NEXXT

WORKPLACEDUDES

Meetup

Unlocking the potential of Power Virtual Agent and Azure OpenAI Services

Gerjon Kunst & Rene Laas

08 februari 2024

WORKPLACEDUDES

two guys giving a presentation called Unlocking the potential of Power Virtual Agent and

Generate

Unlocking the potential of Power Virtual Agent and Azure OpenAI Services

Here's what she had to say.

Session Goals

- Acknowledge change/Educate
- Inspire

Questions? Yes please

Gerjon Kunst

RawWorks | Innovation Officer | Citrix CTA | MCT

@gkunst

gerjon.com & impactof.ai

Rene Laas

RawWorks

| Tribe leader Security| Product Owner Security |

Microsoft MVP

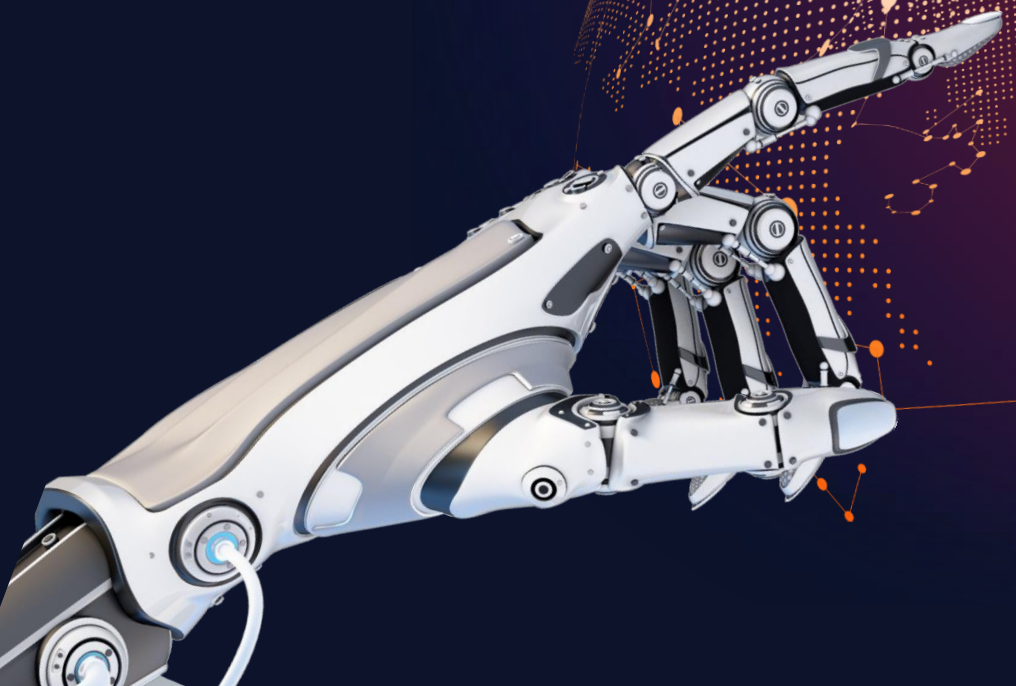
@Mr_helaas

Endpointcave.com

Basics + Context

Technical

AGENDA



PART 01
What is AI

PART 02
Start your journey

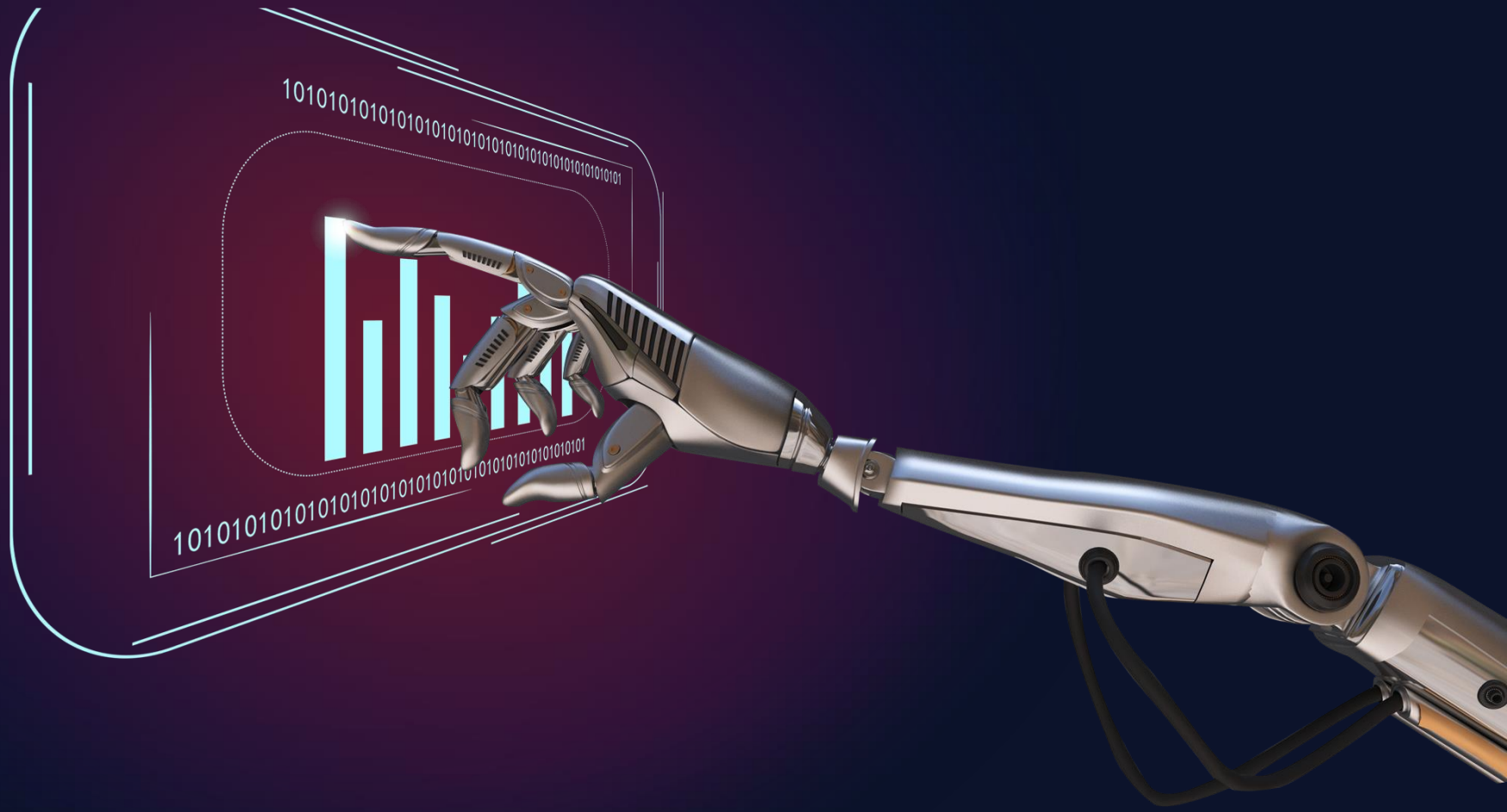
PART 03
AI in the Microsoft world

PART 04
Examples

PART 05
Wrap Up

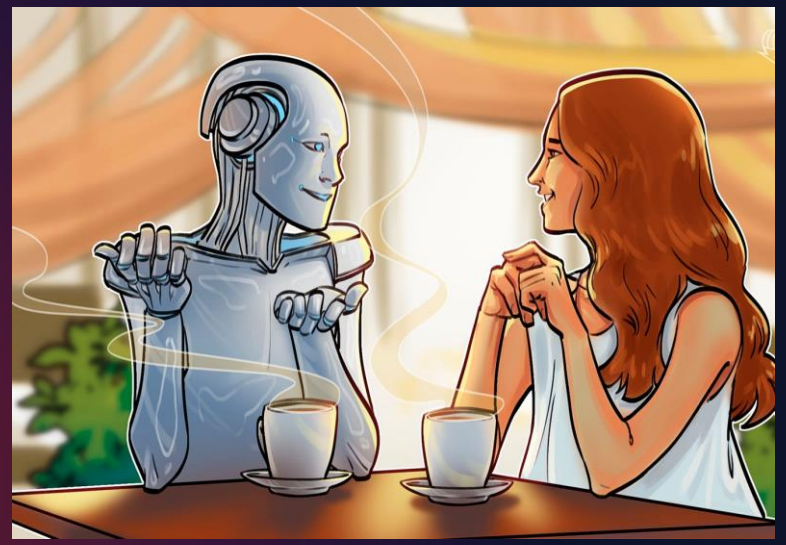
PART 01

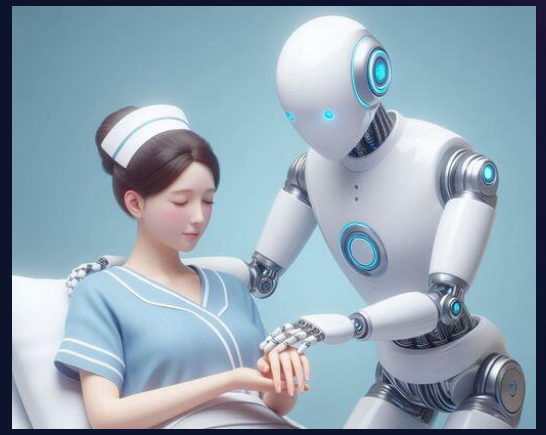
What is AI

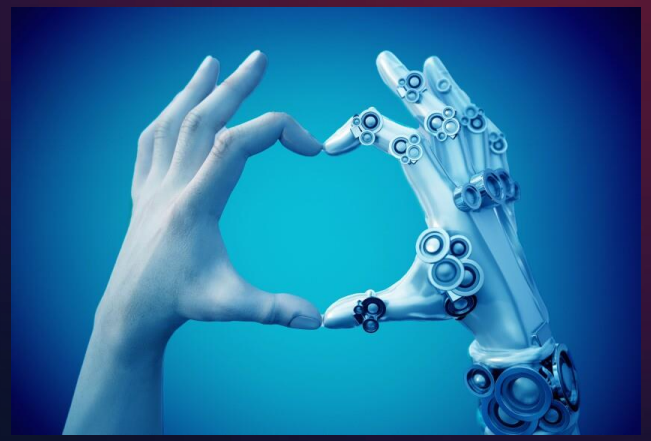


Whats the first thing that comes up when you think of Artificial Intelligence?

P a r t 1 – A I







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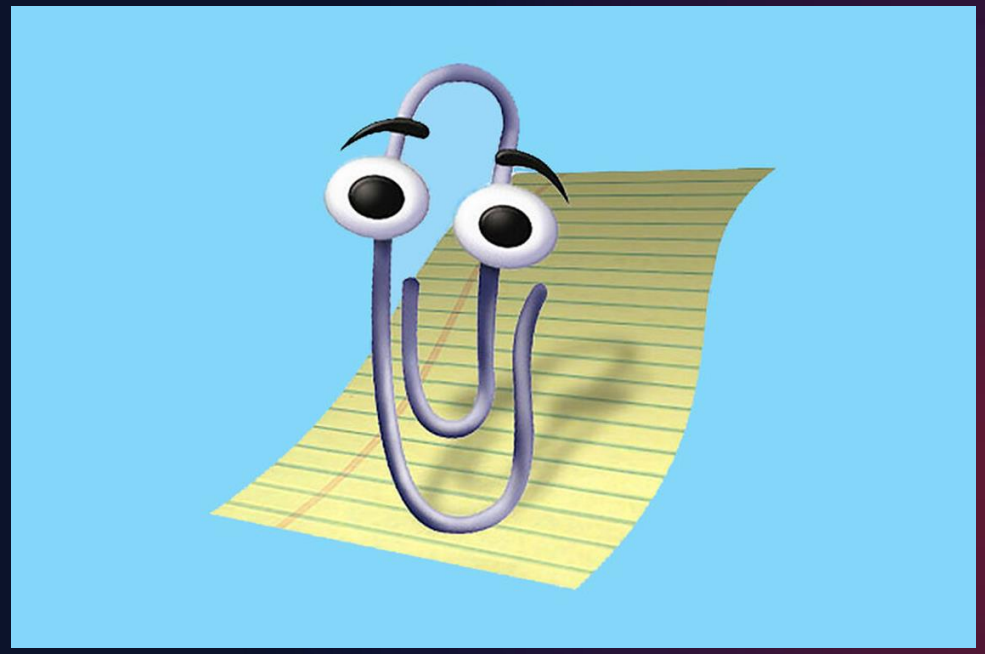
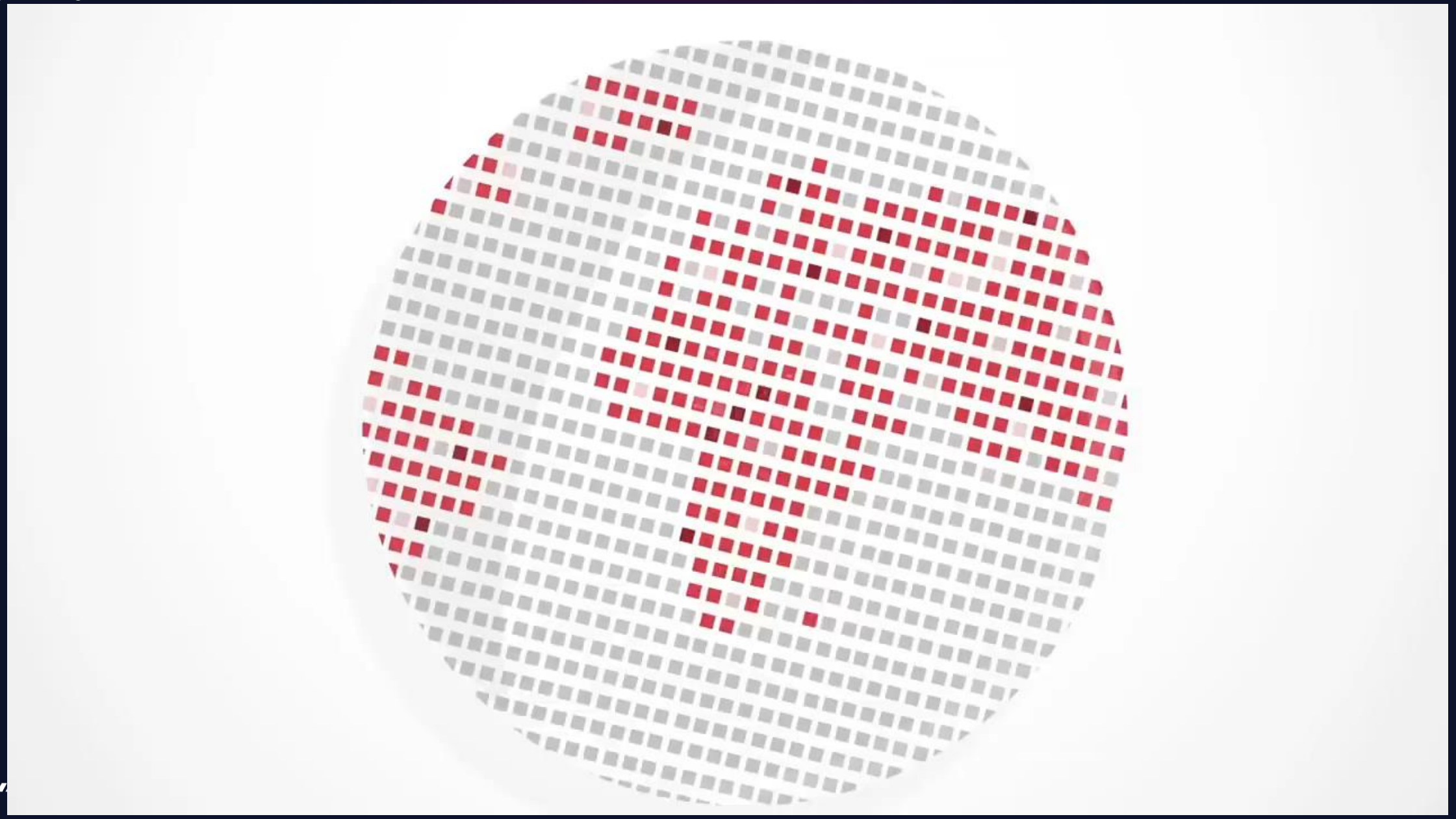


