copilot in Bing
Copilot in Powerplatform
Copilot in Windows
Copilot in Github

Extend Copilot

Low code development
And/or
Plugins, message extention or connectors

Build your own Copilot

Azure AI services through **Azure AI studio**

Pre-built Azure AI services through
Microsoft Copilot Studio

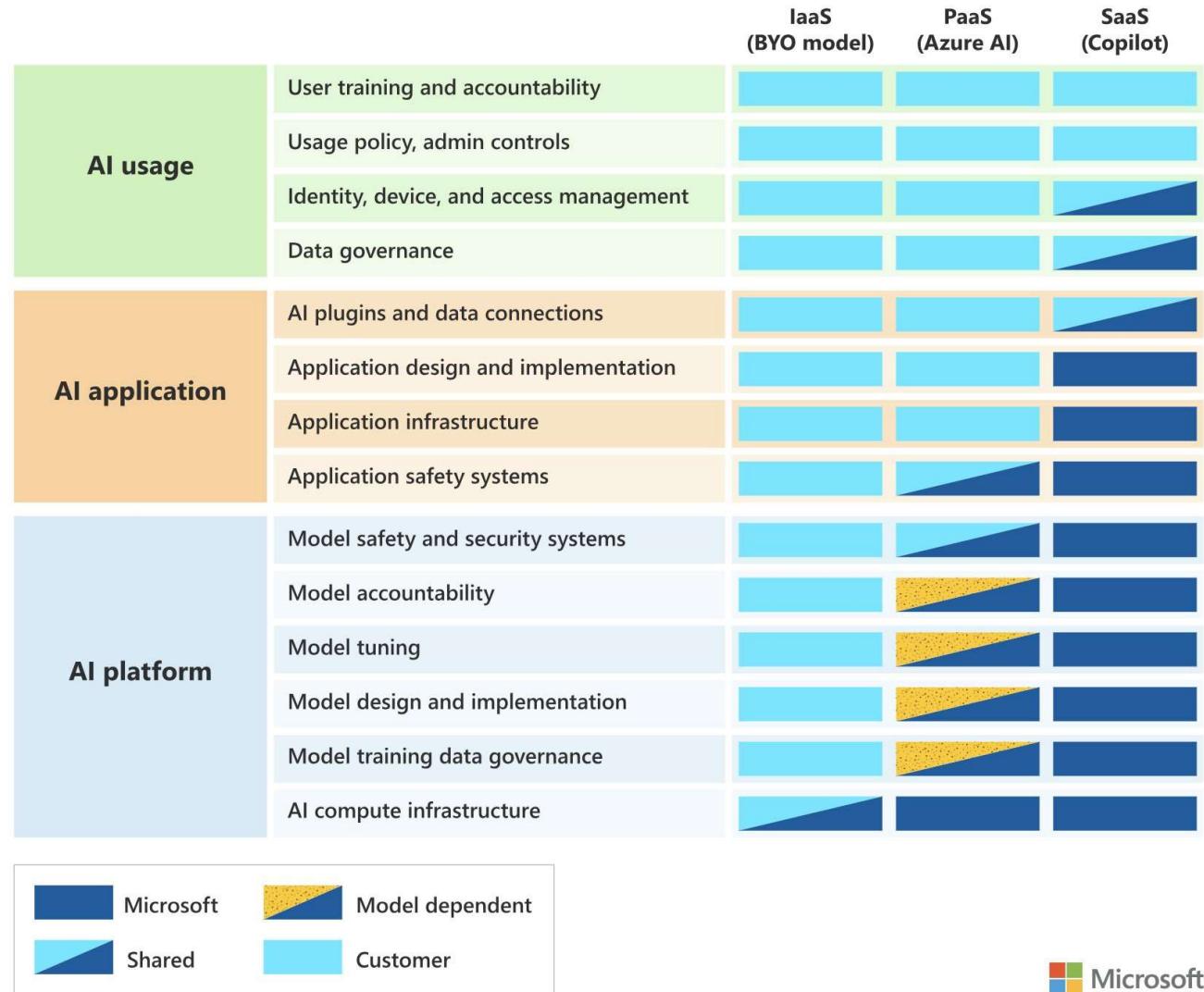
Start from scratch

Azure AI services etc.
based on High code

Or running on own infrastructure

Who's the Boss?

AI shared responsibility model

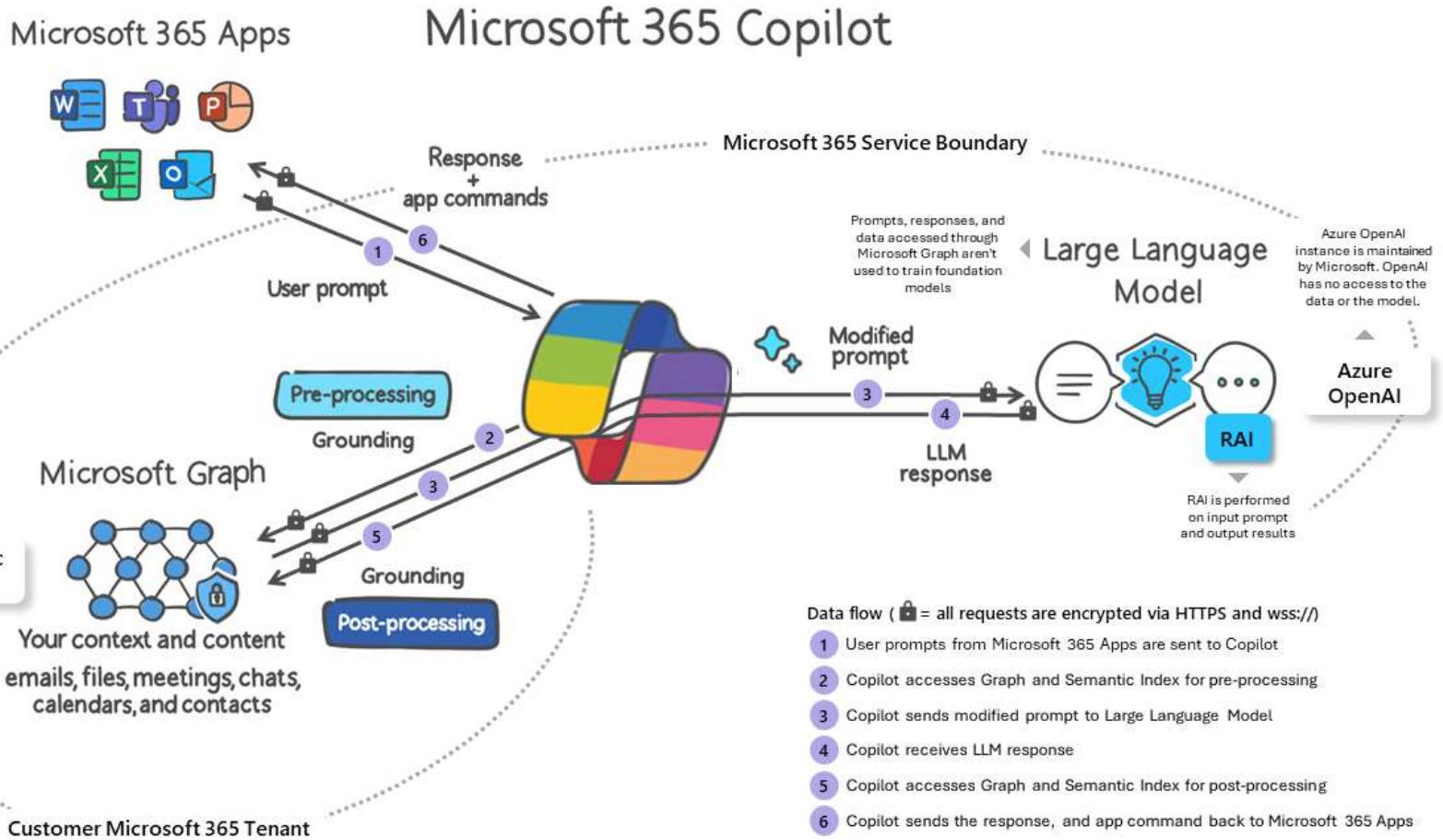




Show time



AZURE CO-PILOT



Automatisch opslaan Zoeken

Presentatie1 - PowerPoint Algemeen* Gerjon Kunst | RawWorks

Bestand Start Invoegen Tekenen Ontwerpen Overgangen Animaties Dia voorstelling Opnemen Controleeren Beeld Help

Plakken Nieuwe Dia's opnieuw gebruiken

Klembord Dia's

Lettertype Alinea Tekenen Spraak

Vormen Schikken Snelle stijlen Bewerken Dicteren Vertrouwelijkheid

Invoegtoepassingen Designer Copilot

1

Klikken om een titel toe te voegen

Klikken om een ondertitel toe te voegen

Copilot

I can chat, respond to questions, and help you draft this presentation.

Here are some things you can try...

- Create a presentation...
- Create presentation from file...
- Add a slide about...

Create a presentation about the history of the AZUG norway

58/2000

A screenshot of the Microsoft PowerPoint application window. The ribbon menu at the top includes 'Bestand', 'Start' (selected), 'Invoegen', 'Tekenen', 'Ontwerpen', 'Overgangen', 'Animaties', 'Dia voorstelling', 'Opnemen', 'Controleeren', 'Beeld', and 'Help'. Below the ribbon are various toolbars for clipboard operations, inserting shapes, and text styling. The main content area shows a single slide with a large text box containing the placeholder 'Klikken om een titel toe te voegen' and a smaller text box below it containing 'Klikken om een ondertitel toe te voegen'. On the right side of the slide, there is a 'Copilot' sidebar with a dark background. It features a 'Copilot' icon, a welcome message 'I can chat, respond to questions, and help you draft this presentation.', a section titled 'Here are some things you can try...' with three buttons ('Create a presentation...', 'Create presentation from file...', 'Add a slide about...'), and a final message 'Create a presentation about the history of the AZUG norway'. The status bar at the bottom shows '58/2000'.

A wide-angle photograph of a fjord at sunset. The sky is a vibrant blue with scattered white and orange clouds. The water in the foreground is very still, creating a perfect mirror reflection of the surrounding mountains. On either side of the fjord are steep, dark green mountains. In the distance, more mountain peaks are visible, some with snow or ice. A small town or industrial area with several buildings and boats is visible on the right side of the water.

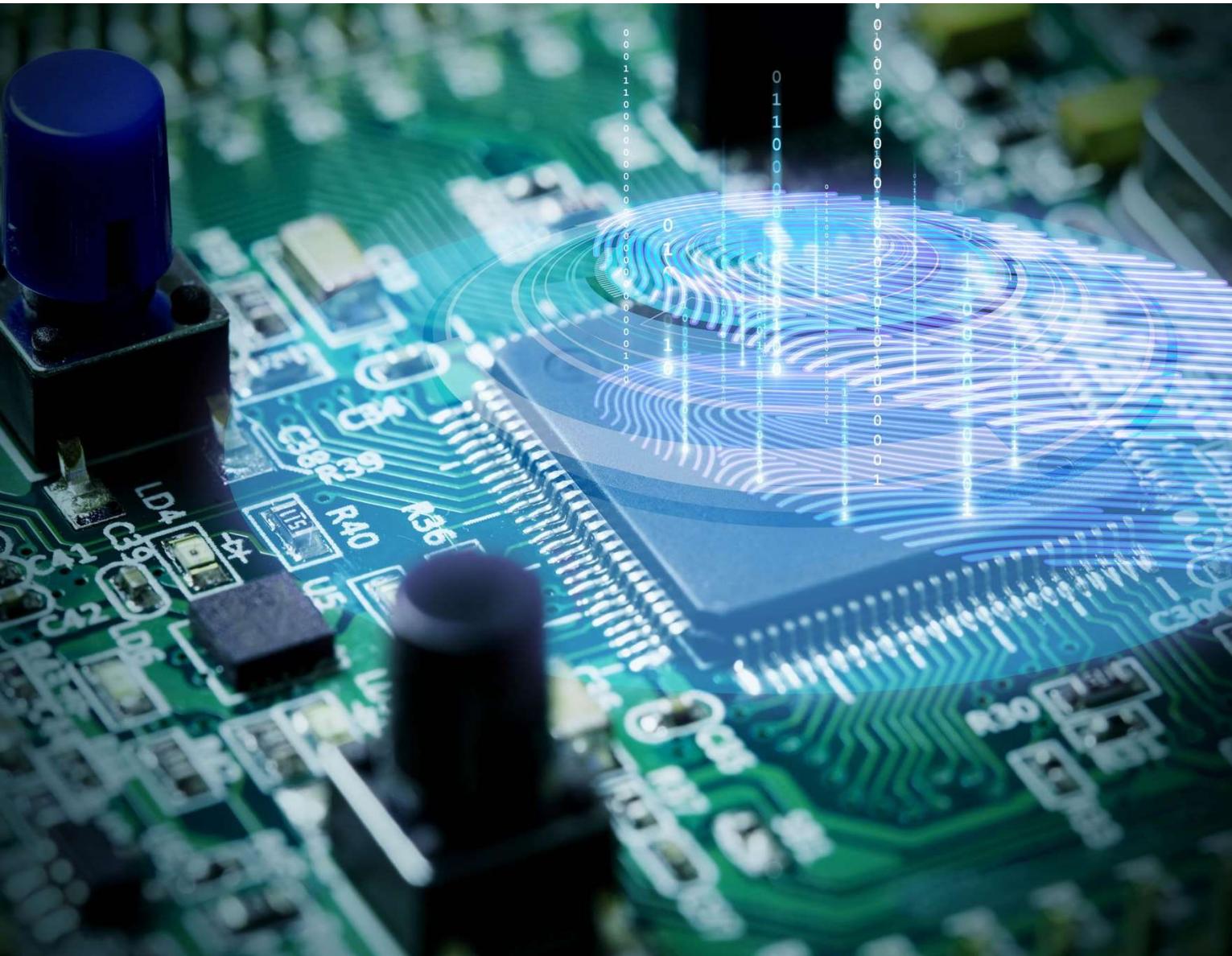
The History of AZUG Norway

Founding of AZUG Norway

- AZUG Norway was founded in 2010
- The first meeting was held in February 2010
- The founding members were Martin Bekkelund, Øyvind Kallstad, and Jan Tore Pedersen



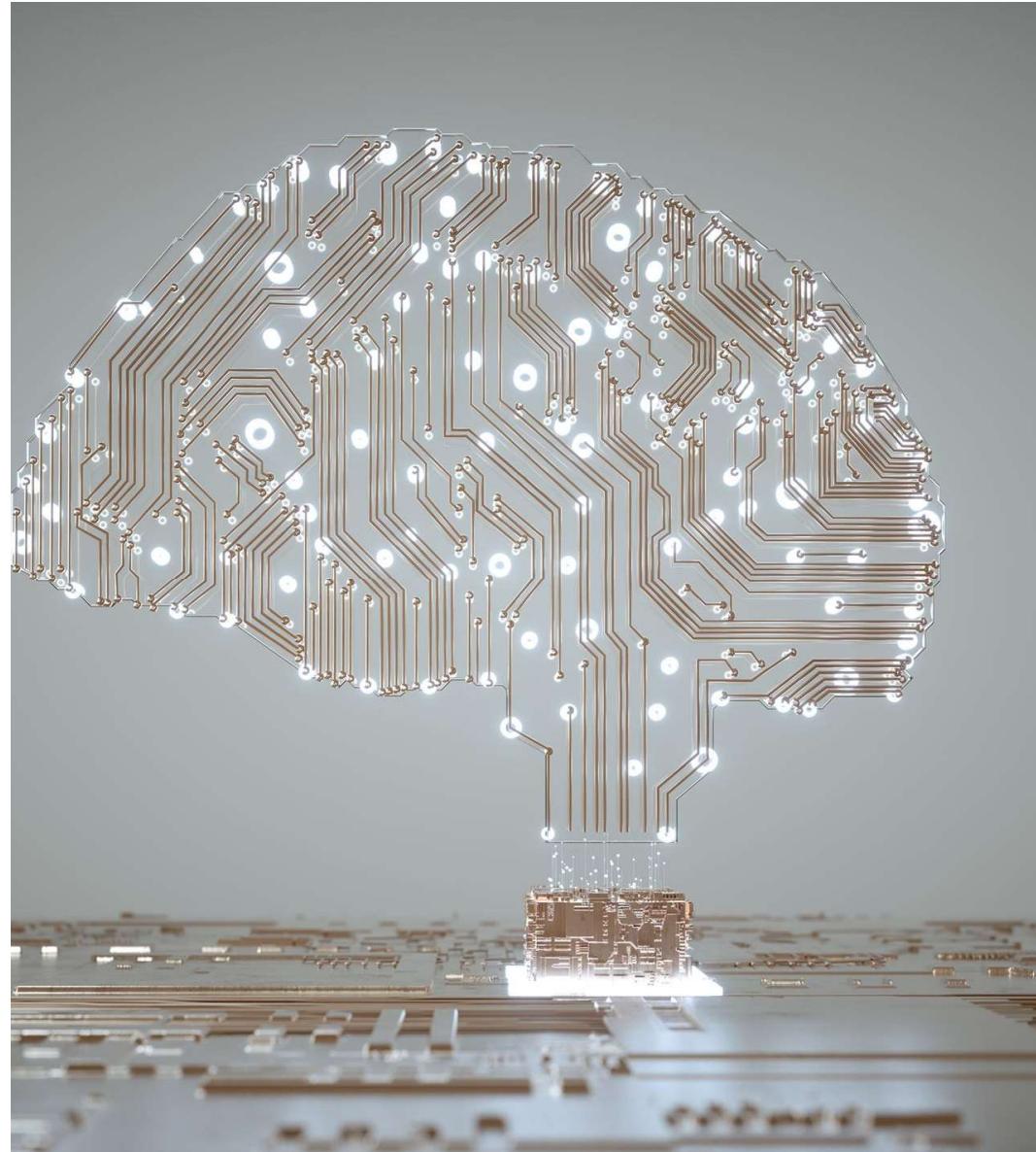
Early Years of AZUG Norway



- AZUG Norway held regular meetings and workshops
- The community focused on .NET Framework and Azure
- AZUG Norway hosted the first Azure Saturday in Norway in 2015

Recent Years of AZUG Norway

- AZUG Norway has continued to grow
- The community has expanded its focus to include AI and machine learning
- AZUG Norway has hosted many successful events, including Global Azure Bootcamp