What are the different types of Artificial Intelligence

Part 1 – AI



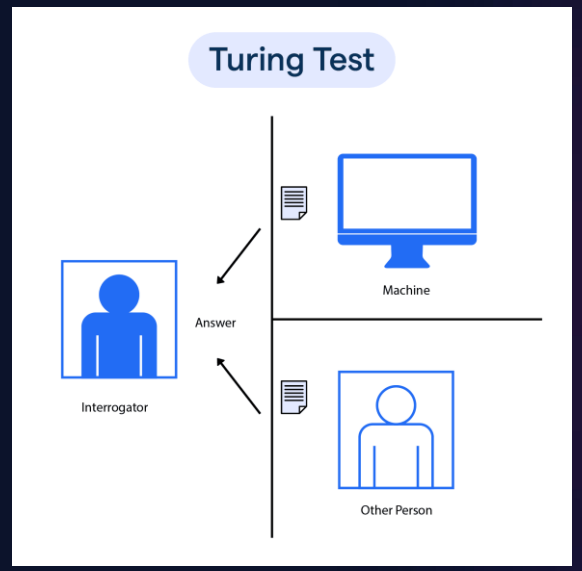
THE HISTORY OF AI

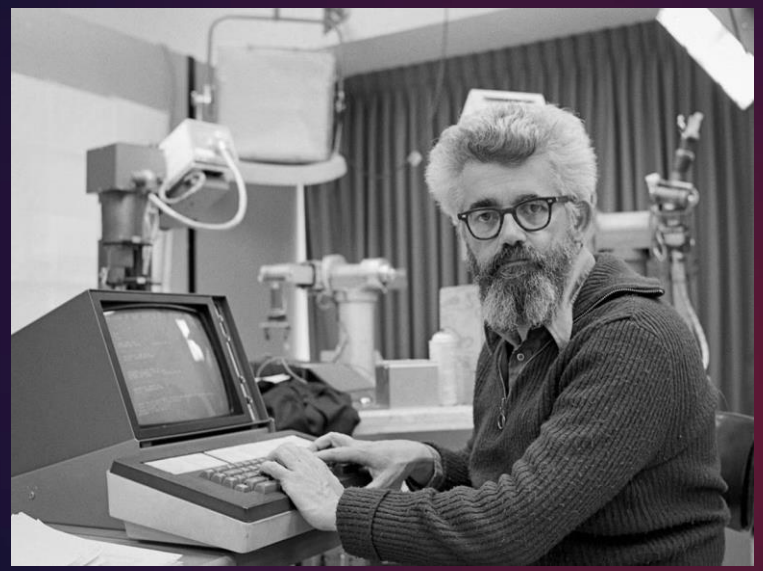
AI has been around for a while

Part 1 – AI

History of AI (1950 - 1970)

P a r t 1 – A I



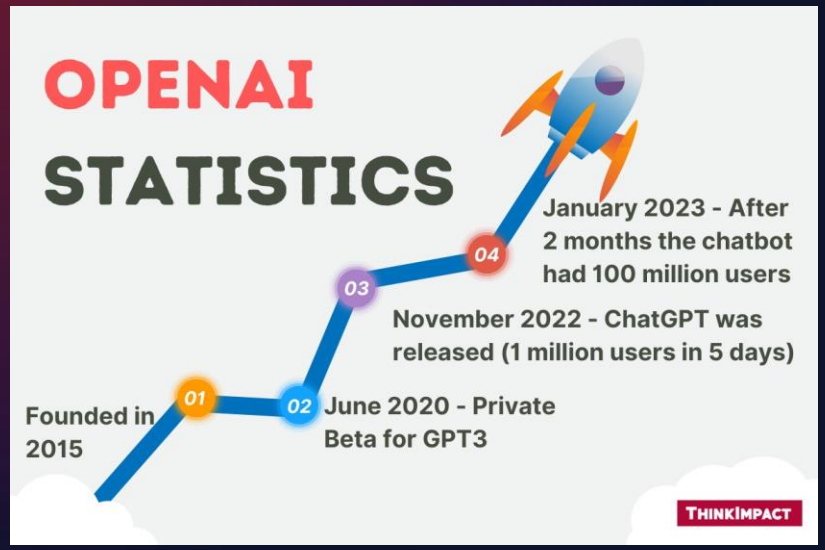


History of AI (1980 – 2023)

Part 1 - AI

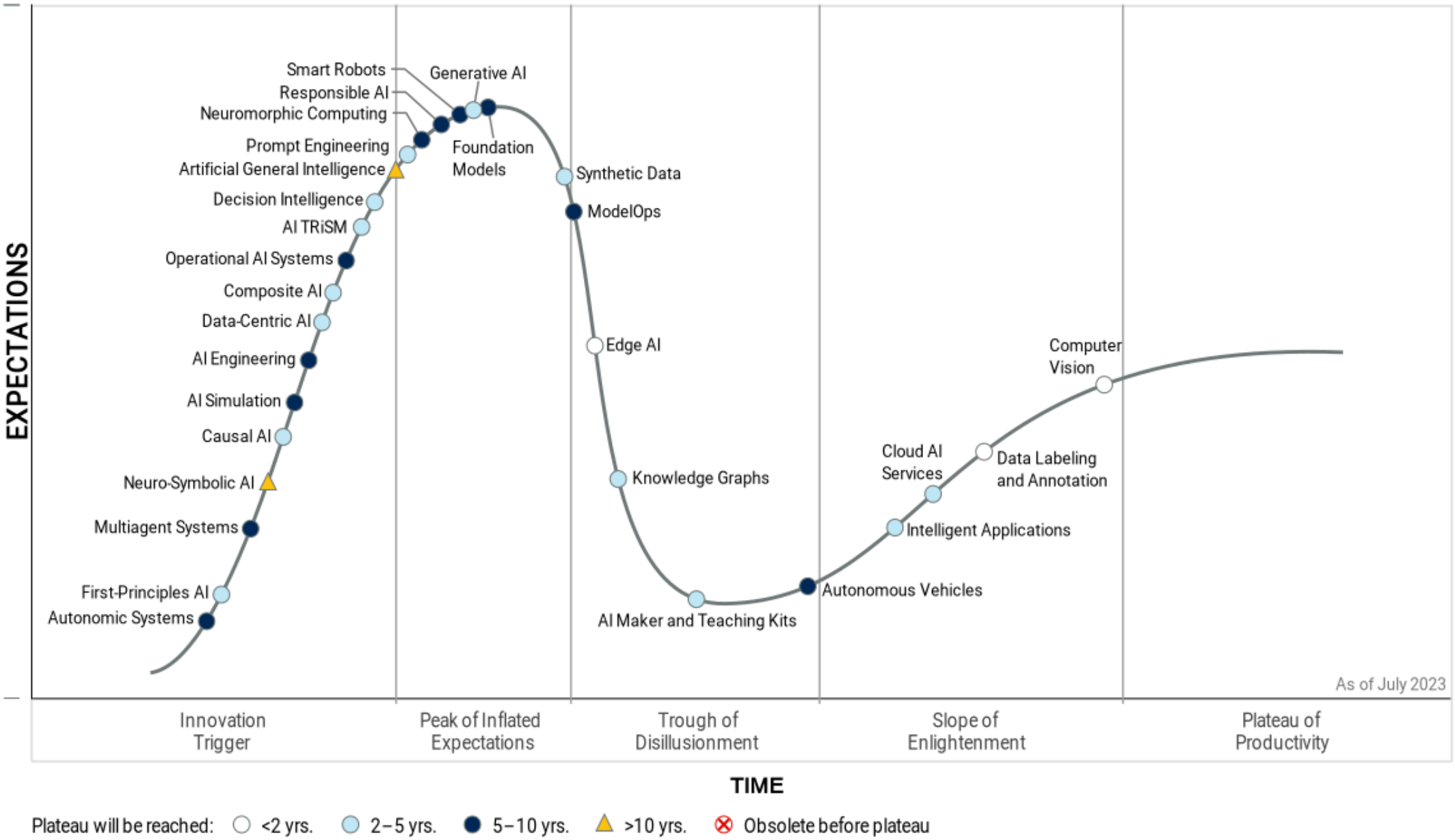
OpenAI

GPT-3, an autoregressive language model with 175 billion parameters



THE STATE OF AI

Hype Cycle for Artificial Intelligence, 2023



Plateau will be reached: <2 yrs. 2–5 yrs. 5–10 yrs. >10 yrs. Obsolete before plateau

Gartner

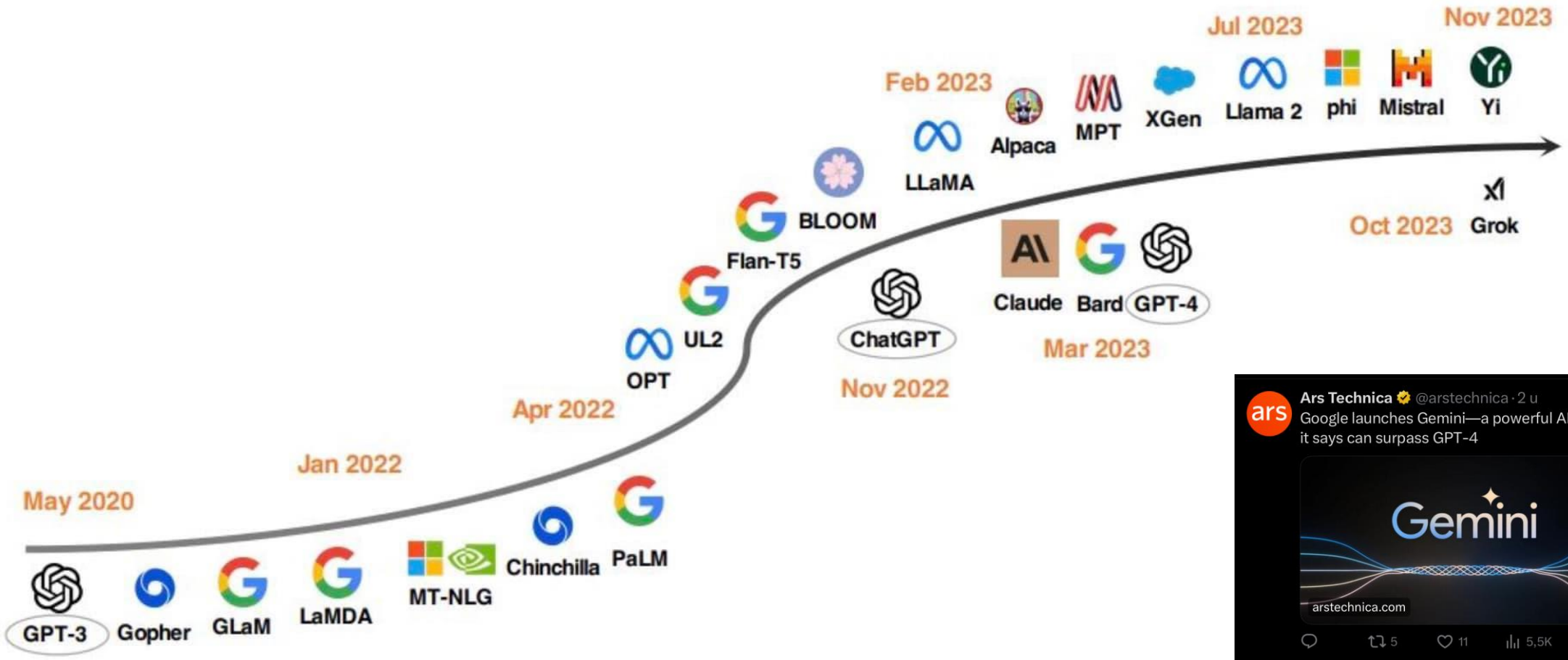


Figure 3: LLM development timeline. The models below the arrow are closed-source while those above the arrow are open-source.

VISCHER

Fiercely independent. Wholly collegiate.

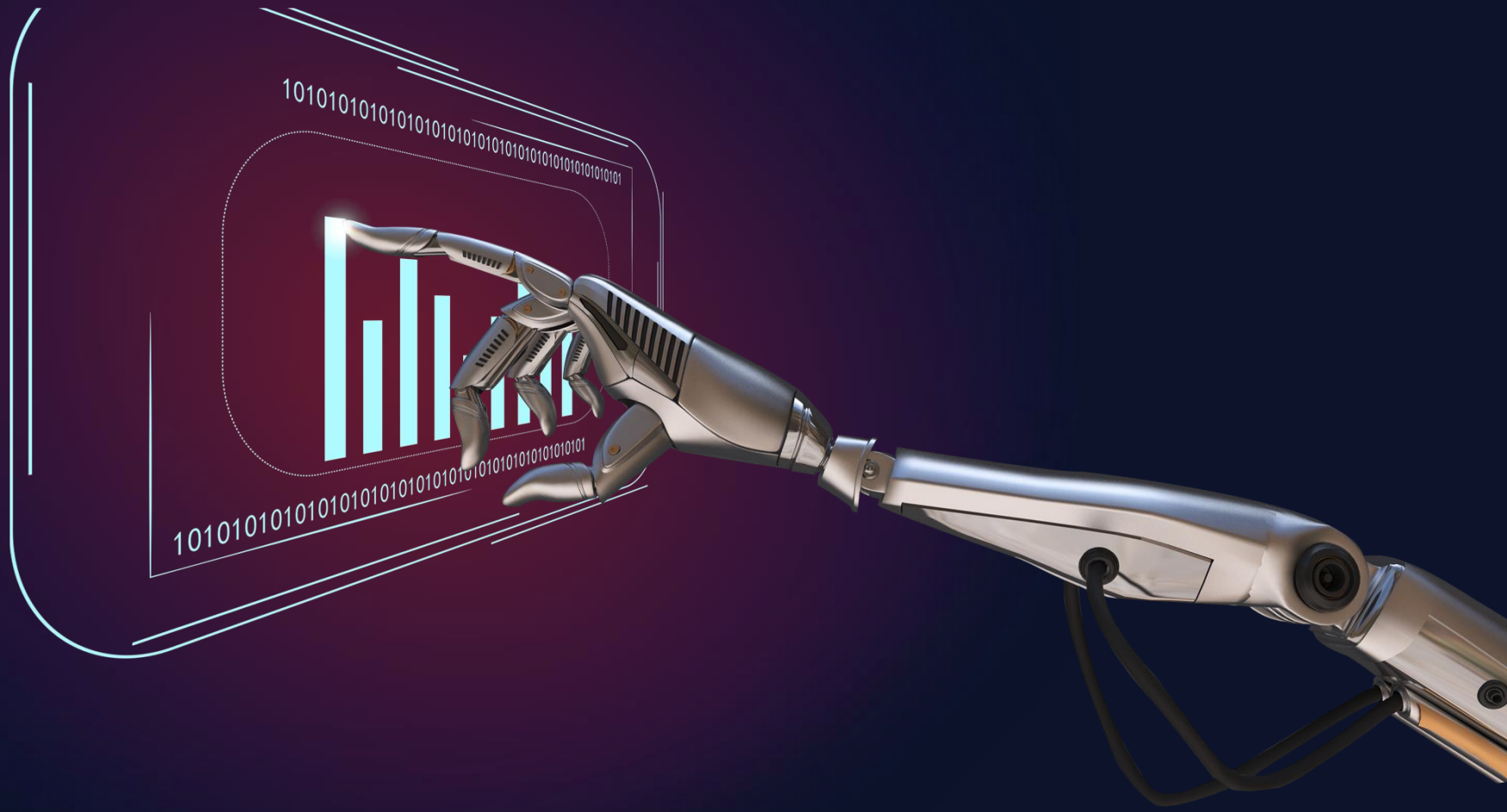
We are an influential, innovative Swiss law firm, dedicated to providing effective legal solutions for Swiss and international clients, covering business, tax and regulatory matters.

Only the use of **"Copilot for Microsoft 365"** or **"Azure OpenAI Service"** offers contractual protection in terms of data protection and confidentiality for companies. These services are obtained under business contracts such as the aforementioned MCA and are subject to the aforementioned Microsoft DPA. In addition, these services offer the option of concluding additional agreements for companies with special requirements, such as professional secrecy (e.g. lawyers, doctors, banks).