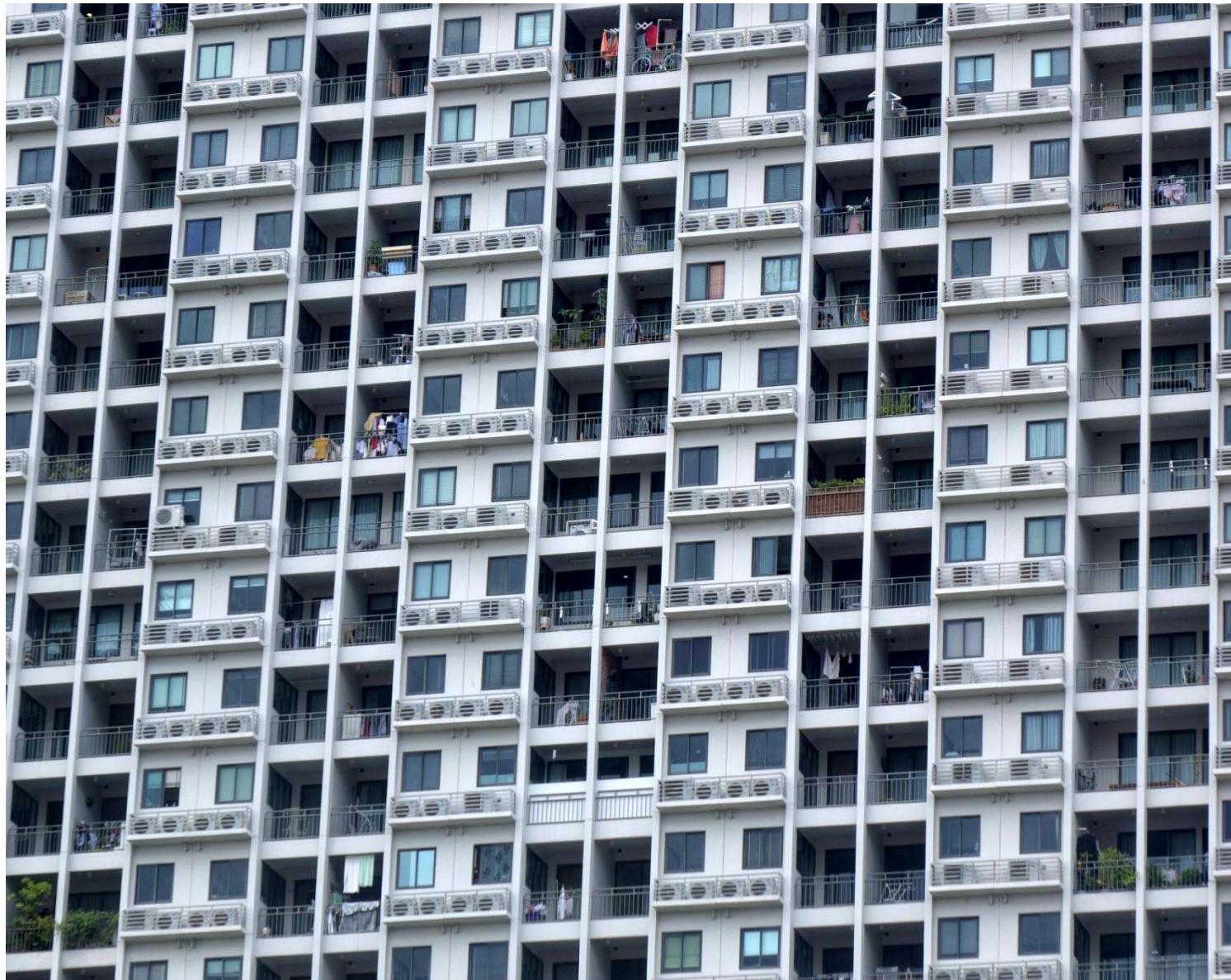
AZUG Norway's Impact

- AZUG Norway has helped developers stay up-to-date with the latest technologies
- The community has provided a platform for developers to connect and collaborate
- AZUG Norway has contributed to the growth of the Microsoft .NET Framework community in Norway



Conclusion

- AZUG Norway has a rich history and has played an important role in the Norwegian developer community
- The community continues to grow and evolve
- AZUG Norway is a platform for developers to learn, connect, and collaborate



Microsoft Azure Search resources, services, and docs (G+ /) Copilot | ⚙️ 🌐 📈 🌐 ? 🔍 gerjon_kunst@outlook.... WRSOLUTIONS.NL AZURE AD (W...)

Azure services

- Create a resource
- Subscriptions
- Resource groups
- Azure AI services
- Microsoft Entra ID
- Azure AI services
- Storage accounts
- Virtual machines

Billing access control (IAM)

Resources

Recent Favorite

Name	Type	Last Viewed
MSDN-platforms-MCT	Subscription	a month ago
gerjon-ai-services	Azure AI services multi-service account	a month ago
aigk-vision2	Computer vision	a month ago
AI-102-US	Resource group	a month ago
Betalen naar gebruik	Subscription	a month ago
Betalen naar gebruik (AI)	Subscription	a month ago
nasbackupgk	Storage account	a month ago
Teslamate-Docker	Virtual machine	2 months ago
PiHole	Virtual machine	2 months ago

Copilot Preview

Hello Gerjon, how can I help?

I want to ...

0 / 500

<https://www.youtube.com/watch?v=-qZZnwgb2ss>



Preview

Hello Gerjon, how can I help?



check cost management for vm usage

You're currently in scope: **MSDN-platforms**

You have €10.36 in charges for the Virtual Machines category from January 01, 2024, to January 13, 2024. Here is a breakdown of the charges grouped by resource ID:

Resource ID	Charges	% of Total Charges
microsoft.compute/virtualmachines/unifi	€5.97	57.66%
microsoft.compute/virtualmachines/teslamate-docker	€2.97	28.67%
microsoft.compute/virtualmachines/pihole	€1.42	13.71%

Please note that these charges do not include any credits or taxes. Let me know if there is anything else I can assist you with.

For information about a different scope, type "**Change cost management scope**", select a new scope, then type your

I want to ...

0 / 500



Copilot

Preview

create an azure cli script that creates a cosmos DB in west europe on the cheapest subscription

Sure, here are the Azure CLI commands to create a Cosmos DB in West Europe on the cheapest subscription:

1. Create a new Cosmos DB account with specified configurations:



```
az cosmosdb create --name $cosmosDBName --resource-group $resourceGroup --kind GlobalDocumentDB --locations regionName=WestEurope failoverPriority=0 isZoneRedundant=False --default-consistency-level Eventual --enable-multiple-write-locations true --enable-automatic-failover true
```

2. Update the default consistency level for the Cosmos DB ac



```
az cosmosdb update --name $cosmosDBName --resource-group $resourceGroup --default-consistency-level Eventual
```

Please replace \$cosmosDBName and \$resourceGroup with your Cosmos DB name and resource group name respectively.

Remember, you need to have the Azure CLI installed and be logged in to your Azure account to run these commands.

AI-generated content may be incorrect



● 2 of 10 requests

The background features a dark blue gradient with a subtle texture. Overlaid on this are numerous glowing blue circular nodes of varying sizes, some with internal highlights. A complex network of thin blue lines connects these nodes, creating a sense of depth and connectivity. The overall effect is futuristic and technological.

CO-PILOT STUDIO

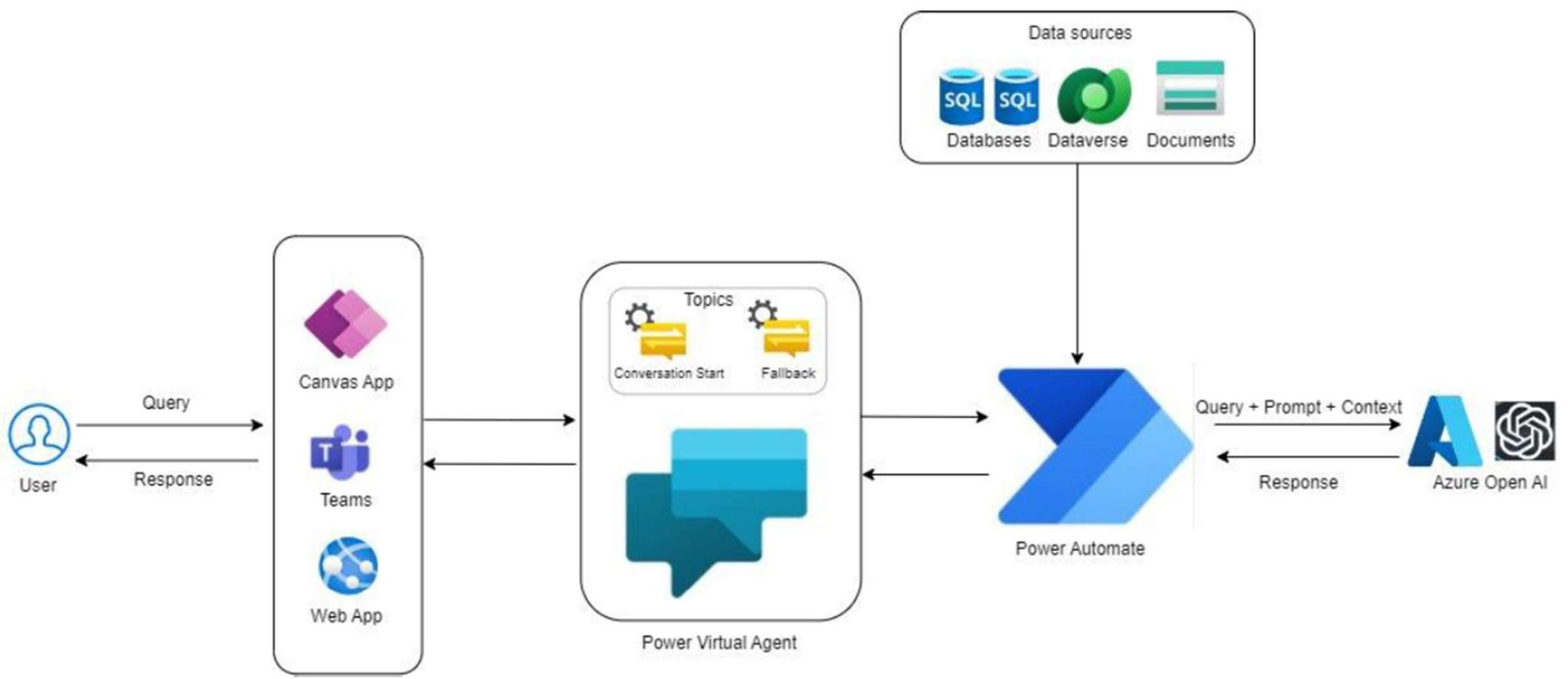


Figure 1: Architecture Diagram

The image shows two side-by-side screenshots of Microsoft's cloud services.

Left Screenshot (Microsoft Teams):

- Chat Tab:** Shows a conversation with "Chad the chatbot". The bot has sent three messages: a neutral face, a thinking face, and a smiling face.
- Message Input:** A text input field with "start" typed into it, accompanied by a set of message composition icons.
- Side Panel:** Includes links for "Activiteit", "Chat", "Teams", "Agenda", "Oproepen", "Bestanden", "Chad the c...", "Beheer", and "Apps".

Right Screenshot (Microsoft Azure):

- Resource Overview:** The "E2Edemo" virtual machine is listed under "CreateVm-canonical.0001-com-ubuntu-server-jammy-2-20231028174831 | Overview".
- Virtual Machine Details:**
 - Essentials:** Resource group: E2EVC; Status: Stopped (deallocated); Location: Sweden Central (Zone 1); Subscription: Betalen na gebruik; Subscription ID: bdabb474-e916-423f-9c1a-66b328e...; Availability zone: 1; Operating system: Linux; Size: Standard DS1 v2 (1 vCPU, 3.5 GiB me...); Public IP address: 51.12.53.211; Virtual network/subnet: E2Edemo-vnet/default; DNS name: Not configured; Health state: -; Tags: Add tags.
 - Properties:** Computer name: E2Edemo; Operating system: Linux; Image publisher: canonical; Image offer: 0001-com-ubuntu-server-jammy; Image plan: (not visible).
- Actions:** Connect, Start, Restart, Stop, Capture, Delete, Refresh.

https://web.powerva.microsoft.com/environments/Default-c5add273-3f70-4128-92ac-afdbde777a52/botlist

Copilot Studio

Environment Gerjon (default)

Try a wider range of conversations with real-time responses using Azure OpenAI services. [Learn more about Azure OpenAI](#)

+ New Copilot ← Import Copilot

Copilots

Add-ins (preview)

Prompts (preview)

Models

Power Platform

Find copilots

	Name	Type	Modified by ↓	Last Published	Owner	
	Copilot - Engels	...	Copilot	# PowerVirtualAgentsProd 19 d Never	Gerjon Art	
	Copilot - Gerjon	...	Copilot	# PowerVirtualAgentsProd 19 d Never	Gerjon Art	
	Chad the chatbot (klassiek)	...	Chatbot (classic)	Gerjon Art a month ago	a month ago	Gerjon Art
	ChatGPT	...	Copilot	Gerjon Art 8 months ago	Never	Gerjon Art
	Dude (classical)	...	Chatbot (classic)	Gerjon Art 16-10-2022	15-10-2022	Gerjon Art

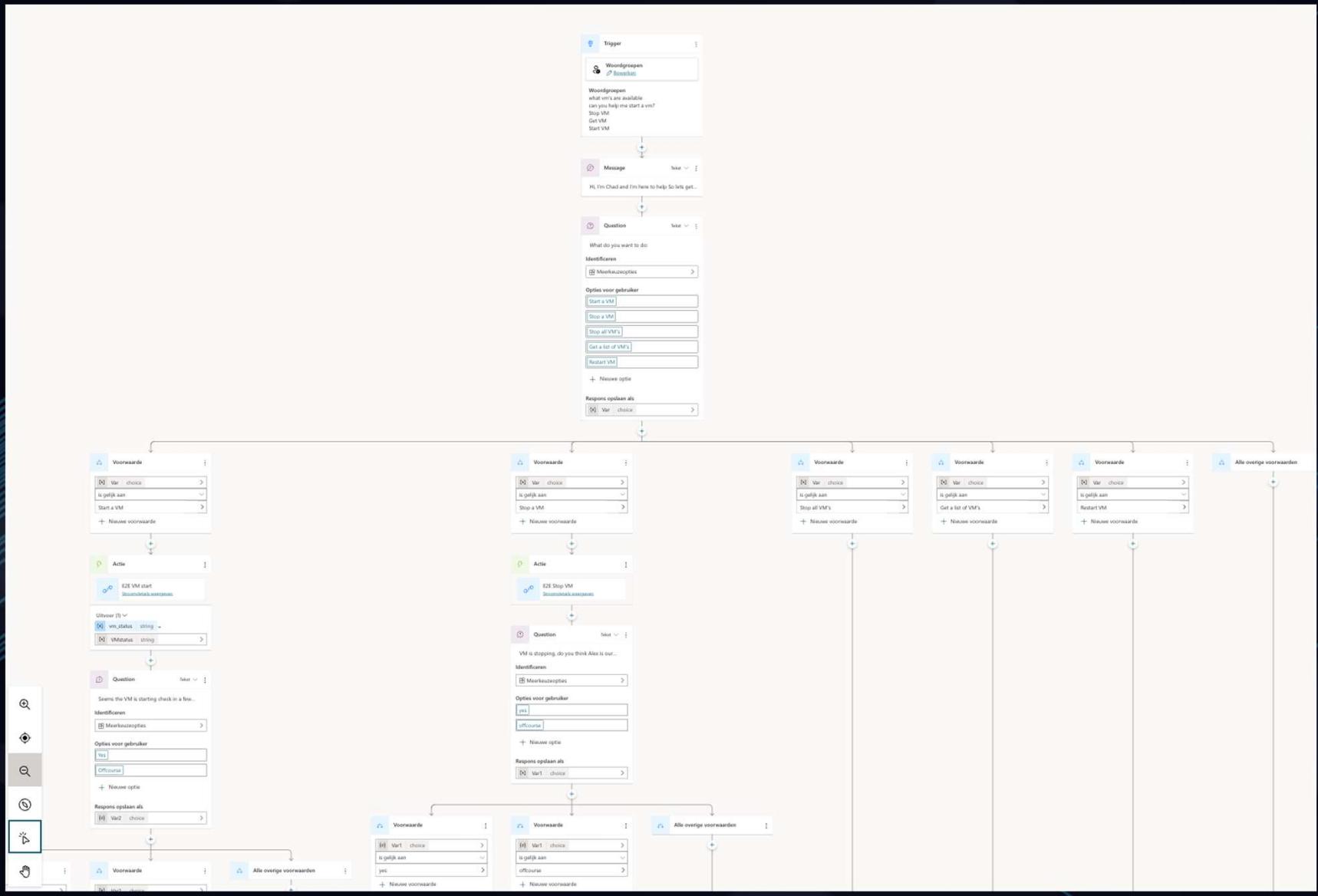
Your free trial expires in 9 days. Contact the administrator to find the right plan. [View prices](#)

+ Add ▾

Topics

Topics (7) Plugin actions (preview) (0) System (13)

Name	Trigger	Description	Errors	Editing	Modified by
Les 1 - Een eenvoudig onderwerp	Woordgroepen	Les 1 - In deze les leert u hoe u een eenvoudig onderwerp kunt maken met één voorwaard...			Gerjon Kunst één dag geleden
Les 2 - Een eenvoudig onderwerp met een voorwaarde en variabele	Woordgroepen	Les 2 - In deze les leert u hoe u een eenvoudig onderwerp kunt maken met één voorwaard...			Gerjon Kunst één dag geleden
Les 3 - Een onderwerp met voorwaarden, variabelen en een vooraf samengestelde entiteit	Woordgroepen	Les 3 - In deze les leert u hoe u een eenvoudig onderwerp kunt maken met één voorwaard...			Gerjon Kunst één dag geleden
Les 4 - Een onderwerp met voorwaarden, variabelen en een aangepaste entiteit.	Woordgroepen	Les 4 - In deze les gaan we door met laten zien hoe u een onderwerp kunt maken met een ...			Gerjon Kunst één dag geleden
Servicedesk melding	Woordgroepen				Gerjon Kunst één dag geleden
Start VM	Woordgroepen				Gerjon Kunst één dag geleden
vergaderruimte check	Woordgroepen				Gerjon Kunst één dag geleden



Copilot

Your free trial expires in 9 days. Contact the administrator to find the right plan. [View prices](#)

Save

Generative AI

Enable intelligent features in your bot. This feature works with the Azure OpenAI Service and Bing Search. You agree that your information may travel outside the compliance and geographic boundaries of your organization. By using the AI features **previewed** below, you agree to the additional preview terms. [View the preview terms](#). For other AI features, you agree to the additional terms. [View the additional terms and conditions](#).

Generative AI is a premium feature that can be enabled or managed by your administrators. [View price categories](#)

[Learn more about responsible AI at Microsoft](#)

Improve conversational reach with generative responses

 Conversation Enhancement is not available in Dutch. Additional languages will be available soon.

Generate responses dynamically and in real time from content you choose, such as external websites, SharePoint, OneDrive locations, or custom datasets. Let your users converse back and forth with your bot in response to unexpected questions.

Generating responses with AI does not guarantee accuracy or relevance. This feature works with the Azure OpenAI Service.

Use generative answers

Enabling Generative Replies adds the **Conversation Enhancement topic**, allowing your bot to respond to unknown intents with your connected data sources, using the node **mode**.

Websites 

Open your website

Content moderation by bot

High (default)
Bot generates fewer answers, but responses are more relevant

Upload a document (preview)

Upload a document to provide real-time responses to users. The document is stored securely and used as a data source for automatic responses. It is recommended to use text-based files. Please note that image, audio, video and executable files are not supported. [More information](#)

 File content available to all users. Uploaded file content is available to anyone chatting with the bot, regardless of file permissions or access controls.

Drag and drop files here or [click to browse](#)
Up to 3 MB per file

Support for intelligent creation with Copilot

Write a description of a topic you want your bot to cover and let Copilot work it out for you.

Intelligent creation support is available when you create or edit a bot. Copilot is not available in classic bots. You can enable this in the user settings. [Go to user settings](#)

Search ...

Activity Chat About

AskGPT-tutp Monday 6:11 PM
Hello, I'm AskGPT-tuto. How can I help?

Monday 6:12 PM
Propose 3 titles of songs the Beatles may have written for kids

AskGPT-tutp Monday 6:12 PM
I'm on it, wait for a sec

Answer generated by Azure OpenAI using ChatGPT model

1. "The Octopus's Garden Adventure"
2. "The Magical Mystery Playground"
3. "Lucy in the Sky with Teddy Bears"

NOTE: This service is in preview version and model does not have context of previous messages.

Type a new message

Flow checker Test

The screenshot shows a Microsoft Teams chat window. On the left is a vertical sidebar with icons for Activity, Chat, Teams, Calendar, Calls, Files, MyAssist (which is selected and highlighted in blue), and Apps. The main chat area has a purple header with a search bar, a user profile icon, and a three-dot menu. The 'Chat' tab is active. The conversation starts with a message from 'AskGPT-tutp' at 6:11 PM: 'Hello, I'm AskGPT-tuto. How can I help?'. The user then asks at 6:12 PM: 'Propose 3 titles of songs the Beatles may have written for kids'. The AI responds at 6:12 PM: 'I'm on it, wait for a sec'. Below this, a box states 'Answer generated by Azure OpenAI using ChatGPT model' and lists three proposed titles: '1. "The Octopus's Garden Adventure"', '2. "The Magical Mystery Playground"', and '3. "Lucy in the Sky with Teddy Bears"'. At the bottom, a note says 'NOTE: This service is in preview version and model does not have context of previous messages.' A message input field at the bottom allows users to 'Type a new message'. To the right of the chat, there is a sidebar titled 'Flow checker' containing a step named 'Test' with a green status bar. Below the sidebar are several other step cards in various colors (green, blue, purple, yellow) each with a question mark icon and three dots, likely representing other steps in the flow.