Part 2: Popular AI tools: What about data protection? - 22 January 2024 - VISCHER

PART 02

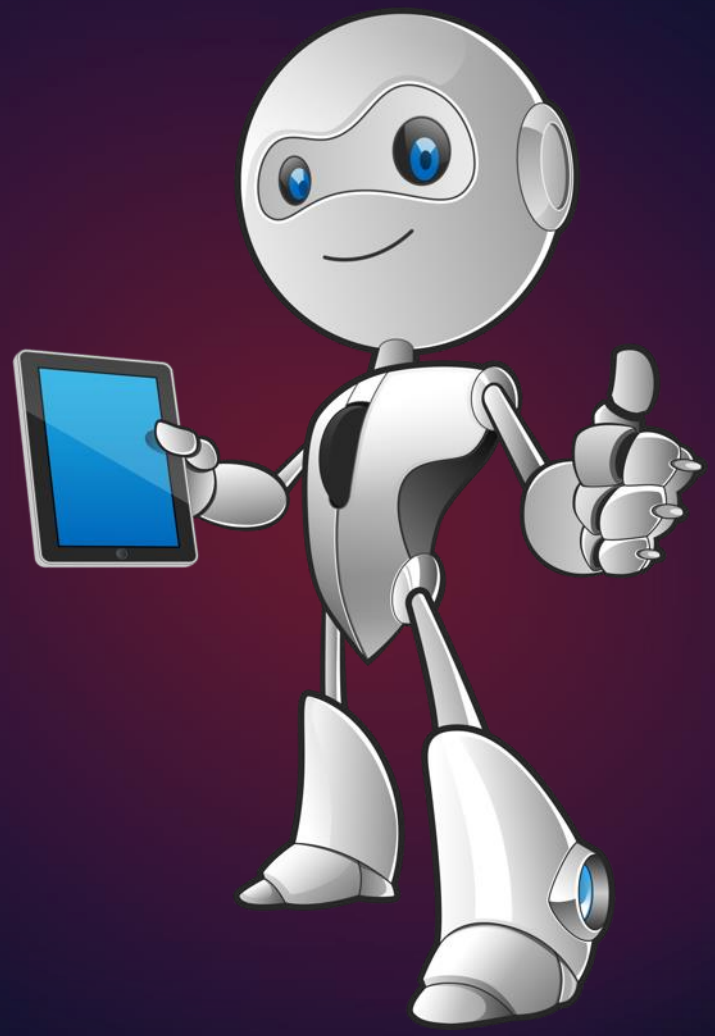
Start your journey



Part 2 – Start your journey

- ChatGPT/Bard/..
- Dall-E/Midjourny/picsart
- Ontelbare andere opties 152 Best AI Tools Of 2023 (synthesia.io)
- Business application integrations

- Custom Large Language Model (LLM) bots

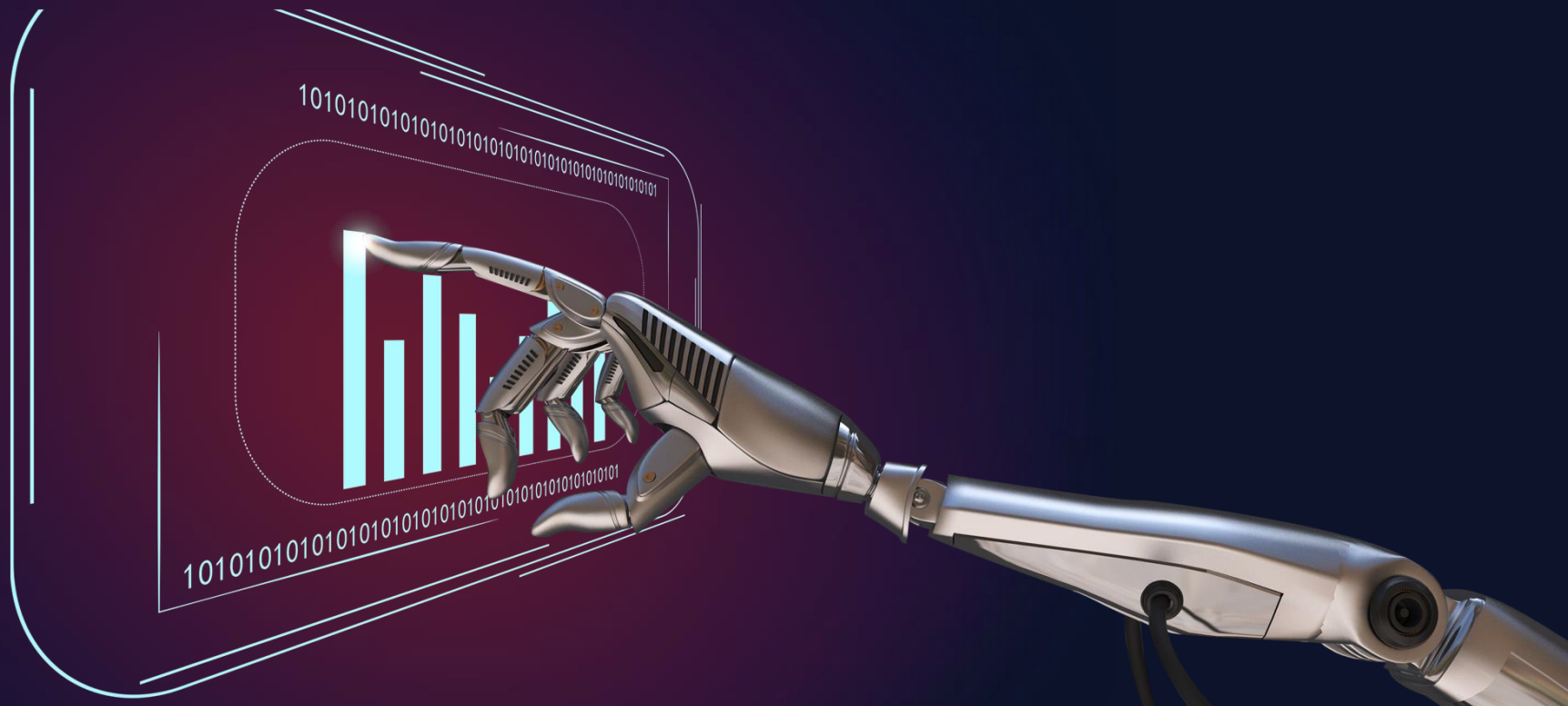


Microsoft based

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

PART 03

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/

ai | 1/207

Microsoft / Stories

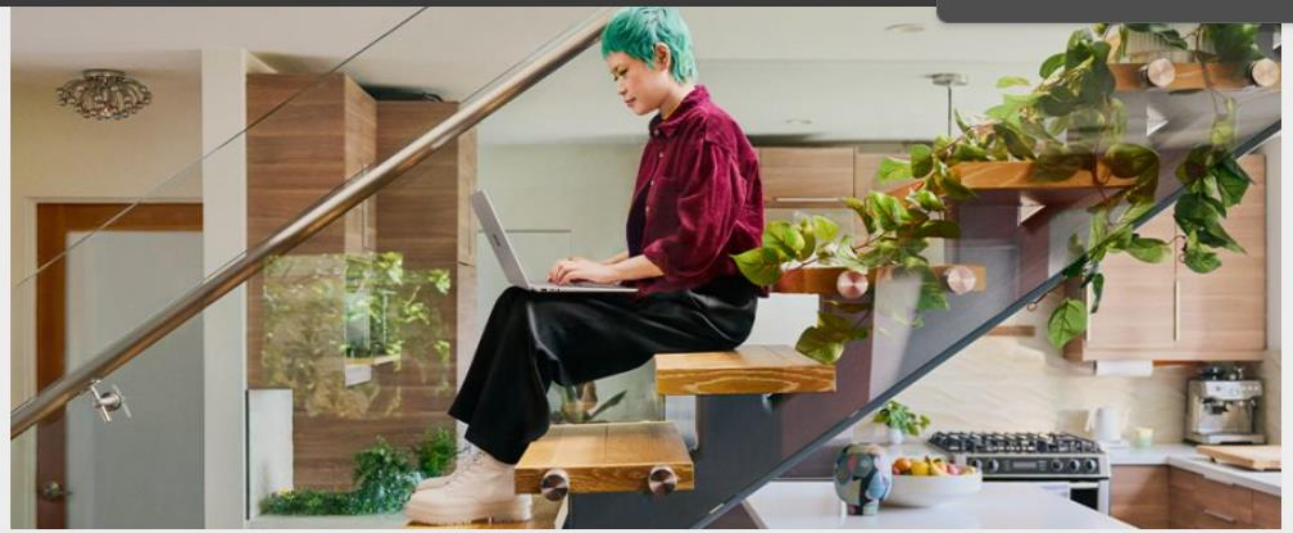


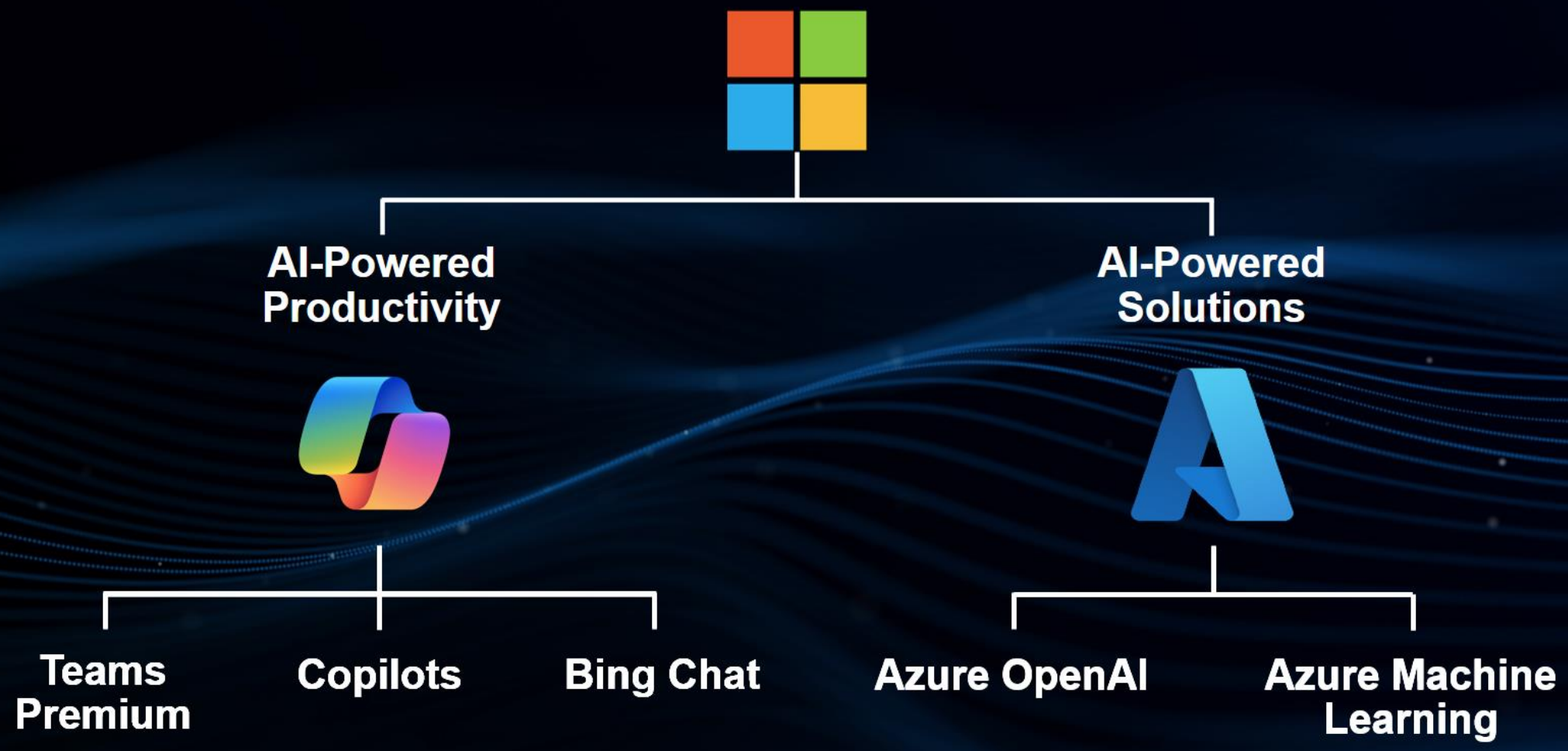
Table of Contents

Download Visual Assets

English

1.1.1. AZURE MACHINE LEARNING UPDATES

Microsoft A.I. Landscape



Part 3 – AI in the Microsoft world

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 extentions or connectors

Build your own Copilot

Azure AI services through **Azure AI studio**

Pre-built Azure AI services through **Microsoft Copilot Studio**

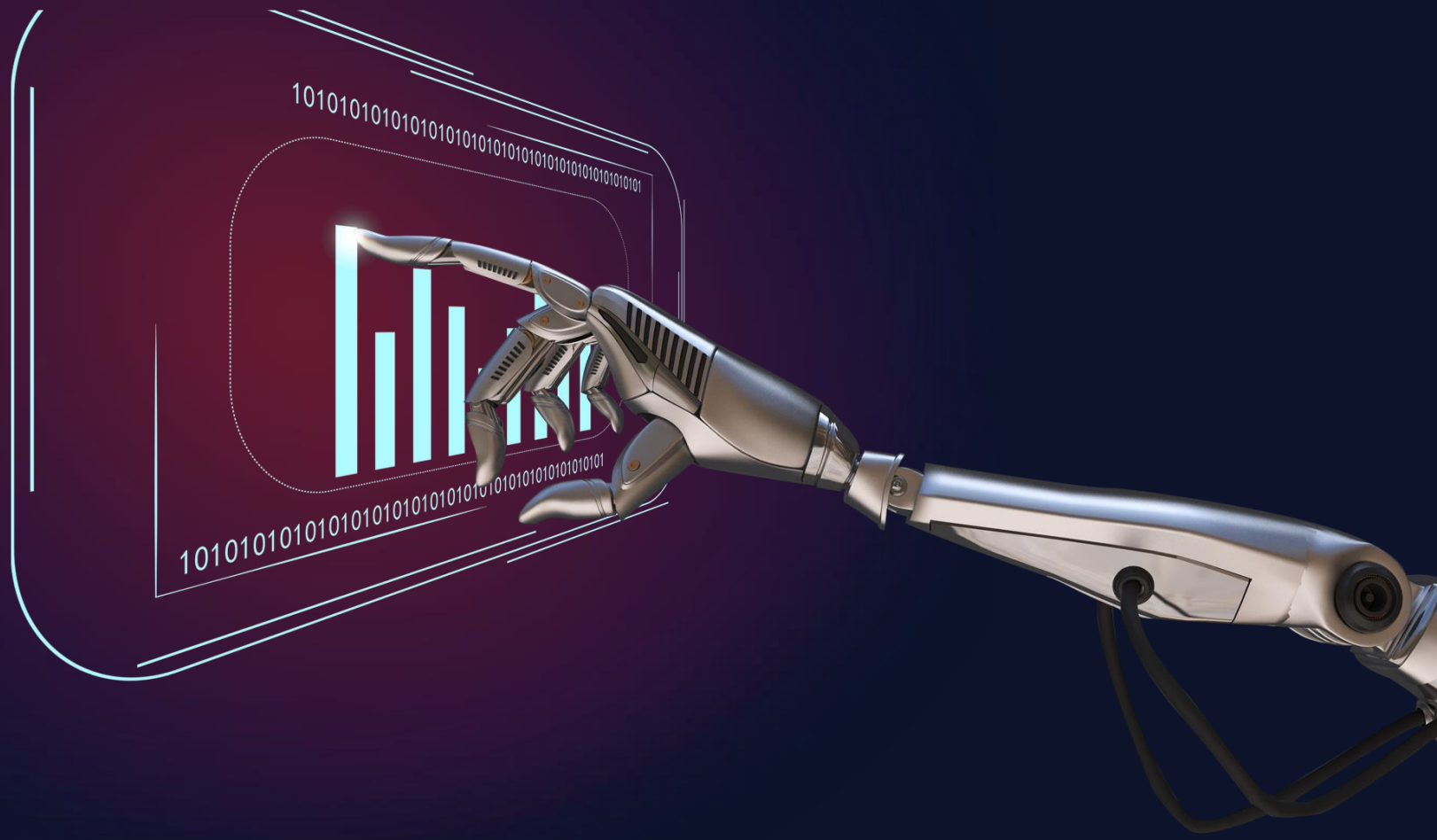
Start from scratch

Azure AI services etc. based on High code

Or running on own infrastructure

PART 04

Examples



Create Copilot

https://copilotstudio.microsoft.com/

Power Virtual Agents is now Microsoft Copilot Studio

Start with your data and plugins to create your own copilot and watch it handle conversations in real time.

Contoso Electronics Copilot Studio

Environment
Contoso (default)

EA

- Home
- Copilots
- Plugins (preview)
- Prompts (preview)
- Models (preview)
- Power Platform

Create conversational experiences

- Build quickly, with no code required
- Engage with customers where they are
- Get insights to monitor and improve performance

+ Create a copilot

Create a copilot

Set up the copilot

Start fresh with a new copilot, and start making it yours.

Copilot name *

First Copilot

What language do you want your copilot to speak? *

English (en-US)

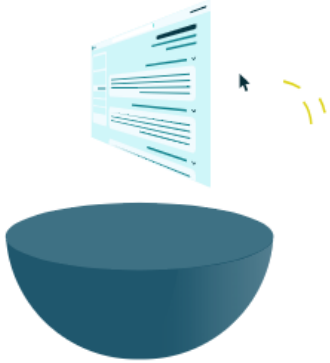
Give your copilot some knowledge by setting up your Generative AI

Add knowledge to your copilot by pointing it to an external website so your copilot can instantly answer questions over your data. Learn more

Enter your website

AI-generated content can have mistakes, so don't forget to make sure it's accurate and appropriate. Review the supplemental terms to learn more.

Thanks
We're setting up your copilot.



Contoso Electronics | Copilot Studio | First Copilot

Environment
Contoso (default)

EA

- Copilots
- Overview
- Generative AI
- Topics & Plugins
- Entities
- Analytics
- Publish
- Extend Microsoft Copilot (preview)
- Settings

Test copilot

Tracking: off

Chat

Hello, I'm First Copilot, a virtual assistant. Just so you are aware, I sometimes use AI to answer your questions. If you provided a website during creation, try asking me about it! Next try giving me some more knowledge by setting up generative AI.

5 minutes ago

First Copilot

EA

Share

Set up your generative AI

Add knowledge to your copilot by adding an external website, a SharePoint site, uploading files, and more so your copilot can instantly answer questions over your data. Learn more

Add a website

Allow your copilot to chat over the content of websites you choose.

Enter your website

Add a website

Add files

Allow your copilot to chat over the content of files you upload.

Add files

Manage generative AI

Manage your Generative AI settings, data sources, and enable even more powerful capabilities.

Go to Generative AI

Create custom topics

Build custom topics and workflows for your copilot to use.

Create topic

Create Plugins & Actions

Connect to your enterprise data, call APIs, connectors, Flows and more - and expose them as plugins for your copilot to use.

Create plugin action

Extend a Microsoft Copilot (preview)

Tailor your Microsoft Copilot for your enterprise needs with plugins.