AZURE AI STUDIO

https://oai.azure.com/portal/a30be82879ac425bb96ed0c8c87218ec

Azure AI | Azure OpenAI Studio

Admin Gerjon Kunst
RAWGPT (West Europe, S0)

Azure OpenAI Studio

Privacy & cookies

Azure OpenAI

Playground

Chat

Completions

DALL-E (Preview)

Management

Deployments

Models

Data files

Quotas

Content filters (Preview)

Welcome to Azure OpenAI service

Explore the generative AI models, craft unique prompts for your use cases, and fine-tune select models.

Get started

Chat playground
Design a customized AI assistant using ChatGPT. Experiment with GPT-3.5-Turbo and GPT-4 models.
[Try it now](#)

Completions playground
Experiment with completions models for use cases such as summarization, content generation, and classification.
[Try it now](#)

DALL-E playground
PREVIEW
Generate unique images by writing descriptions in natural language.
[Try it now](#)

Whisper Speech-to-Text
PREVIEW
Transcribe your audio using the Whisper model. Use text prompts to improve transcription quality.
[Create a Whisper deployment](#)

Bring your own data
PREVIEW
Connect and ground your data. Deploy to a web app or Power Virtual Agent bot.
[Try it now](#)

Try out common examples

Customer support agent
Get started with a sample chat setup for a customer support agent scenario.
[Try it now](#)

Writing assistant
Get started with a sample chat setup for marketing content creation.
[Try it now](#)

Summarize an article
Get started with abstractive summarization of a news article.
[Try it now](#)

Create cover art
Unleash your creativity by generating creative images for cover art and other commercial use cases.
[Try it now](#)

Get access to new features and capabilities

- [Responsible AI modifications](#)

Azure AI Studio | Chat playground

https://oai.azure.com/portal/a30be82879ac425bb96ed0c8c87218ec/chat

Chat playground

Assistant setup

System message

Add your data (preview)

Save changes

Specify how the chat should act

Use a template to get started, or just start writing your own system message below. Want some tips? [Learn more](#)

Use a system message template

Select a template

System message

You are an AI assistant that helps people find information.

Chat session

Clear chat

Playground Settings

View code

Show raw JSON

Start chatting

Test your assistant by sending queries below. Then adjust your assistant setup to improve the assistant's responses.

Type user query here. (Shift + Enter for new line)

Configuration

Deployment

Parameters

Deployment *

Raw-OpenAI-Demo

Session settings

Past messages included

10

Current token count

Input tokens progress indicator

11/4000

Deploy to

Import setup

Export setup

Show panels

Admin Gerjon Kunst

RAWGPT (West Europe, 50)

Privacy & cookies

AK

Azure AI | Azure OpenAI Studio

Azure AI Studio > Chat playground

Admin Gerjon Kunst
RAWGPT (West Europe, 50)
Privacy & cookies AK

Deploy to

Import setup Export setup Show panels

Chat playground

Assistant setup

System message Add your data (preview)

Save changes

Specify how the chat should act

Use a template to get started, or just start writing your own system message below.
Want some tips? [Learn more](#)

Use a system message template

Select a template

- Shakespeare writing assistant
- IRS tax chatbot
- Marketing Writing Assistant
- Xbox customer support agent
- Hiking recommendations chatbot
- JSON formatter assistant
- Default
- Empty Example

Chat session

Clear chat Playground Settings View code Show raw JSON

Start chatting

Test your assistant by sending queries below. Then adjust your assistant setup to improve the assistant's responses.

Type user query here. (Shift + Enter for new line)

Configuration

Deployment Parameters

Deployment *

Raw-OpenAI-Demo

Session settings

Past messages included 10

Current token count 10

Input tokens progress indicator 11/4000

This screenshot shows the Azure OpenAI Studio interface for the Chat playground. The left sidebar includes sections for Azure OpenAI, Playground, Chat, Completions, DALL-E (Preview), Management, Deployments, Models, Data files, Quotas, and Content filters (Preview). The main area has three main panels: 'Assistant setup' (selected), 'Chat session', and 'Configuration'. The 'Assistant setup' panel allows specifying a system message template, currently set to 'Shakespeare writing assistant'. The 'Chat session' panel provides a text input field for user queries and a response area with a robot icon and 'Start chatting' button. The 'Configuration' panel shows deployment details for 'Raw-OpenAI-Demo' and session settings like past messages included (10) and current token count (10).

Azure AI | Azure OpenAI Studio

Admin Gerjon Kunst
RAWGPT (West Europe, 50)

Privacy & cookies AK

Azure OpenAI Studio > Chat playground

Chat playground

Deploy to

Import setup Export setup Show panels

Playground

Chat

Completions

DALL-E (Preview)

Management

Deployments

Models

Data files

Quotas

Content filters (Preview)

Assistant setup

System message Add your data (preview)

Save changes

Specify how the chat should act

Use a template to get started, or just start writing your own system message below. Want some tips? [Learn more](#)

Use a system message template

Shakespeare writing assistant

System message ⓘ

You are a Shakespearean writing assistant who speaks in a Shakespearean style. You help people come up with creative ideas and content like stories, poems, and songs that use Shakespearean style of writing style, including words like "thou" and "hath".
Here are some example of Shakespeare's style:
- Romeo, Romeo! Wherefore art thou Romeo?
- Love looks not with the eyes, but with the mind: and therefore is winged Cupid painted blind.
- Shall I compare thee to a summer's day? Thou art more lovely and more temperate.

Examples ⓘ

User:

Please write a short text turning down an invitation to dinner.

Chat session

Clear chat Playground Settings View code Show raw JSON

hi

Greetings! How may I be of assistance to thee?

give me a poem about iceland

Oh Iceland fair, land of ice and fire,
Where Geysers spout and glaciers inspire,
Thy landscape wild, untamed and free,
Is a sight to behold for all to see.
Thy volcanoes rumble, and thy geothermal springs,
Are truly a wonder that nature brings.

Type user query here. (Shift + Enter for new line)

Configuration

Deployment Parameters

Deployment * Raw-OpenAI-Demo

Session settings

Past messages included 10

Current token count 0

Input tokens progress indicator 335/4000

The screenshot shows the Azure OpenAI Studio interface with the 'Chat playground' selected. On the left, the 'Assistant setup' panel is open, showing a 'System message' section with a template for a Shakespearean writing assistant. The main area is a 'Chat session' window where a user has asked for a poem about Iceland, and the AI has responded with a sonnet. The right side features a 'Configuration' panel with deployment and session settings. The top navigation bar includes links for 'Import setup', 'Export setup', and 'Show panels'.

Azure AI Studio | Chat playground

https://oai.azure.com/portal/a30be82879ac425bb96ed0c8c87218ec/chat

Chat playground

Deploy to

Import setup Export setup Show panels

Assistant setup

System message Add your data (preview)

Save changes

Specify how the chat should act

Use a template to get started, or just start writing your own system message below. Want some tips? [Learn more](#)

Use a system message template

Select a template

System message

You are an AI assistant that helps people find information.

Examples

Chat session

Clear chat Playground Settings View code Show raw JSON

Start chatting

Test your assistant by sending queries below. Then adjust your assistant setup to improve the assistant's responses.

Type user query here. (Shift + Enter for new line)

Configuration

Deployment Parameters

Deployment *

Raw-OpenAI-Demo

Session settings

Past messages included 10

Current token count 11/4000

Input tokens progress indicator

- Data source
- Data management
- Review and finish

Select or add data source

Your data source is used to ground the generated results with your data. Select an existing data source or create a new data connection with Azure Blob storage, databases, or local files as the source the grounding data will be built from. The data remains stored in the data source you designate.

[Learn more about data privacy and security in Azure AI.](#)

Select data source *

Azure Blob Storage

Subscription *

RawWorks - Demo

Select Azure Blob storage resource ⓘ *

rawgptstorage

Select storage container ⓘ *

fileupload-rawgptintern

Select Azure AI Search resource ⓘ *

raw-searchservices



[Create a new Azure AI Search resource](#)

Enter the index name ⓘ *

index

Indexer schedule ⓘ *

Daily

The indexer schedule can be changed in the Indexer settings for this search resource in the Azure portal.

Add vector search to this search resource.

I acknowledge that connecting to an Azure AI Search account will incur usage to my account. [View Pricing](#)

Azure AI Studio | Chat playground

https://oai.azure.com/portal/a30be82879ac425bb96ed0c8c87218ec/chat

Chat playground

Deploy to (button highlighted with red box)

Import setup Export setup Show panels

Assistant setup

System message (selected)

Add your data (preview)

Save changes

Specify how the chat should act

Use a template to get started, or just start writing your own system message below. Want some tips? [Learn more](#)

Use a system message template

Select a template

System message

You are an AI assistant that helps people find information.

Chat session

Clear chat Playground Settings View code Show raw JSON

Start chatting

Test your assistant by sending queries below. Then adjust your assistant setup to improve the assistant's responses.

Type user query here. (Shift + Enter for new line)

Configuration

Deployment Parameters

Deployment *

Raw-OpenAI-Demo

Session settings

Past messages included (10)

Current token count (11/4000)

Input tokens progress indicator

Chat playground

Assistant setup

System message

Ask questions about your securely in your Azure sub
[your data is protected.](#)

+ Add a data source

Deploy to a web app

Your web app will be configured with Azure Active Directory authentication enabled. It may take a few minutes to apply after deployment completes, during which time you will not be able to chat in the app. Please wait 10 minutes, then reload the app and log in to begin chatting.