Extend with conversational plugins

Learn more

Microsoft Copilot Studio documentation

Product videos

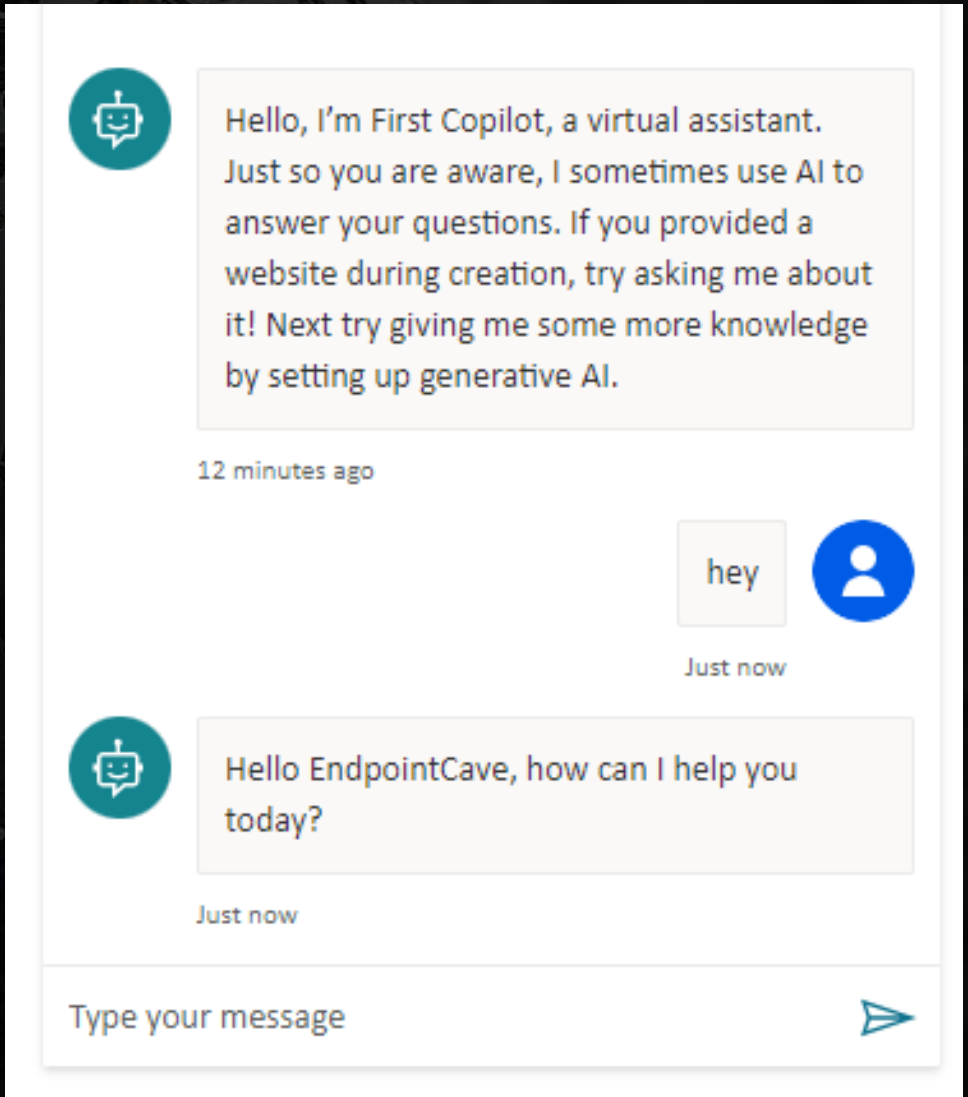
Building copilots better together

Tell us what you think

Ask questions and learn from the community

Support community

Let’s get personal



Contoso Electronics | Copilot Studio | First Copilot

Environment
Contoso (default)

EA

- Copilots
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- Generative AI
- Topics & Plugins
- Entities
- Analytics
- Publish
- Extend Microsoft Copilot (preview)
- Settings
  - Copilot details
  - AI integration tools
  - Channels
  - Customer engagement hub
  - Security
  - Skills
  - Language understanding
  - Languages

Test copilot

Tracking: off

Chat

Hello, I'm First Copilot, a virtual assistant. Just so you are aware, I sometimes use AI to answer your questions. If you provided a website during creation, try asking me about it! Next try giving me some more knowledge by setting up generative AI.

7 minutes ago

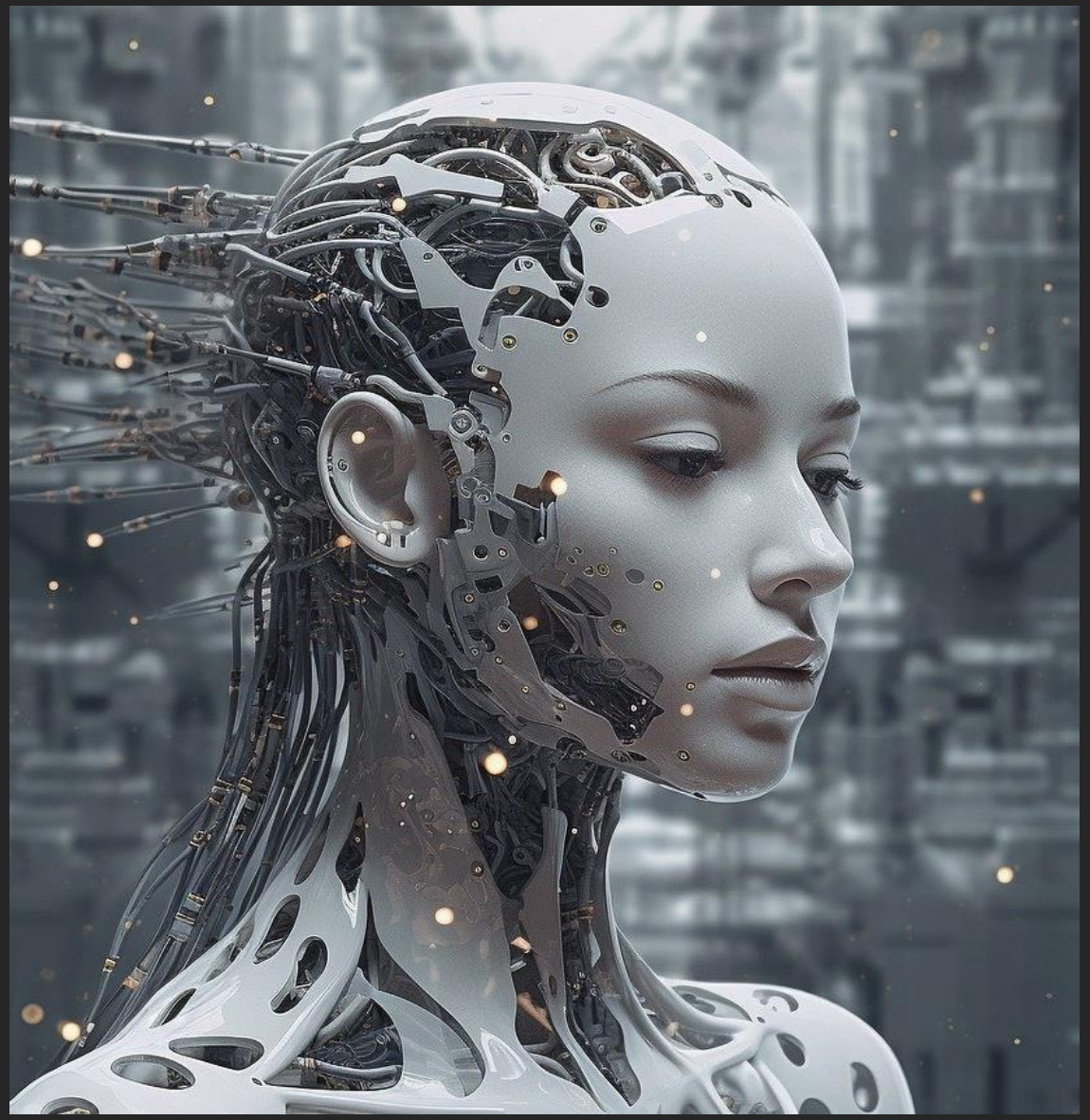
+ Add

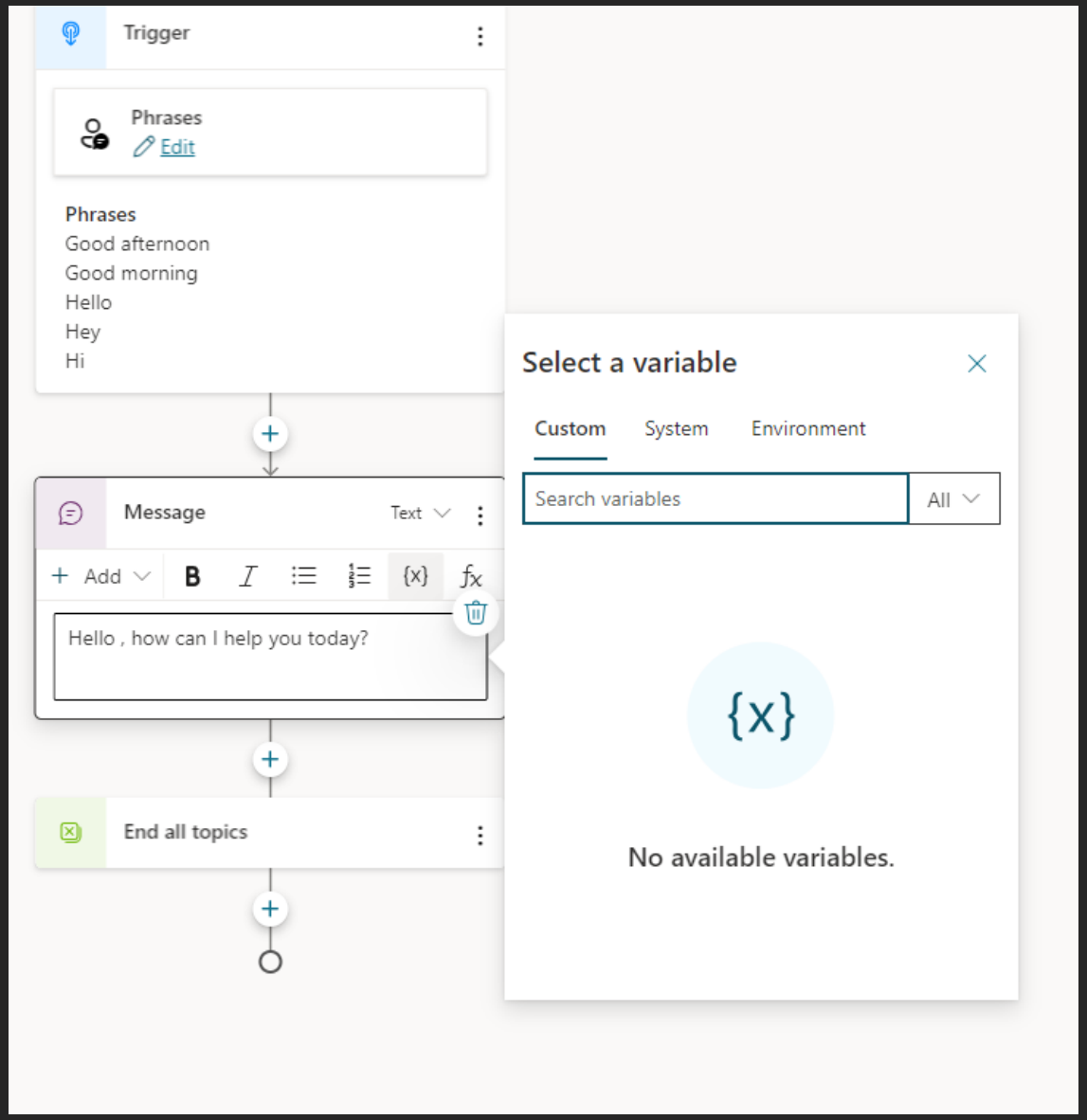
Topics & Plugins

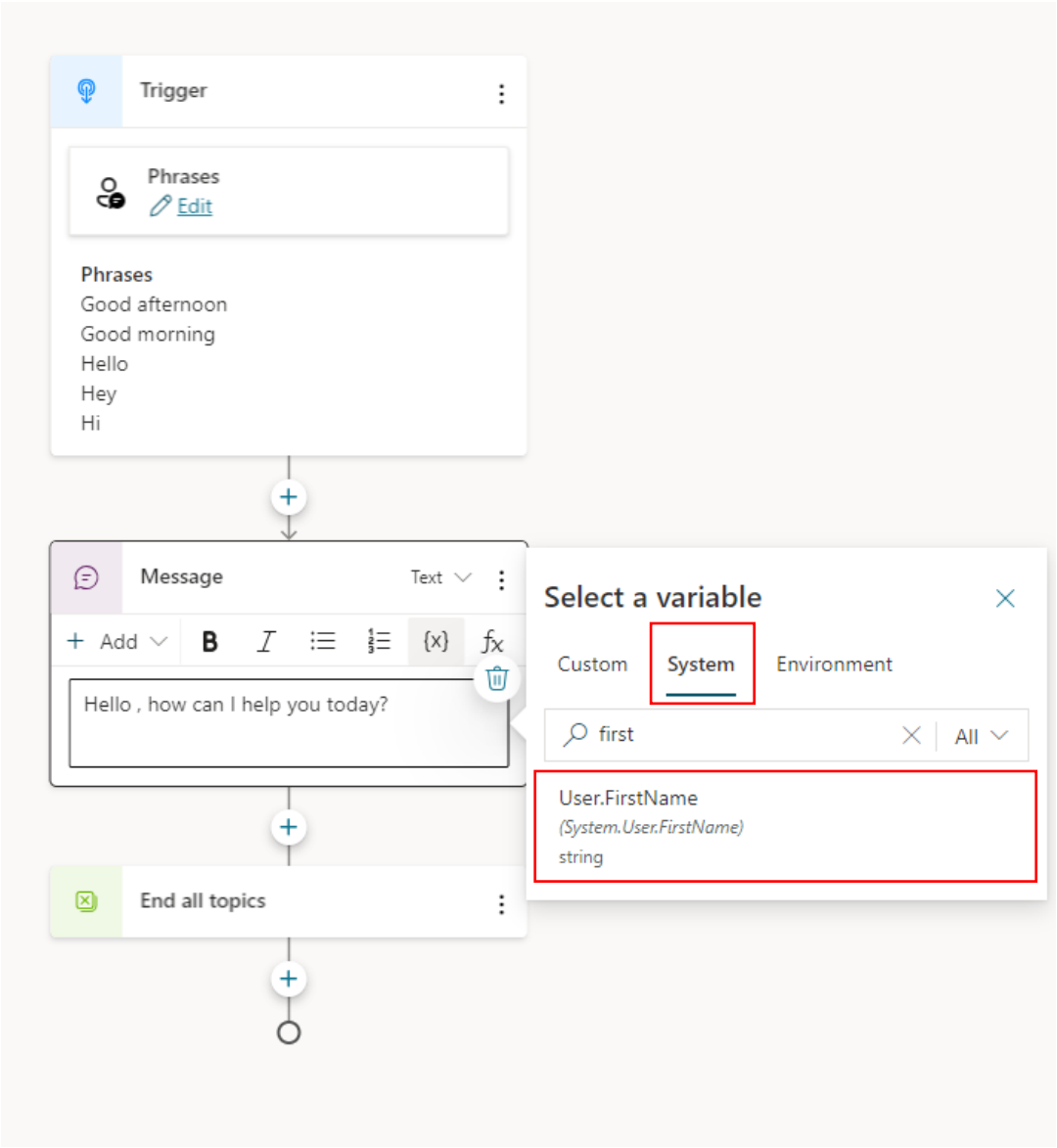
Search custom topics

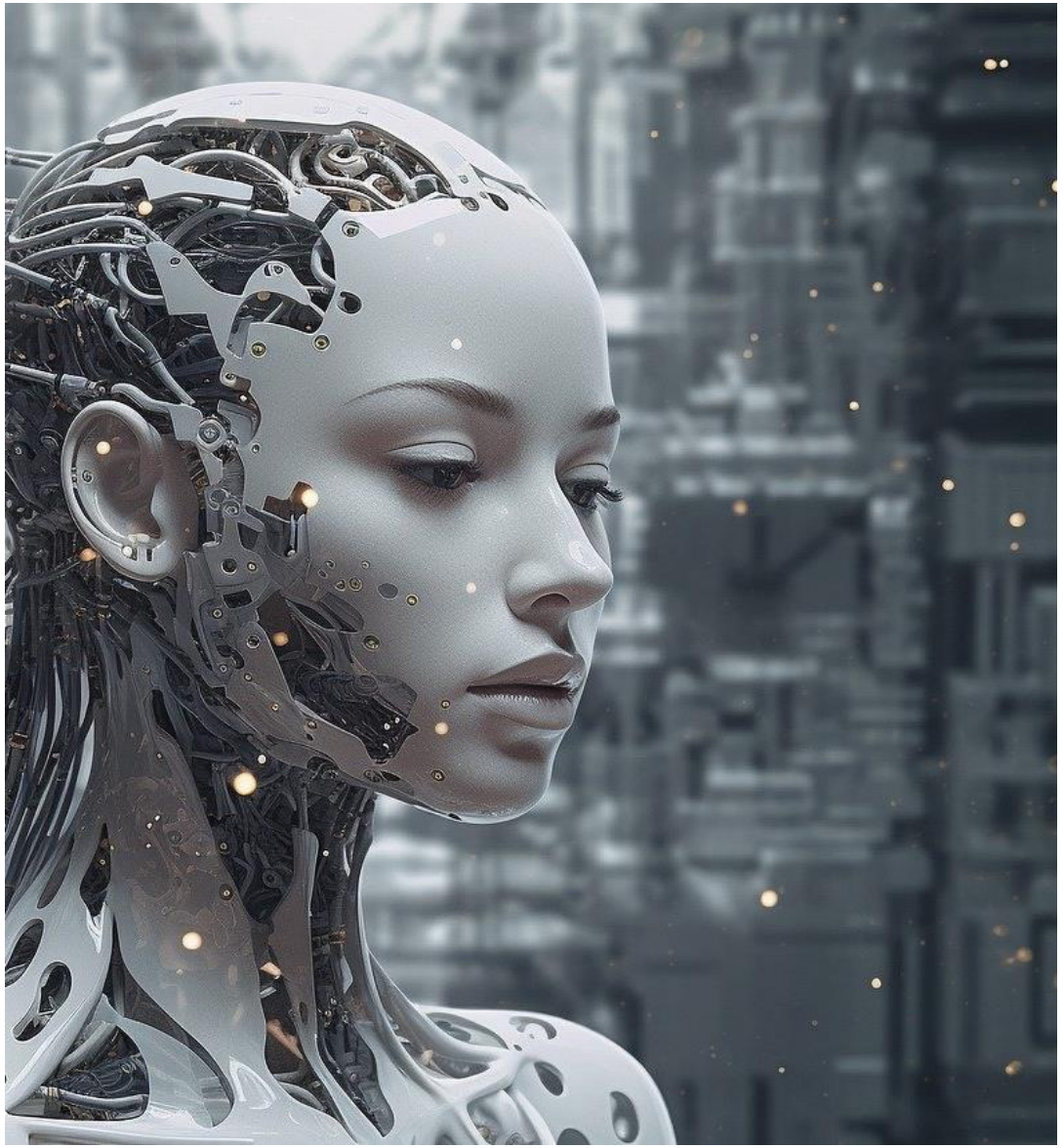
Topics (7) | Plugin actions (preview) (0) | System (8)

Name	Trigger	Description	Errors	Editing	Modified by
Goodbye	Phrases	This topic triggers when the user says goodbye. By default, it ...			EA EndpointCave Administrator 7 minutes ago
Greeting	Phrases	This topic is triggered when the user greets the bot.			EA EndpointCave Administrator 7 minutes ago
Lesson 1 - A simple topic	Phrases				EA EndpointCave Administrator 7 minutes ago
Lesson 2 - A simple topic with a condition and variable	Phrases				EA EndpointCave Administrator 7 minutes ago
Lesson 3 - A topic with a condition, variables and a pre-built ...	Phrases				EA EndpointCave Administrator 7 minutes ago
Start Over	Phrases				EA EndpointCave Administrator 7 minutes ago
Thank you	Phrases	This topic triggers when the user says thank you.			EA EndpointCave Administrator 7 minutes ago




Trigger
Phrases
Edit
Phrases
Good afternoon
Good morning
Hello
Hey
Hi
Message
Text
Add
Hello , how can I help you today?
End all topics
Select a variable
Custom
System
Environment
Search variables
All
No available variables.


Trigger
Phrases
Edit
Phrases
Good afternoon
Good morning
Hello
Hey
Hi
Message
Text
Add
Hello , how can I help you today?
Select a variable
Custom
System
Environment
first
All
User.FirstName
(System.User.FirstName)
string
End all topics



Edit

Phrases

Good afternoon
Good morning
Hello
Hey
Hi

Message Text

+ Add

Hello {x} User.FirstName string , I'm {x} Bot.Name string how can I help you today?

End all topics

answer your questions. If you
website during creation, try as
it! Next try giving me some more
by setting up generative AI.

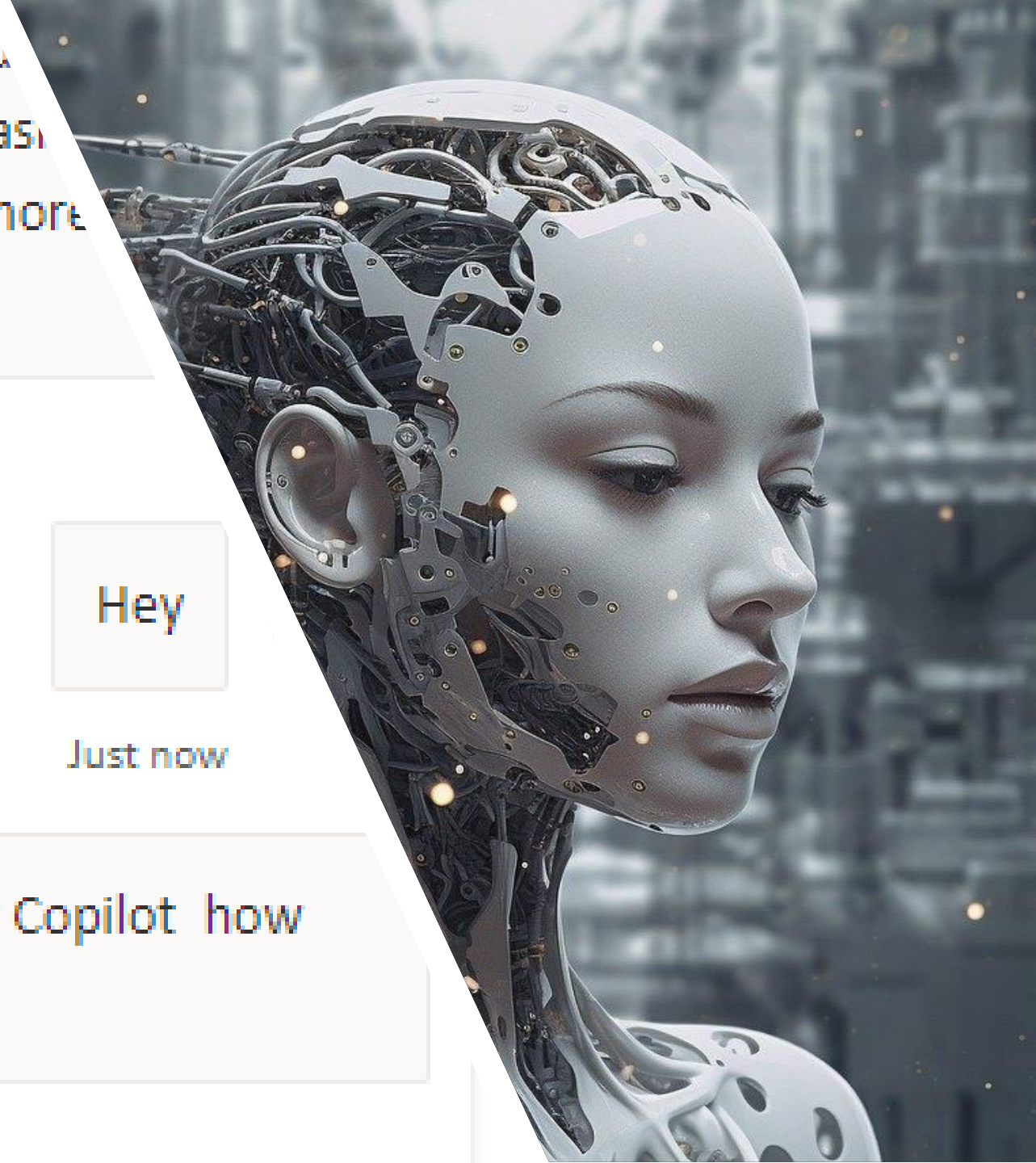
Just now

Hey

Just now

Hello EndpointCave, I'm First Copilot how can I help you today?

Just now



Topics

Learn new text

Copilots
Overview
Generative AI
Topics & Plugins
Entities
Analytics
Publish
Extend Microsoft Copilot (preview)
Settings
Copilot details
AI integration tools
Channels
Customer engagement hub
Security
Skills
Language understanding
Languages

+ Add

Topics & Plugins

Search custom topics

Topics (7) | Plugin actions (preview) (0) | System (8)

Name	Trigger	Description	Errors	Editing	Modified by
Goodbye	Phrases	This topic triggers when the user says goodbye. By default, it does not end the conver...			EA EndpointCave Administrator 16 minutes ago
Greeting	Phrases	This topic is triggered when the user greets the bot.		EA	EA EndpointCave Administrator a few seconds ago
Lesson 1 - A simple topic	Phrases				EA EndpointCave Administrator 16 minutes ago
Lesson 2 - A simple topic with a condition and variable	Phrases				EA EndpointCave Administrator 16 minutes ago
Lesson 3 - A topic with a condition, variables and a pre-built entity	Phrases				EA EndpointCave Administrator 16 minutes ago
Start Over	Phrases				EA EndpointCave Administrator 16 minutes ago
Thank you	Phrases	This topic triggers when the user says thank you.			EA EndpointCave Administrator 16 minutes ago

Topics > Untitled

EA Comments Topic checker Test copilot Save ...

Edit with Copilot Variables Analytics Details

Trigger

Phrases
Edit

Phrases
No phrases to show

Paste
Send a message
Ask a question
Ask with adaptive card
Add a condition
Variable management
Topic management
Call an action
Advanced

Properties

Select an item to view properties

Copilot

Microsoft API

Cross-domain protection

Microsoft 365 Defender

Identities
Endpoints
Apps
E-mail
Cloud Apps
Docs

Azure Defender

SQL
Server VMs
Containers
Network
IoT
Azure App Services

Microsoft Defender

XDR

Defender for Endpoint

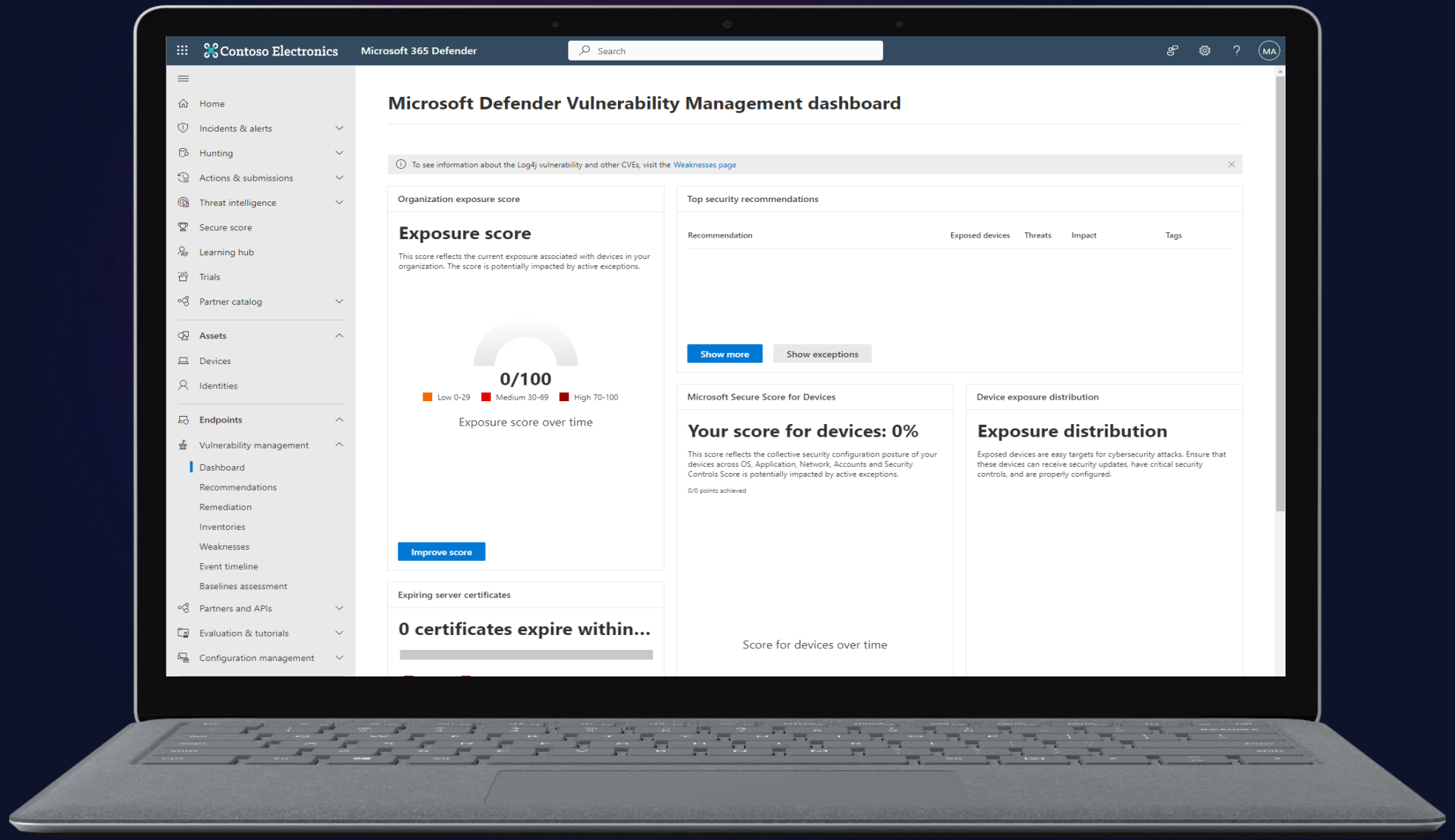
NEXT GENERATION PROTECTION

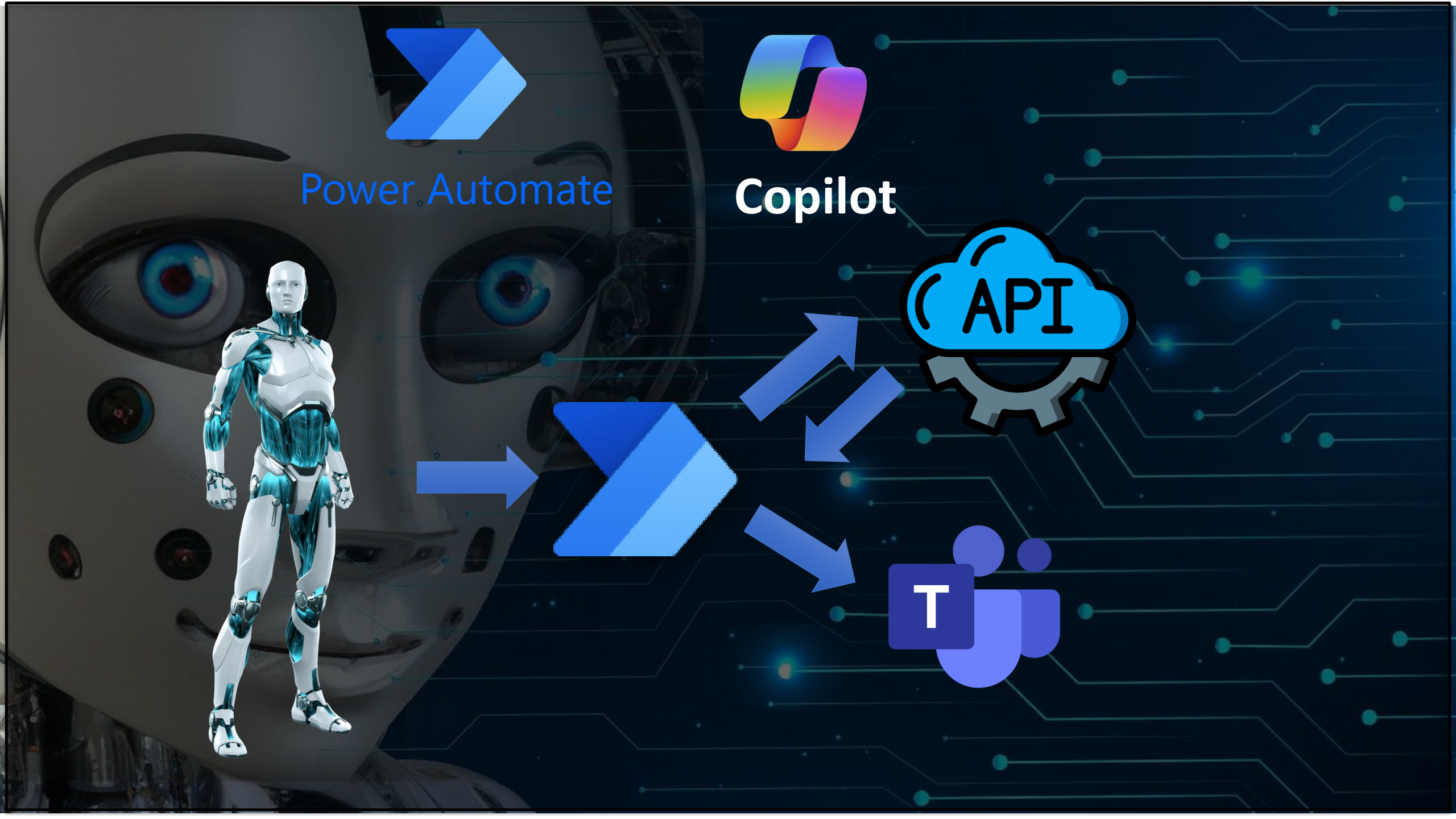
AUTO INVESTIGATION & REMEDIATION

THREAT & VULNERABILITY MANAGEMENT

ATTACK SURFACE REDUCTION

ENDPOINT DETECTION & RESPONSE


Contoso Electronics
Microsoft 365 Defender
Search
MA
Home
Incidents & alerts
Hunting
Actions & submissions
Threat intelligence
Secure score
Learning hub
Trials
Partner catalog
Assets
Devices
Identities
Endpoints
Vulnerability management
Dashboard
Recommendations
Remediation
Inventories
Weaknesses
Event timeline
Baselines assessment
Partners and APIs
Evaluation & tutorials
Configuration management
Microsoft Defender Vulnerability Management dashboard
To see information about the Log4j vulnerability and other CVEs, visit the Weaknesses page
Organization exposure score
Exposure score
This score reflects the current exposure associated with devices in your organization. The score is potentially impacted by active exceptions.
0/100
Low 0-29
Medium 30-69
High 70-100
Exposure score over time
Improve score
Top security recommendations
Recommendation
Exposed devices
Threats
Impact
Tags
Show more
Show exceptions
Microsoft Secure Score for Devices
Your score for devices: 0%
This score reflects the collective security configuration posture of your devices across OS, Application, Network, Accounts and Security Controls Score is potentially impacted by active exceptions.
0/0 points achieved
Score for devices over time
Device exposure distribution
Exposure distribution
Exposed devices are easy targets for cybersecurity attacks. Ensure that these devices can receive security updates, have critical security controls, and are properly configured.
Expiring server certificates
0 certificates expire within...