Pick your configurations to deploy a web app. [Learn more about web apps](#)

Create a new web app Update an existing web app

Name ⓘ *

Enter a name for the web app

Subscription ⓘ *

Select a subscription

Resource group ⓘ *

Select a resource group

Location ⓘ *

Select a location

Pricing plan ⓘ *

Select a pricing plan

Enable chat history in the web app

I acknowledge that web apps will incur usage to my account [View Pricing](#)

Deploy

Cancel

Import setup

Export setup

Show panels

Configuration

Deployment Parameters

Deployment *

Raw-OpenAI-Demo

Session settings

Past messages included ⓘ

10

Current token count ⓘ

Input tokens progress indicator

108/4000

A screenshot of a web browser window titled "Azure AI" (part of "Azure OpenAI Studio"). The URL in the address bar is <https://rawgpt.azurewebsites.net>. The browser has multiple tabs open, including "Chat playground | Azure OpenAI Studio" and "Azure AI". The main content area displays an AI-generated response to the question "what are the opening times of the rawbase". The response states: "The RawBase, located at De Vork 2, 3984 PA, Odijk, is open on weekdays from 8:30 AM to 5:30 PM for everyone, including guests and colleagues^{1,2}. For colleagues with a key, it is open from 7:30 AM to 7:00 PM on weekdays, and for colleagues with an alarm key, it is open 24/7^{1,2}". Below the response, there are two references: "1 onboarding.docx - Part 1" and "2 Huisregels De Vork.docx - Part 1". A note says "AI-generated content may be incorrect". At the bottom, there is a text input field with placeholder text "Type a new question..." and a blue circular icon with a white play symbol.

what are the opening times of the rawbase

The RawBase, located at De Vork 2, 3984 PA, Odijk, is open on weekdays from 8:30 AM to 5:30 PM for everyone, including guests and colleagues^{1,2}. For colleagues with a key, it is open from 7:30 AM to 7:00 PM on weekdays, and for colleagues with an alarm key, it is open 24/7^{1,2}.

2 references ▾

1 onboarding.docx - Part 1

2 Huisregels De Vork.docx - Part 1

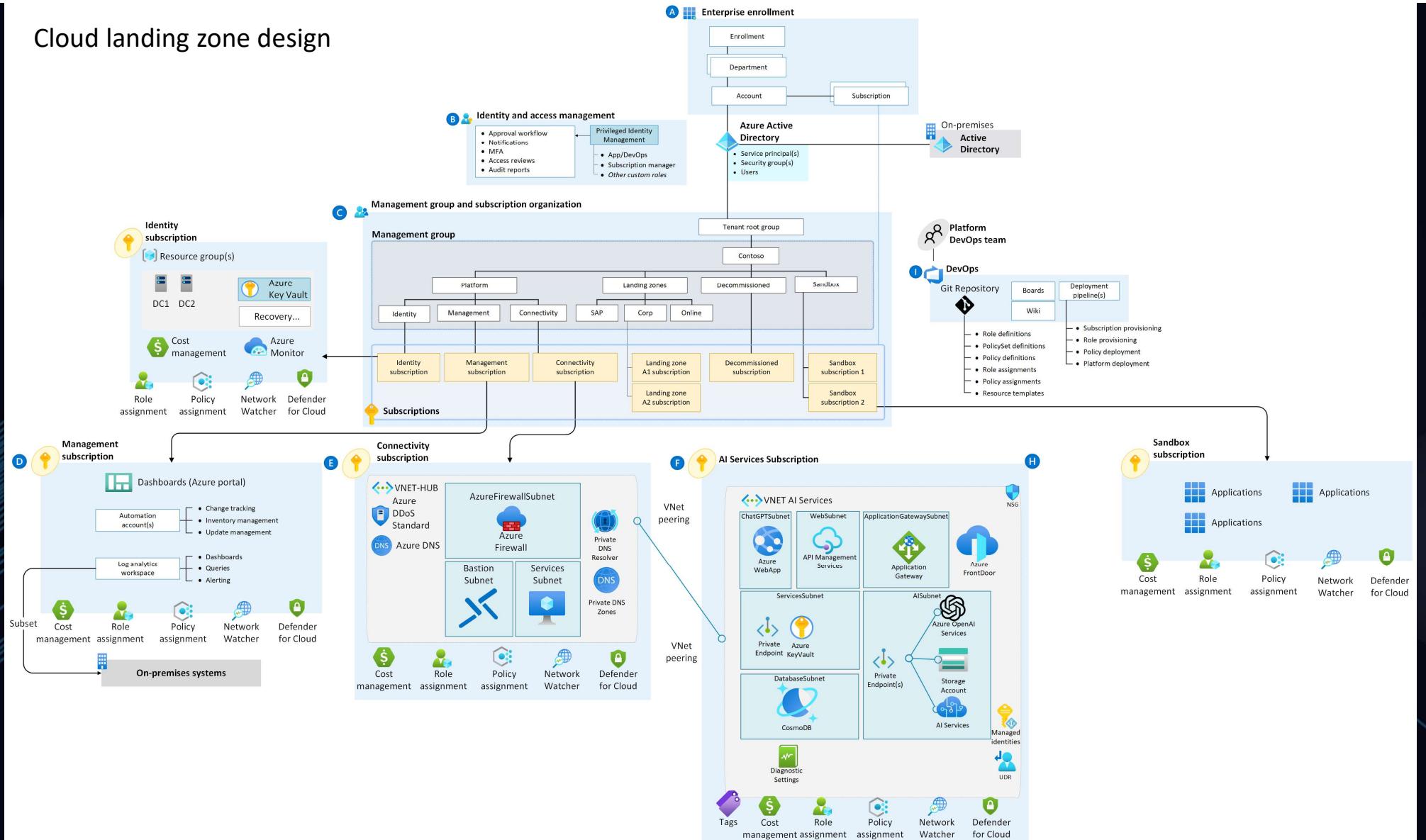
AI-generated content may be incorrect

Type a new question...

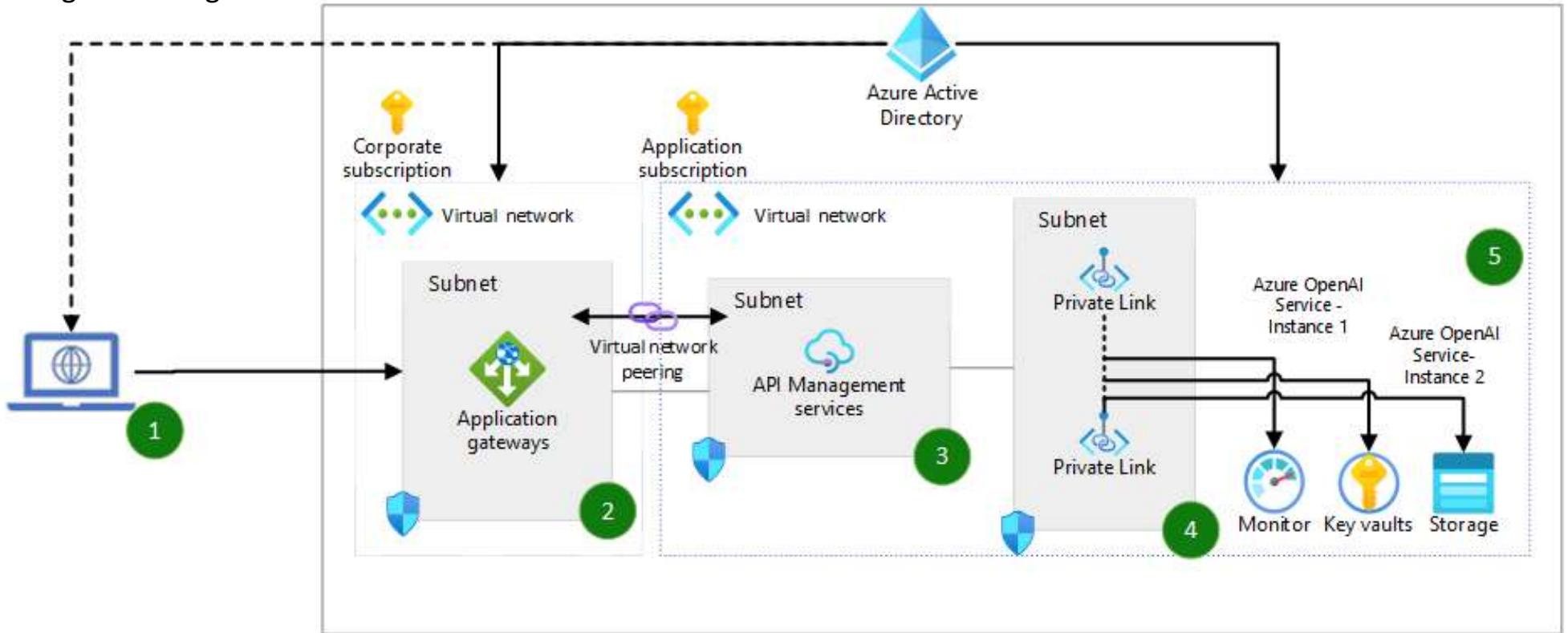


AZURE AI SERVICES

Cloud landing zone design



AI landing zone design



Azure AI services ...

Azure AI services

Search

Overview

All Azure AI services

Azure AI services

- Azure AI services
- Azure OpenAI
- AI Search
- Computer vision
- Face API
- Custom vision
- Speech service
- Language service
- Translator
- Document intelligence
- Bot services
- Anomaly detector
- Content moderator
- Health Insights
- Personalizer
- Metrics advisor
- Immersive reader
- Azure AI services multi-service account
- Content safety
- Language understanding (classic)
- QnA maker (classic)

Cognitive Services and AppliedAI Services are now Azure AI services.

Build smarter apps and services

Azure AI services brings AI within reach of every developer—without requiring machine learning expertise. All it takes is an API call to embed the ability to see, hear, speak, search, understand, and accelerate decision-making into your apps. [Learn more](#)

Azure OpenAI account Perform a wide variety of natural language tasks. + Create View	AI Search Bring AI-powered cloud search to your mobile and web apps. + Create View	Computer vision Analyze content in images and videos. Learn more + Create View	Face API Detect and identify people and emotions in images. Learn more + Create View	Custom vision Customize image recognition to fit your business. Learn more + Create View
Speech service Speech to text, text to speech, translation and speaker recognition. Learn more + Create View	Language Service Build apps with industry-leading natural language understanding capabilities. Learn more + Create View	Translator Translate more than 100 languages and dialects. Learn more + Create View	Document intelligence Turn documents into usable data at a fraction of the time and cost. + Create View	Bot services Create bots and connect them across channels. + Create View
Anomaly detector Identify potential problems early on. Learn more + Create View	Content moderator Detect potentially offensive or unwanted content. Learn more + Create View	Health Insights Health Insights + Create View	Personalizer Create rich, personalized experiences for each user. Learn more + Create View	Metrics advisor Proactively monitor metrics and diagnose issues. + Create View
Immersive reader Help users read and comprehend text. + Create View	Azure AI services multi-service account Add multiple Azure AI services to your application. + Create View	Content safety An AI service that detects unwanted contents. Learn more + Create View	Language understanding (classic) Understand natural language in your apps. Learn more + Create View	QnA maker (classic) Distill information into easy-to-navigate questions and answers. Learn more + Create View

Microsoft Azure

Search resources, services, and docs (G+/)

Home > Azure AI services

Azure AI services | Computer vision

Overview All Azure AI services

Azure AI services

- Azure AI services
- Azure OpenAI
- AI Search
- Computer vision Selected
- Face API
- Custom vision
- Speech service
- Language service
- Translator
- Document intelligence
- Bot services

+ Create Manage commitment plans Manage deleted resources Manage view Refresh Export to CSV Open query Assign tags Delete

Filter for any field... Subscription equals all Type equals all Resource group equals all Location equals all Add filter

No grouping List view

Showing 1 to 1 of 1 records.

Name ↑	Kind ↑↓	Location ↑↓	Custom Domain Name ↑↓	Pricing tier ↑↓	Status ↑↓	Created date ↑↓
<input type="checkbox"/> aigk-vision2	ComputerVision	East US	aigk-vision2	F0	Succeeded	2023-12-07T13:02:29.378Z

[GitHub - MicrosoftLearning/AI-102-AIEngineer: Lab files for AI-102 - AI Engineer](#)

Home > Azure AI services | Computer vision >

aigk-vision2

Computer vision

Search

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Resource Management

- Keys and Endpoint
- Encryption
- Pricing tier
- Networking
- Identity
- Cost analysis
- Properties
- Locks

Monitoring

- Alerts
- Metrics
- Diagnostic settings
- Logs

Automation

- Tasks (preview)
- Export template

Help

- Resource health
- Support + Troubleshooting

Delete

Essentials

Resource group ([move](#)) : [AI-102-US](#)

Status : Active

Location : East US

Subscription ([move](#)) : [Visual Studio Enterprise-abonnement-RAW](#)

Subscription ID : 22dd3376-e26b-4c91-8d67-b0fa29a6c7f3

Tags ([edit](#)) : [Add tags](#)

Get Started

Get started with your resource in Vision Studio

Try out all Computer Vision features and build your own custom models

[Go to Vision Studio](#)

Keys and endpoint

These keys are used to access your Azure AI service API. Do not share your keys. Store them securely—for example, using Azure Key Vault. We also recommend regenerating these keys regularly. Only one key is necessary to make an API call. When regenerating the first key, you can use the second key for continued access to the service.

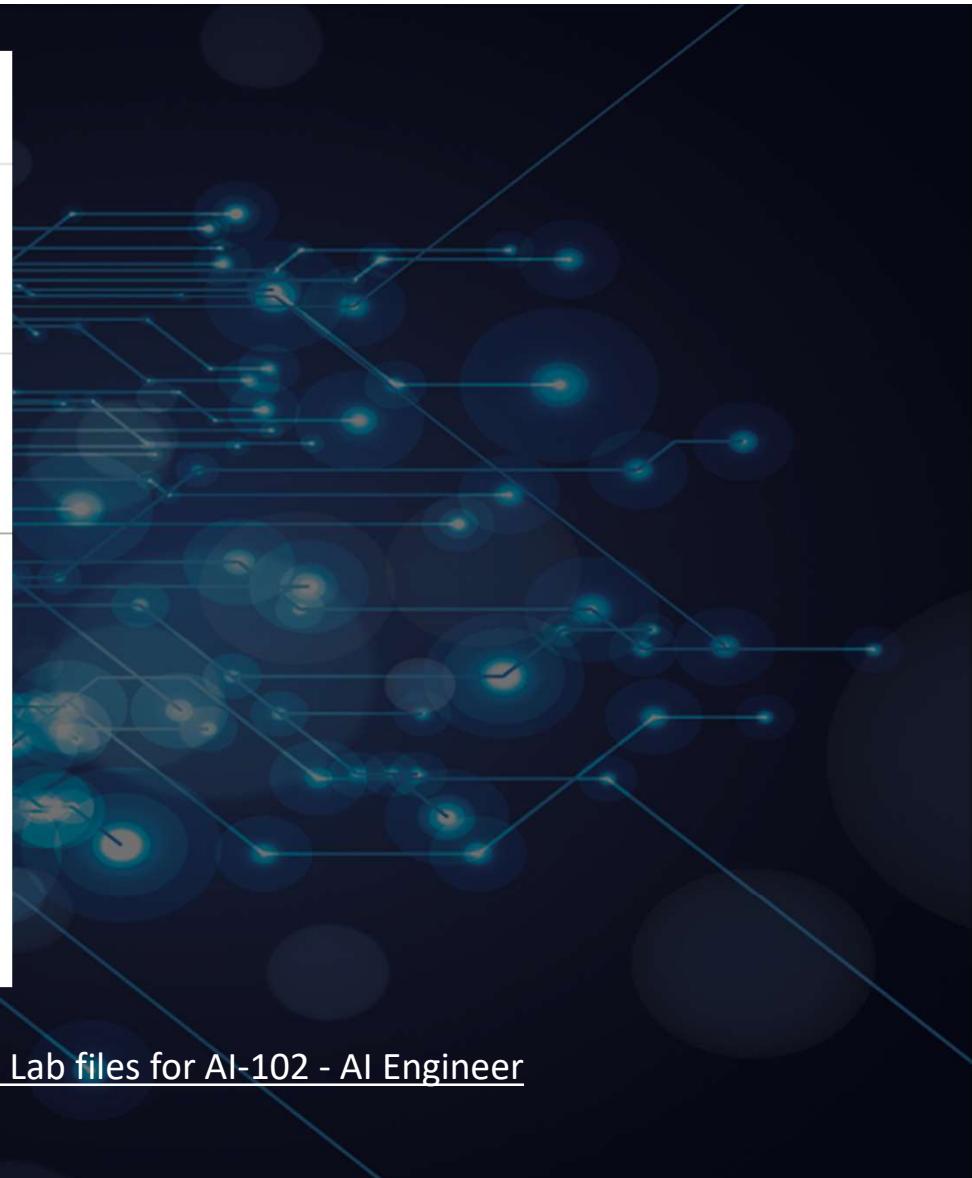
Show Keys

KEY 1
.....

KEY 2
.....

Location/Region
eastus

Endpoint
<https://aigk-vision2.cognitiveservices.azure.com/>



[GitHub - MicrosoftLearning/AI-102-AIEngineer: Lab files for AI-102 - AI Engineer](#)

EXPLORER

File Edit Selection View Go Run terminal Help

AI-102-AIENGINEER

.env
keyvault-client.py
readme.txt
rest-test.cmd
03-monitor
04-containers
05-analyze-text
06-translate-text
07-speech
08-speech-translation
09-language-app
10b-dlu-client-(preview)
11-luis-speech
12-qna
13-bot-framework
15-computer-vision
C-Sharp
Python
image-analysis
images
.env
image-analysis.py
readme.txt
16-video-indexer
analyze-video.html
get-videos.ps1
responsible_ai.mp4
17-image-classification
18-object-detection

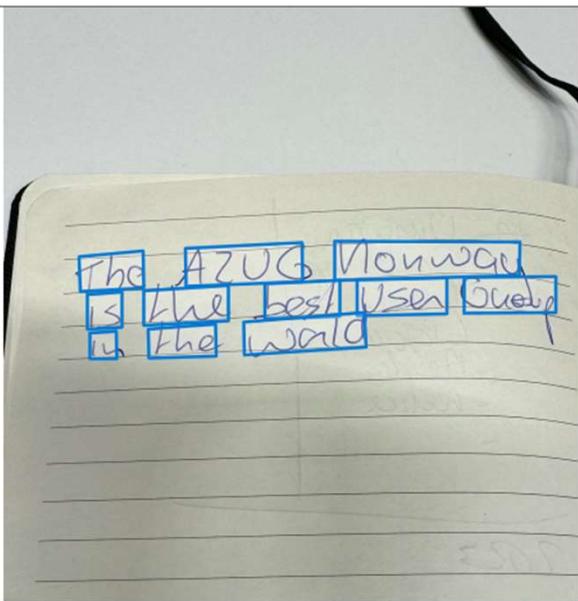
EXPLORER

AI-102-AIENGINEER

.env
keyvault-client.py
readme.txt
rest-test.cmd
03-monitor
04-containers
05-analyze-text
06-translate-text
07-speech
08-speech-translation
09-language-app
10b-dlu-client-(preview)
11-luis-speech
12-qna
13-bot-framework
15-computer-vision
C-Sharp
Python
image-analysis
images
.env
image-analysis.py
readme.txt
16-video-indexer
analyze-video.html
get-videos.ps1
responsible_ai.mp4
17-image-classification
18-object-detection