Power Automate
Copilot
API
T

Create an Entra ID App registration

Home > EndpointCave | App registrations >

Register an application

* Name

The user-facing display name for this application (this can be changed later).

Defender Security Recommendations

Supported account types

Who can use this application or access this API?

- (●) Accounts in this organizational directory only (EndpointCave only - Single tenant)
- ( ) Accounts in any organizational directory (Any Azure AD directory - Multitenant)
- ( ) Accounts in any organizational directory (Any Azure AD directory - Multitenant) and personal Microsoft accounts (e.g. Skype, Xbox)
- ( ) Personal Microsoft accounts only

Help me choose...

Redirect URI (optional)

We'll return the authentication response to this URI after successfully authenticating the user. Providing this now is optional and it can be changed later, but a value is required for most authentication scenarios.

Select a platform | e.g. https://example.com/auth

API Permissions

Home > EndpointCave | App registrations > Defender Security Recommendations

Defender Security Recommendations | API permissions

Search

- Overview
- Quickstart
- Integration assistant

Manage

- Branding & properties
- Authentication
- Certificates & secrets
- Token configuration
- API permissions
- Expose an API
- App roles
- Owners
- Roles and administrators
- Manifest

Support + Troubleshooting

- Troubleshooting
- New support request

Refresh | Got feedback?

The "Admin consent required" column shows the default value for an organization. However, user consent can be customized per permission, user, or app. This column may not reflect the value in your organization, or in organizations where this app will be used. Learn more

Configured permissions

Applications are authorized to call APIs when they are granted permissions by users/admins as part of the consent process. The list of configured permissions should include all the permissions the application needs. Learn more about permissions and consent

Add a permission | Grant admin consent for EndpointCave

API / Permissions name	Type	Description	Admin consent requ...	Status
Microsoft Graph (1)				
User.Read	Delegated	Sign in and read user profile	No	

To view and manage consented permissions for individual apps, as well as your tenant's consent settings, try Enterprise applications.

Grant API Permissions

Request API permissions

Select an API

Microsoft APIs | **APIs my organization uses** | My APIs

Apps in your directory that expose APIs are shown below

windowsde

Name	Application (client) ID
WindowsDefenderATP	fc780465-2017-40d4-a0c5-307022471b92

Grant Admin consent

Home > EndpointCave | App registrations > Defender Security Recommendations

Defender Security Recommendations | API permissions

Search

- Overview
- Quickstart
- Integration assistant

Manage

- Branding & properties
- Authentication
- Certificates & secrets
- Token configuration
- API permissions
- Expose an API
- App roles
- Owners
- Roles and administrators
- Manifest

Support + Troubleshooting

- Troubleshooting
- New support request

Refresh | Got feedback?

You are editing permission(s) to your application, users will have to consent even if they've already done so previously.

The "Admin consent required" column shows the default value for an organization. However, user consent can be customized per permission, user, or app. This column may not reflect the value in your organization, or in organizations where this app will be used. Learn more

Configured permissions

Applications are authorized to call APIs when they are granted permissions by users/admins as part of the consent process. The list of configured permissions should include all the permissions the application needs. Learn more about permissions and consent

Add a permission | Grant admin consent for EndpointCave

API / Permissions name	Type	Description	Admin consent requ...	Status
Microsoft Graph (1)				
User.Read	Delegated	Sign in and read user profile	No	
WindowsDefenderATP (1)				
SecurityRecommendation.Read.A	Application	Read Threat and Vulnerability Management security reco...	Yes	Not granted for Endpoi...

To view and manage consented permissions for individual apps, as well as your tenant's consent settings, try Enterprise applications.

Home > EndpointCave | App registrations > Defender Security Recommendations

Defender Security Recommendations | API permissions

Search

- Overview
- Quickstart
- Integration assistant

Manage

- Branding & properties
- Authentication
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- Token configuration
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- Expose an API
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- Owners
- Roles and administrators
- Manifest

Support + Troubleshooting

- Troubleshooting
- New support request

Refresh | Got feedback?

Successfully granted admin consent for the requested permissions.

The "Admin consent required" column shows the default value for an organization. However, user consent can be customized per permission, user, or app. This column may not reflect the value in your organization, or in organizations where this app will be used. Learn more

Configured permissions

Applications are authorized to call APIs when they are granted permissions by users/admins as part of the consent process. The list of configured permissions should include all the permissions the application needs. Learn more about permissions and consent

Add a permission | Grant admin consent for EndpointCave

API / Permissions name	Type	Description	Admin consent requ...	Status
Microsoft Graph (1)				
User.Read	Delegated	Sign in and read user profile	No	Granted for EndpointCave
WindowsDefenderATP (1)				
SecurityRecommendation.Read.A	Application	Read Threat and Vulnerability Management security reco...	Yes	Granted for EndpointCave

To view and manage consented permissions for individual apps, as well as your tenant's consent settings, try Enterprise applications.

Authentication

Home > EndpointCave | App registrations > Defender Security Recommendations

Defender Security Recommendations | Certificates & secrets

Search

- Overview
- Quickstart
- Integration assistant

Manage

- Branding & properties
- Authentication
- Certificates & secrets
- Token configuration
- API permissions
- Expose an API
- App roles
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- Manifest

Support + Troubleshooting

- Troubleshooting
- New support request

Got feedback?

Credentials enable confidential applications to identify themselves to the authentication service when receiving tokens at a web addressable location (using an HTTPS scheme). For a higher level of assurance, we recommend using a certificate (instead of a client secret) as a credential.

Application registration certificates, secrets and federated credentials can be found in the tabs below.

Certificates (0) | **Client secrets (0)** | Federated credentials (0)

A secret string that the application uses to prove its identity when requesting a token. Also can be referred to as application password.

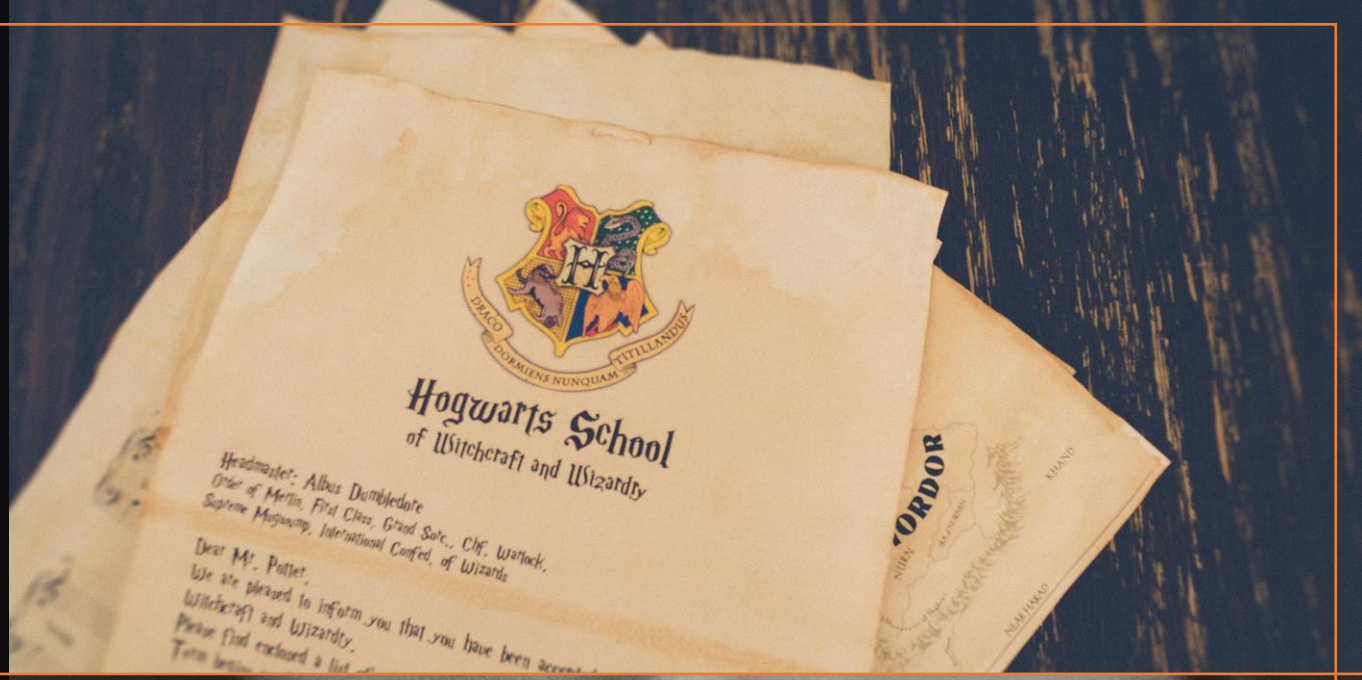
+ New client secret

Description	Expires	Value	Secret ID

No client secrets have been created for this application.

CERTIFICATE

SECRET



Microsoft Azure | Search resources, services, and docs (G+/) | admin@M365x4584754... ENDPOINTCAVE (M365X4584754...

Home > Key vaults >

Create a key vault

Project details

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription * Visual Studio Enterprise Subscription – MPN

Resource group * Keyvault

Create new

Instance details

Key vault name * Keyvault-WorkplaceDudes

Region * West Europe

Pricing tier * Standard

Recovery options

Soft delete protection will automatically be enabled on this key vault. This feature allows you to recover or permanently delete

Keyvault-WorkplaceDudes

Key vault

Search

- Overview
- Activity log
- Access control (IAM)
- Tags
- Diagnose and solve problems
- Access policies
- Events

Objects

- Keys
- Secrets
- Certificates

Settings

- Access configuration
- Networking
- Microsoft Defender for Cloud
- Properties
- Locks

Monitoring

- Alerts
- Metrics
- Diagnostic settings
- Logs
- Insights
- Workbooks

Automation

Delete | Move | Refresh | Open in mobile

Upcoming TLS 1.0, 1.1 deprecation: Please enable support for TLS 1.2 on clients (applications/platform) to avoid any service impact. Learn more here. →

Essentials JSON View

Resource group (move)	: Keyvault
Location	: West Europe
Subscription (move)	: Visual Studio Enterprise Subscription – MPN
Subscription ID	: [redacted]
Tags (edit)	: Add tags
Vault URI	: https://keyvault-workplacedudes.vault.azure.net/
Sku (Pricing tier)	: Standard
Directory ID	: [redacted]
Directory Name	: EndpointCave
Soft-delete	: Enabled
Purge protection	: Disabled

Get started | Properties | Monitoring | Tools + SDKs | Tutorials

Manage keys and secrets used by apps and services

Our recommendation is to use a vault per application per environment (Development, Pre-Production and Production). This helps you to not share secrets across environments and also reduces the threat in case of a breach.

Control access to key vault

Assign access policy and determine whether a given service principal, namely an application or user group, can perform different operations on key vault keys, secrets or certificates.

Access configuration

Access policies
Access control (IAM)

Enable logging and set up alerts

Enable logging to monitor how, when and by whom your key vaults are accessed. Monitor performance and configure alerts for key vault metrics e.g., service API latency, error code, throttling.

View

Turn on recovery options

For protection against accidental or malicious deletion, soft-delete is enabled. Turn on purge protection to guard against manual purging of deleted key vaults and items. Learn more

Explore

Keyvault-WorkplaceDudes | Certificates

Key vault

Search

- Overview
- Activity log
- Access control (IAM)
- Tags
- Diagnose and solve problems
- Access policies
- Events

Objects

- Keys
- Secrets
- Certificates

Settings

- Access configuration
- Networking
- Microsoft Defender for Cloud
- Properties

Generate/Import | Refresh | Restore Backup | Manage deleted certificates | Certificate Contacts | Certificate Authorities

Name	Thumbprint	Status	Expiration date
There are no certificates available.			

Home > Key vaults > Keyvault-WorkplaceDudes | Certificates >

Create a certificate

Method of Certificate Creation	Generate
Certificate Name *	WorkplaceDudes
Type of Certificate Authority (CA)	Self-signed certificate
Subject *	CN=WorkplaceDudes
DNS Names	0 DNS names
Validity Period (in months) *	12
Content Type	PKCS #12 / PEM
Lifetime Action Type	Automatically renew at a given percentage lifetime
Percentage Lifetime *	80
Advanced Policy Configuration	Not configured
Tags	0 tags

Keyvault-WorkplaceDudes | Certificates

Key vault

Search

- Overview
- Activity log
- Access control (IAM)
- Tags
- Diagnose and solve problems
- Access policies
- Events

Objects

- Keys
- Secrets
- Certificates

Generate/Import | Refresh | Restore Backup | Manage deleted certificates | Certificate Contacts | Certificate Authorities

The creation of certificate 'WorkplaceDudes' is currently pending. Click here to go to its Certificate Operation to monitor the progress. →

Name	Thumbprint	Status	Expiration date
Completed			
There are no certificates available.			
In progress, failed or cancelled			
WorkplaceDudes		Disabled	06/02/2025

Keyvault-WorkplaceDudes | Certificates

Key vault

Search

- Overview
- Activity log
- Access control (IAM)
- Tags
- Diagnose and solve problems
- Access policies
- Events

Objects

- Keys
- Secrets
- Certificates

Settings

Generate/Import | Refresh | Restore Backup | Manage deleted certificates | Certificate Contacts | Certificate Authorities

Name	Thumbprint	Status	Expiration date
Completed			
WworkplaceDudes	[illegible]	✓ Enabled	06/02/2025
In progress, failed or cancelled			
There are no certificates available.			

Home > Key vaults > Keyvault-WorkplaceDudes | Certificates > WorkplaceDudes >

Certificate Version

Save | Discard changes | Download in CER format | Download in PFX/PEM format

Properties

Created: 06/02/2024, 21:31:57

Updated: 06/02/2024, 21:31:57

Certificate Identifier: https://keyvault-workplacedudes.vault.azure.net/certificates/WorkplaceDudes/

Copy to clipboard

Settings

Set activation date: ☑

Activation date: 06/02/2024 21:21:57

(UTC+01:00) Amsterdam, Berlin, Bern, Rome, Stockholm, Vienna

Set expiration date: ☑

Expiration date: 06/02/2025 21:31:57

(UTC+01:00) Amsterdam, Berlin, Bern, Rome, Stockholm, Vienna

Enabled: Yes | No

Tags: 0 tags

Certificate

Subject: CN=WorkplaceDudes

Issuer: CN=WorkplaceDudes

Serial Number:

Subject Alternative Name:

X.509 SHA-1 Thumbprint (in hex):

Key Identifier: https://keyvault-workplacedudes.vault.azure.net/keys/WorkplaceDudes/

Secret Identifier: https://keyvault-workplacedudes.vault.azure.net/secrets/WorkplaceDudes/

Home > EndpointCave | App registrations > Defender Security Recommendations

Defender Security Recommendations | Certificates & secrets

Search

- Overview
- Quickstart
- Integration assistant

Manage

- Branding & properties
- Authentication
- Certificates & secrets
- Token configuration
- API permissions
- Expose an API
- App roles
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- Roles and administrators
- Manifest

Support + Troubleshooting

- Troubleshooting
- New support request

Got feedback?

Credentials enable confidential applications to identify themselves to the authentication service when receiving tokens at a web addressable location (using an HTTPS scheme). For a higher level of assurance, we recommend using a certificate (instead of a client secret) as a credential.

Application registration certificates, secrets and federated credentials can be found in the tabs below.

Certificates (0) Client secrets (0) Federated credentials (0)

Certificates can be used as secrets to prove the application's identity when requesting a token. Also can be referred to as public keys.

Upload certificate

Thumbprint	Description	Start date	Expires	Certificate ID

No certificates have been added for this application.

Upload certificate

Upload a certificate (public key) with one of the following file types: .cer, .pem, .crt *

"WorkplaceDudes_[redacted]a62.cer"

Description

Enter a description for this certificate

Defender Security Recommendations | Certificates & secrets

Search

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Support + Troubleshooting

Troubleshooting
New support request

Got feedback?

Got a second to give us some feedback? →

Credentials enable confidential applications to identify themselves to the authentication service when receiving tokens at a web addressable location (using an HTTPS scheme). For a higher level of assurance, we recommend using a certificate (instead of a client secret) as a credential.

Application registration certificates, secrets and federated credentials can be found in the tabs below.