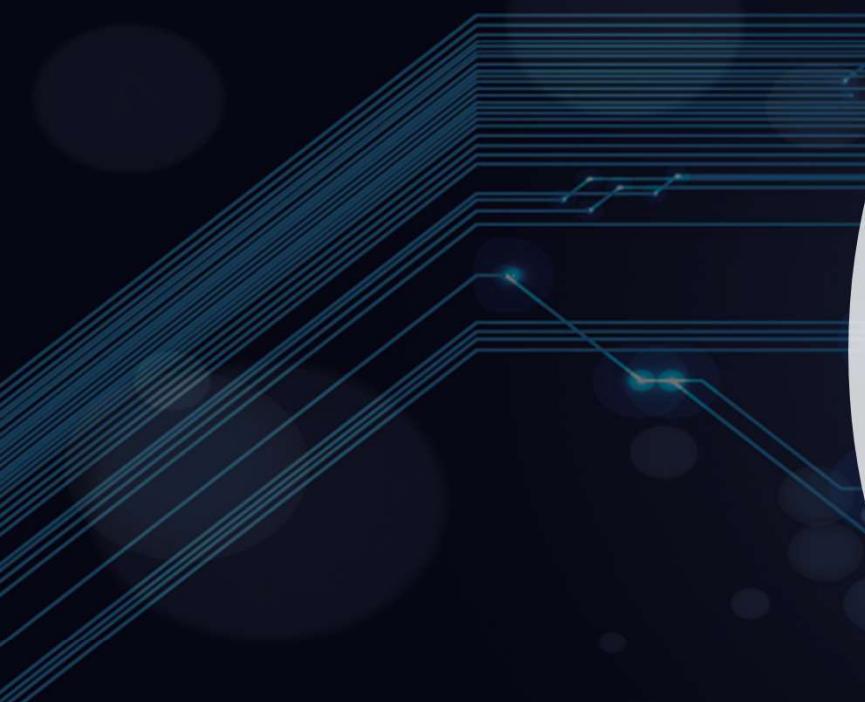
15-computer-vision > Python > image-analysis > image-analysis.py ...

```
30 # Authenticate Azure AI Vision client
31 credential = CognitiveServicesCredentials(cog_key)
32 cv_client = ComputerVisionClient(cog_endpoint, credential)
33
34 # Analyze image
35 AnalyzeImage(image_file)
36
37 # Generate thumbnail
38 GetThumbnail(image_file)
39
40 except Exception as ex:
41     print(ex)
42
43 def AnalyzeImage(image_file):
44     print('Analyzing', image_file)
45
46     # Specify features to be retrieved
47     features = [VisualFeatureTypes.description,
48                 VisualFeatureTypes.tags,
49                 VisualFeatureTypes.categories,
50                 VisualFeatureTypes.brands,
51                 VisualFeatureTypes.objects,
52                 VisualFeatureTypes.adult]
53
54
55     # Get image analysis
56     # Get image analysis
57     with open(image_file, mode="rb") as image_data:
58         analysis = cv_client.analyze_image_in_stream(image_data, features)
59
60     # Get image description
61     for caption in analysis.description.captions:
62         print("Description: '{}' (confidence: {:.2f}%)".format(caption.text, caption.confidence * 100))
63
64     def GetThumbnail(image_file):
65         print('Generating thumbnail')
66
67         # Generate a thumbnail
68
69     if __name__ == "__main__":
70         main()
```



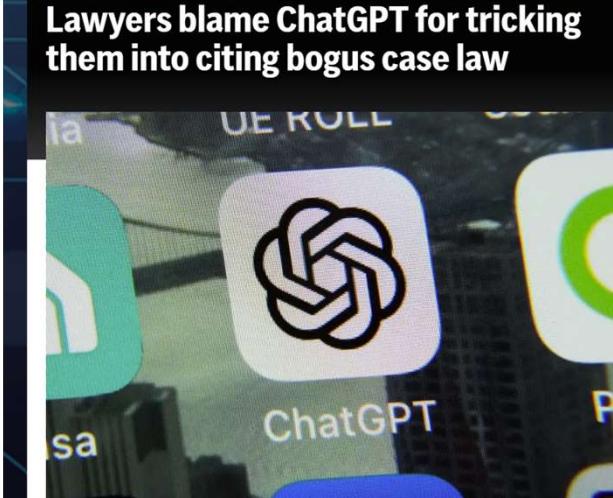
Detected attributes [JSON](#)

The AZUG Nonway
is the best user Group
In the world

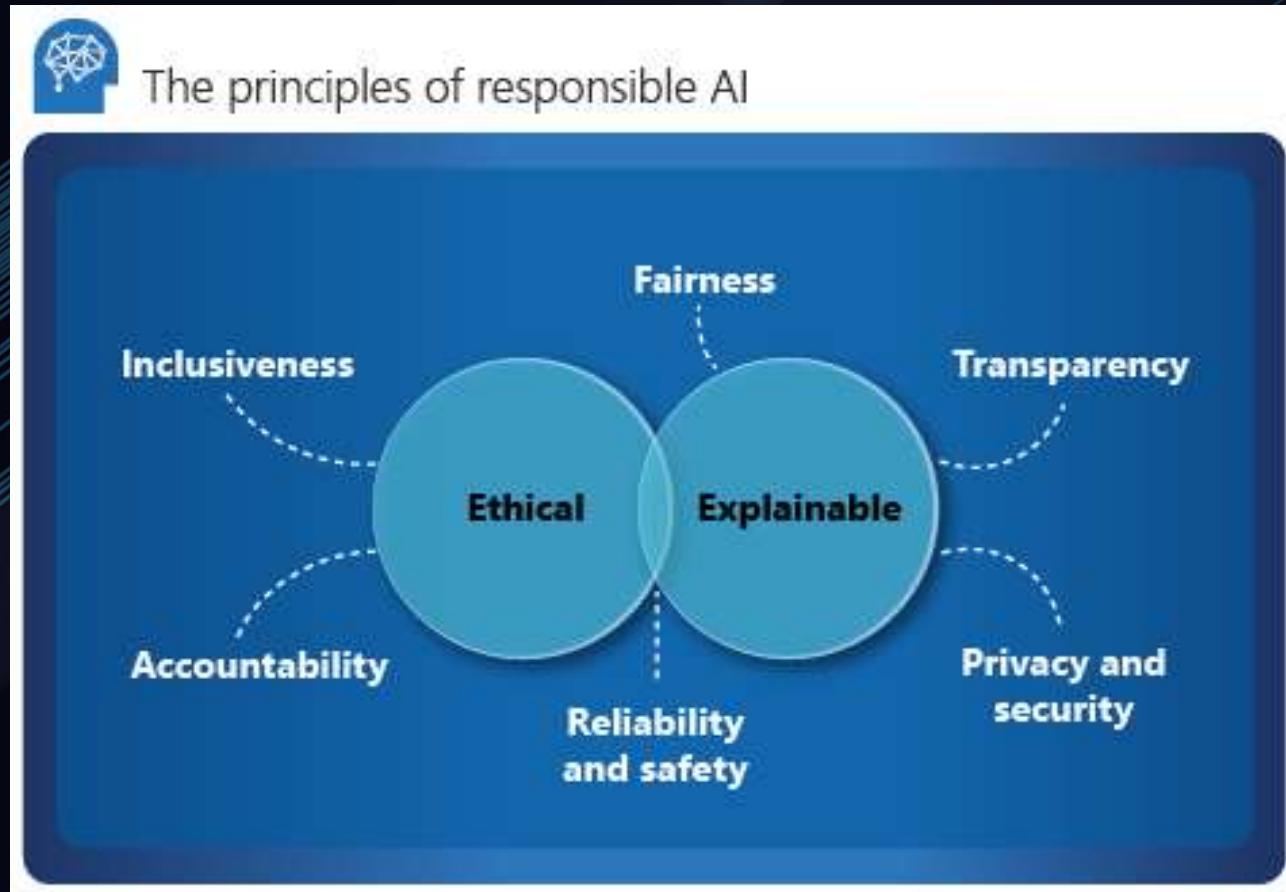


UP AND DOWNSIDES OF AI (debatable 😊)

- 1. Always available
 - 2. Scalable
 - 3. Improved accuracy
 - 4. Faster development/creation
 - 5. Enhanced safety
 - 6. Endless possibilities
 - 7. Automate the mundane
 - 8.
-
- 1. Lack of creativity
 - 2. Lack of empathy
 - 3. Skill loss
 - 4. Automated surveillance at scale
 - 5. Increased laziness
 - 6. Can be expensive to run
 - 7. It's only as good as the information it is given
 - 8. Job loss
 - 9. ..



Responsible AI



AI Regulation

POLITICS

Biden wants safeguards a order to add



1 of 4 | President Joe Biden signs an executive order on artificial intelligence. (AP Photo/Evan Vucci)

EU AI Act: first regulation on artificial intelligence

Society Updated: 19-12-2023 - 11:45
Created: 08-06-2023 - 11:40

The use of artificial intelligence in the EU will be regulated by the AI Act, the world's first comprehensive AI law. Find out how it will protect you.



combat the
the United
the first

From Experience

AI development is.. Not like normal development

40%

20%

40%

Data governance
(Get your data and
API's in order)

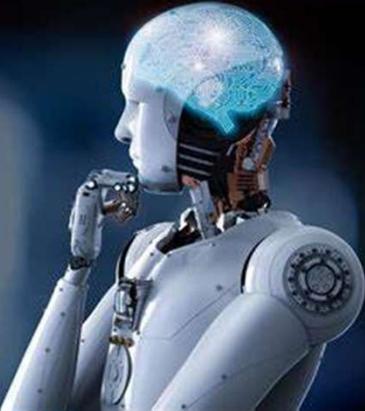
Digital Transformation bit

Build AI product

Test & Teach

Wrap up

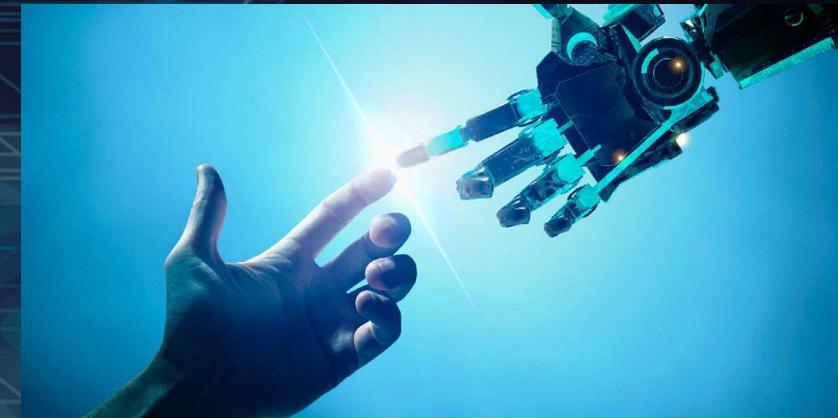
The age of AI is upon us



Can we keep our jobs?



Do I need to worry



AI won't replace you
anytime soon,
someone using AI
might..



Dr. Milan Milanović ✅
@milan_milanovic

To replace programmers with AI, clients will
need to accurately describe what they
want.

We're safe.





NEW PODCAST

Impact of AI:Explored
[@impactof_ai](https://twitter.com/impactof_ai)
www.impactof.ai

THAT'S ALL
TOKI'S?