Certificates (1) Client secrets (0) Federated credentials (0)

Certificates can be used as secrets to prove the application's identity when requesting a token. Also can be referred to as public keys.

Upload certificate

Thumbprint	Description	Start date	Expires	Certificate ID
[illegible]	CN=WorkplaceDudes	06/02/2024	06/02/2025	[illegible]

Key Vault

IAM

Microsoft Azure | Search resources, services, and docs (G+/) | admin@M365x4584754... ENDPOINTCAVE (M365X4584754...

Home > Key vaults > Keyvault-WorkplaceDudes | Access control (IAM) >

Add role assignment

Role | Members | Review + assign

A role definition is a collection of permissions. You can use the built-in roles or you can create your own custom roles. Learn more

Assignment type

Job function roles | Privileged administrator roles

Grant access to Azure resources based on job function, such as the ability to create virtual machines.

Key Vault Secrets User | Type : All | Category : All

Name	Description	Type	Category	Details
Key Vault Certificate User	Read certificate contents. Only works for key vaults that use the 'Azure role-based acc...	BuiltInRole	None	View
Key Vault Data Access Administra...	Manage access to Azure Key Vault by adding or removing role assignments for the Ke...	BuiltInRole	None	View
Key Vault Secrets User	Read secret contents. Only works for key vaults that use the 'Azure role-based access ...	BuiltInRole	Security	View

Showing 1 - 3 of 3 results.

Microsoft Azure | Search resources, services, and docs (G+/) | admin@M365x4584754... ENDPOINTCAVE (M365X4584754...

Home > Key vaults > Keyvault-WorkplaceDudes | Access control (IAM) >

Add role assignment

Role | Members | Review + assign

Selected role Key Vault Secrets User

Assign access to
- User, group, or service principal
- Managed identity

Members + Select members

Name	Object ID	Type
No members selected		

Description Optional

Select members

Select

dataver

Dataverse

Selected members:
No members selected. Search for and add one or more members you want to assign to the role for this resource.

Learn more about RBAC

Subscription

Resource Providers

Microsoft Azure | Search resources, services, and docs (G+/) | admin@M365x4584754... ENDPOINTCAVE (M365X4584754...

Home > Subscriptions > Subscriptions > Visual Studio Enterprise Subscription – MPN

Visual Studio Enterprise Subscription – MPN | Resource providers

Subscription

Search

- Resource groups
- Resources
- Preview features
- Usage + quotas
- Policies
- Management certificates
- My permissions
- Resource providers
- Deployments
- Deployment stacks

Register | Unregister | Refresh | Feedback

Microsoft.powerpl

Provider	Status
Microsoft.PowerPlatform	Registered

Power Automate

Build a solution

Contoso Electronics Power Automate

Search

Environments
Contoso (default)

EA

Objects

Search

All (0)
Apps (0)
Cards (0)
Chatbots (0)
Cloud flows (0)
Tables (0)

New | Add existing | Publish all customizations | ...

Search

WorkplaceDudes > All

Display name	Name	Type	Managed	Last Modif...	Owner

We didn't find anything to show here

New environment variable

Environment variables can have different values when re-used, enter information about this variable so that future users can understand its purpose. Learn more

Display name *

AR_Certificate

Name *

wpd_ AR_Certificate

Description

Data Type *

Secret

Learn more about Environment variable secrets

Secret Store *

Azure Key Vault

Current Azure Key Vault secret

Save Cancel

New environment variable

Azure Key Vault

Current Azure Key Vault secret

Override the default value by setting the current value for your environment.

New Azure Key Vault secret reference

Azure Subscription Id

[redacted]5

Resource Group Name

Keyvault

Azure Key Vault Name

Keyvault-WorkplaceDudes

Secret Name

WorkplaceDudes

Show default value

Save Cancel

Edit Client_ID

Use this variable to store information about an app or flow. Its values can be updated as it moves to different environments. Learn more

Display name *

Client_ID

Name *

wpd_Client_ID

Description

Data Type *

Text

Default Value

Current Value

Override the default value by setting the current value for your environment.

Save | Cancel

Edit Tenant_ID

Use this variable to store information about an app or flow. Its values can be updated as it moves to different environments. Learn more

Display name *

Tenant_ID

Name *

wpd_Tenant_ID

Description

Data Type *

Text

Default Value

Current Value

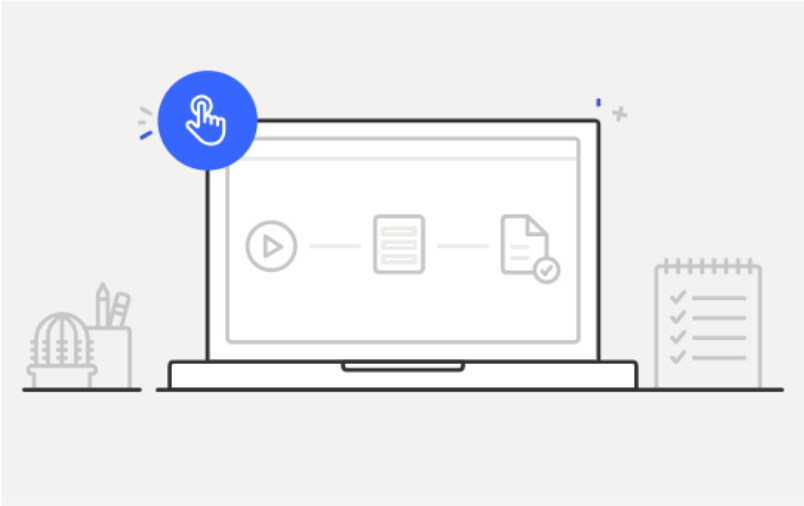
Override the default value by setting the current value for your environment.

Save | Cancel

Power Automate Flow

Build the Power

Build an instant cloud flow



Triggered manually from any device, easy-to-share instant flows automate tasks so you don't have to repeat yourself.

Examples:

- Get an automatic mobile alert whenever a VIP client emails you
- Save all your email attachments to a folder automatically

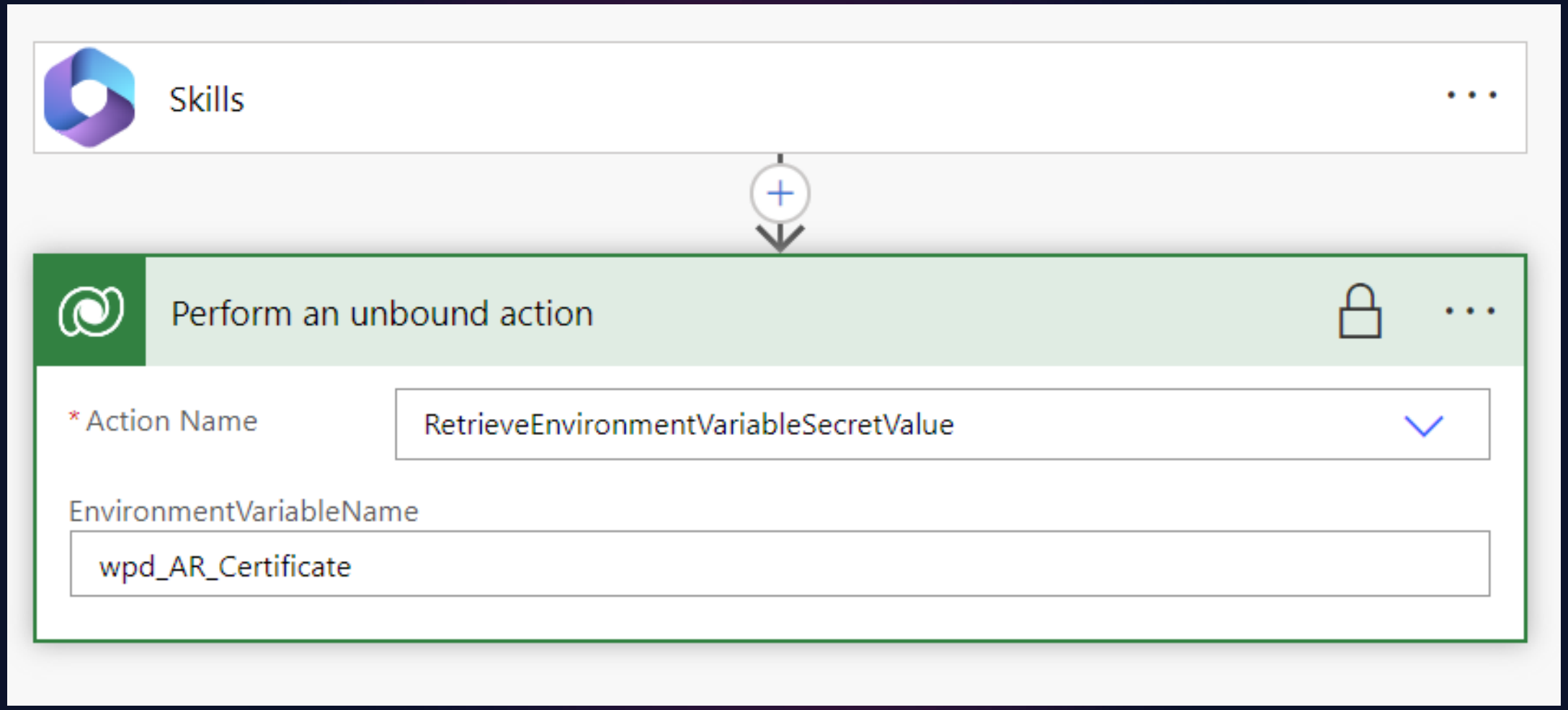
Flow name

Defender for Endpoint Recommendations

Choose how to trigger this flow *

- Manually trigger a flow
  Flow button for mobile
- PowerApps (V2)
  PowerApps
- Run a flow from Copilot
  Skills
- When Power Virtual Agents calls a fl...
  Power Virtual Agents
- When a flow step is run from a busin...
  Microsoft Dataverse
- For a selected message (V2)
  Microsoft Teams
- From the compose box (V2)

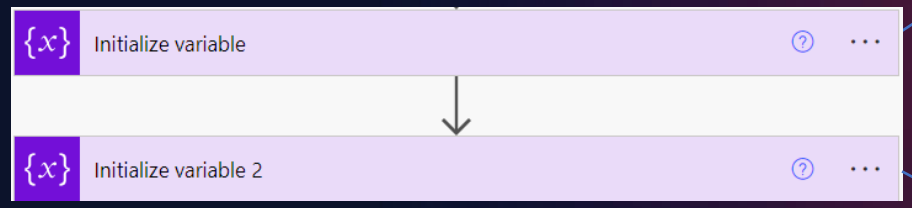
Skip | Create | Cancel

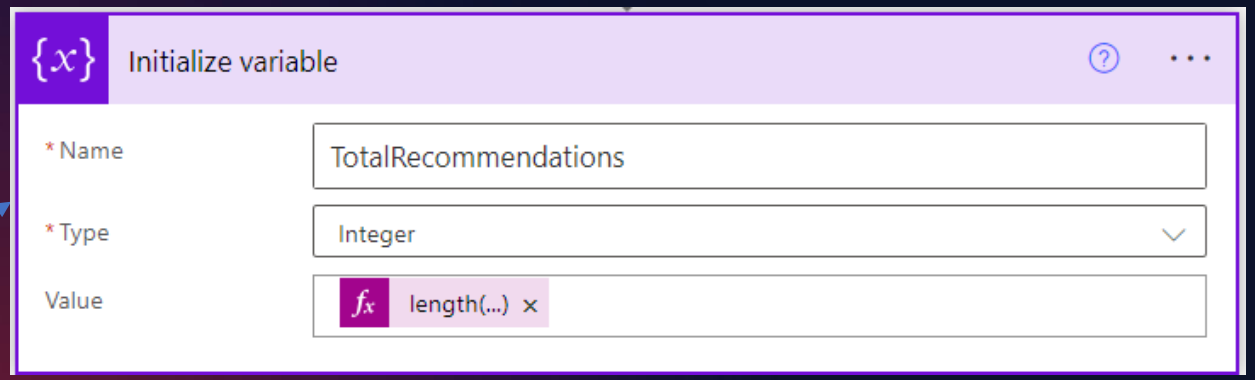

Skills
Perform an unbound action
* Action Name
RetrieveEnvironmentVariableSecretValue
EnvironmentVariableName
wpd_AR_Certificate

HTTP

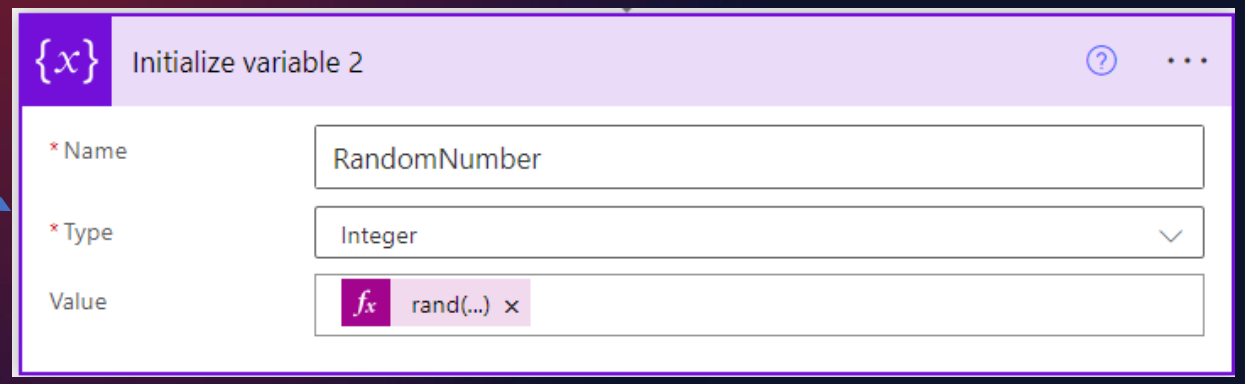
* Method	GET
* URI	https://api-eu.securitycenter.windows.com/api/recommendations
Headers	Enter key / Enter value
Queries	Enter key / Enter value
Body	Enter request content
Cookie	Enter HTTP cookie
* Authentication	Active Directory OAuth
Authority	Default: https://login.windows.net/
* Tenant	Tenant_ID (wp... ×
* Audience	Audience (wpd... ×
* Client ID	Client_ID (wpd... ×
* Credential Type	Certificate
* Pfx	RetrieveEnviro... ×
* Password	null ×

Hide advanced options






```
length(body('HTTP')?['value'])
```

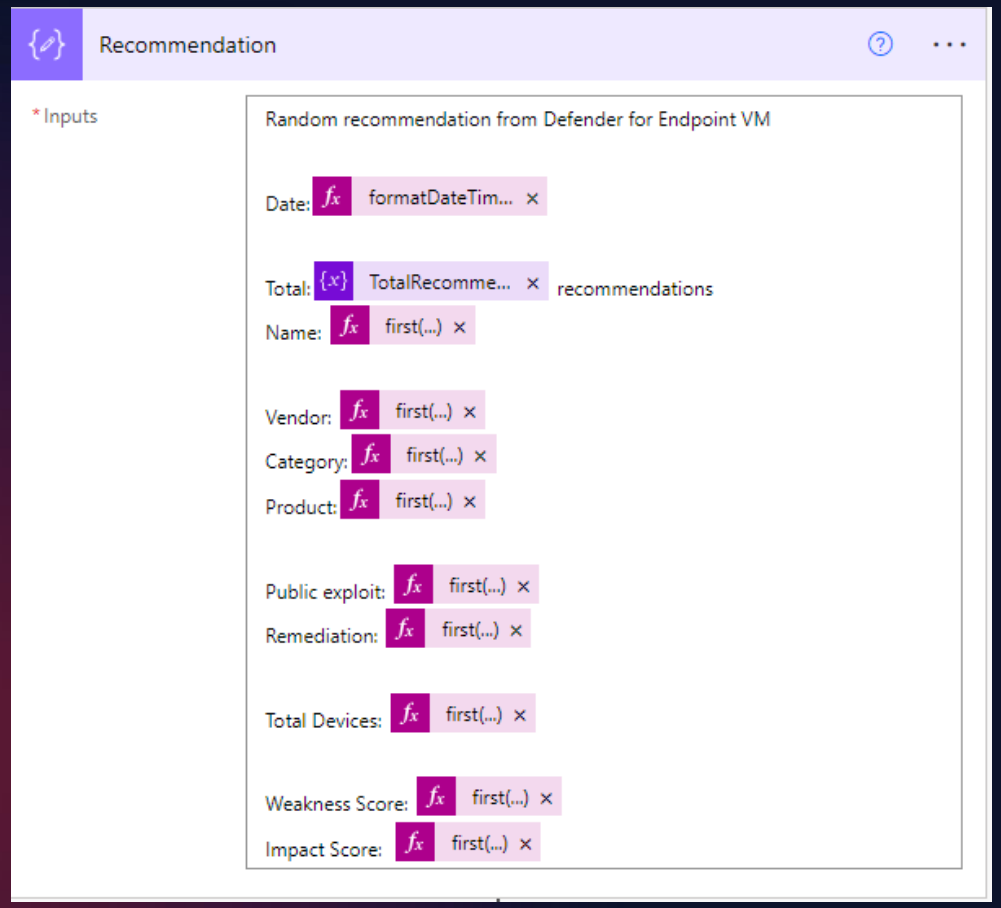



```
rand(1,variables('TotalRecommendations'))
```

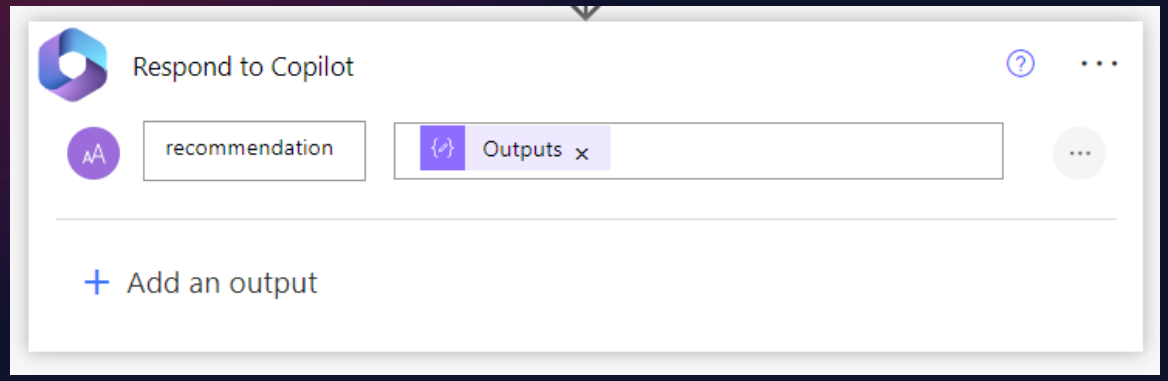
HTTP 2

* Method	GET
* URI	https://api-eu.securitycenter.windows.com/api/recommendations?$skip= {x} RandomNumber × &$top=1
Headers	Enter key / Enter value
Queries	Enter key / Enter value
Body	Enter request content
Cookie	Enter HTTP cookie
* Authentication	Active Directory OAuth
Authority	Default: https://login.windows.net/
* Tenant	[@] Tenant_ID (wp... ×
* Audience	[@] Audience (wpd... ×
* Client ID	[@] Client_ID (wpd... ×
* Credential Type	Certificate
* Pfx	RetrieveEnviro... ×
* Password	fx null ×

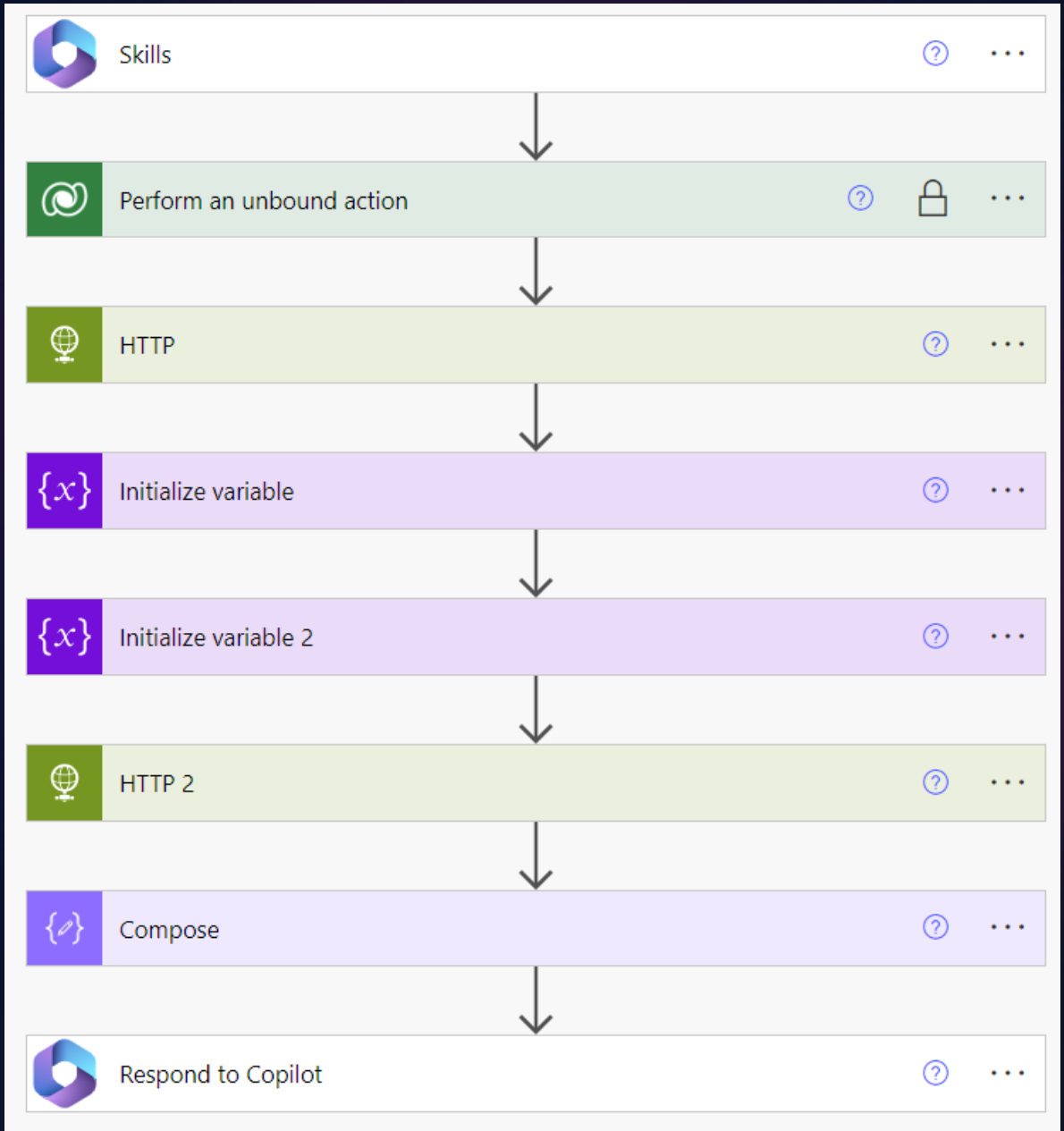
Hide advanced options



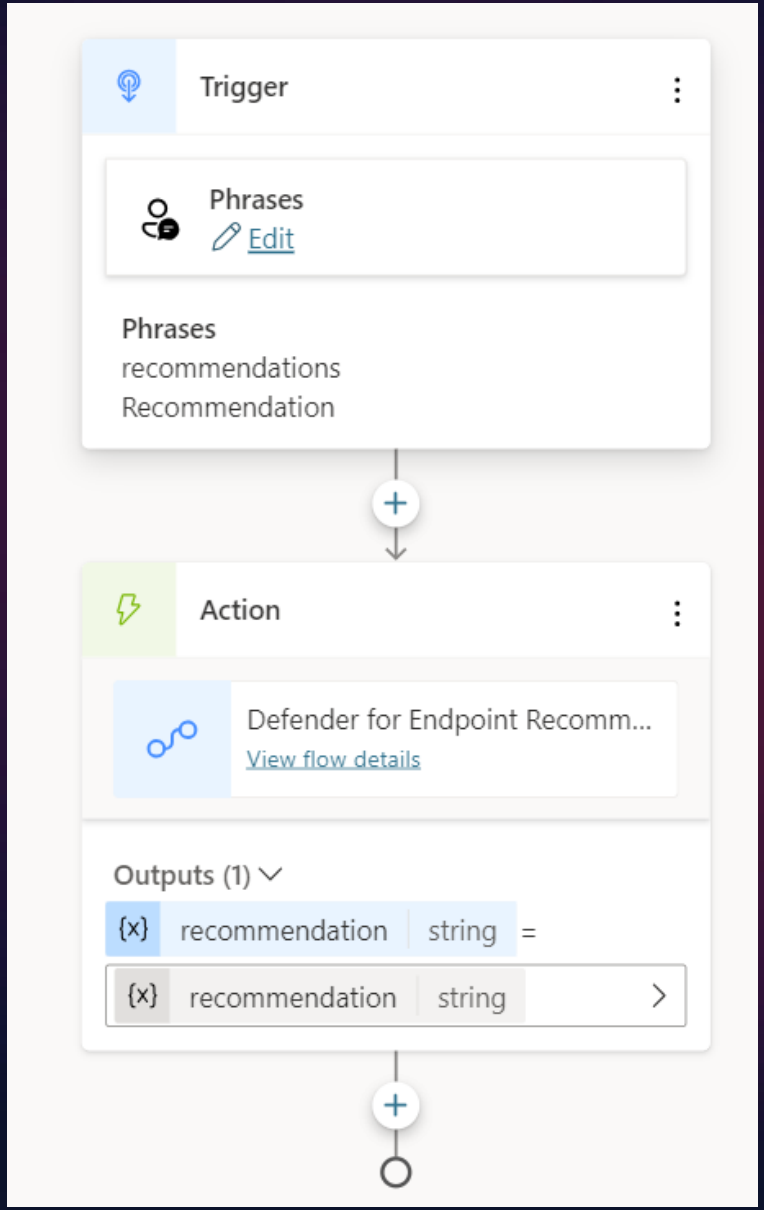

```
first(body('HTTP_2')?['value'])?['recommendationName']
```



Final Power Automate flow



Create an topic with an action



Recommendation

7 minutes ago

Random recommendation from Defender for Endpoint VM

Total:51 recommendations

Name: Disable Solicited Remote Assistance

Vendor: microsoft

Category:OS

Product:windows_11

Public exploit: False

Remediation: ConfigurationChange

Total Devices: 2

Weakness Score: 1

Impact Score: 2.66666666666667

6 minutes ago

Type your message

Part 4 – Examples

Build your own Gen AI Copilot

Extend Copilot

Low code development

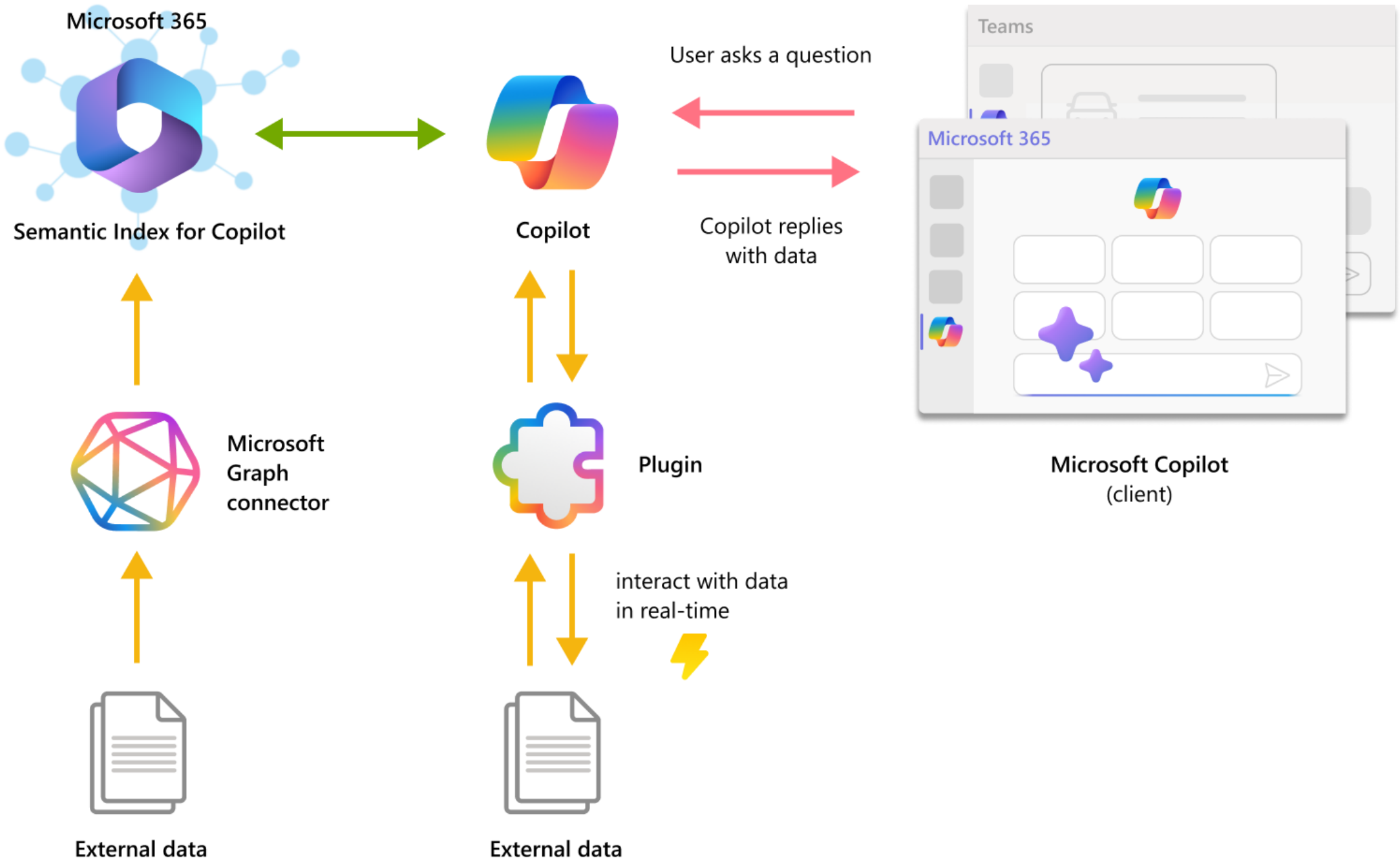
And/or

Plugins, message extentions or connectors

Build your own Copilot

Azure AI services through **Azure AI studio**

Pre-built Azure AI services through **Microsoft Copilot Studio**


Microsoft 365
Semantic Index for Copilot
Copilot
User asks a question
Copilot replies
with data
Teams
Microsoft 365
Microsoft Copilot
(client)
Microsoft
Graph
connector
Plugin
interact with data
in real-time
External data
External data

Part 4

Conversational plugins > Untitled

Comments | Topic checker | Test copilot | Save

Variables | Details | How to use

Trigger

Microsoft Copilot (preview)

Describe what the topic does

checks vacation time against AFAS so users c

Paste

Send a message

Add a condition

Variable management

Topic management

Call an action

Advanced

How to use

Conversational plugins

You can extend Microsoft 365 Copilot with your own enterprise data, knowledge, actions and custom conversations using a

Select an action

Basic actions | Connector (preview)

Search

Create a flow
Launches Microsoft Flow

Skill or Skill action
Go to Skills to add a skill to your bot

E2E Stop VM
Updated 3 months ago
Roep deze stroom op vanuit Power Virtual Agents.

Power Virtual Agents Jira
Updated 8 months ago
Call this flow from Power Virtual Agents.

Create Jira Ticket chatbot
Updated 9 months ago
Roep deze stroom op vanuit Power Virtual Agents.

PVA - Dude - Create JIRA Issue
Updated 9 months ago
Call this flow from Power Virtual Agents.

Power Virtual Agents Flow Template
Updated 9 months ago
Call this flow from Power Virtual Agents.

Power Virtual Agents Flow Template
Updated 9 months ago

LEGO bots assemble!

Probeer de nieuwe Teams

Zoeken

Gerjon

Activiteit

Chat

Teams

Agenda

Oproepen

Bestanden

Chad the c...

Beheer

Copilot Leg...

Apps

Help

Copilot Lego NL Chat Info

Copilot Lego NL 22:54

Ik ben Copilot Lego NL, een virtuele assistent. Ik wil u erop attent maken dat ik soms gebruikmaak van AI om uw vragen te beantwoorden. Hoe kan ik helpen?

Typ een bericht

Copilot Studio

Environment
Gerjon (default)

Try out increased conversational coverage with real-time responses using Azure OpenAI services. Learn more about Azure OpenAI

- Home
- Copilots
- Plugins (preview)
- Prompts (preview)
- Models (preview)
- Power Platform

New copilot | Import copilot

Copilots

Search copilots

	Name	Type	Modified by	Last published	Owner
	Helpdesk copilot	Copilot	# PowerVirtualAgentsProd a few seconds ago	Never	Gerjon Kunst
	Lego Bot	Copilot	Gerjon Kunst a few seconds ago	Never	Gerjon Kunst
	Copilot OpenAI	Copilot	# PowerVirtualAgentsProd a few seconds ago	Never	Gerjon Kunst
	Dude (classic)	Chatbot (classic)	Gerjon Kunst a few seconds ago	a few seconds ago	Gerjon Kunst
	New Chad the chatbot	Copilot	# PowerVirtualAgentsProd 2 months ago	Never	Gerjon Kunst
	Chad the chatbot (classic)	Chatbot (classic)	Gerjon Kunst 2 months ago	3 months ago	Gerjon Kunst
	Copilot - Engels	Copilot	# PowerVirtualAgentsProd 2 months ago	Never	Gerjon Kunst
	Copilot - Gerjon	Copilot	# PowerVirtualAgentsProd 2 months ago	Never	Gerjon Kunst
	ChatGPT	Copilot	Gerjon Kunst 10 months ago	Never	Gerjon Kunst

Copilot Studio | Lego Bot

Copilot Studio | Lego Bot

Environment
Gerjon (default)

Save

Copilot Studio | Helpdesk copilot

- Copilots
- Overview
- Generative AI
- Topics & Plugins
- Entities
- Analytics
- Publish
- Extend Microsoft Copilot (preview)
- Settings
  - Copilot details
  - AI integration tools
  - Channels
  - Customer engagement hub
  - Security
  - Skills
  - Language understanding
  - Languages

Test copilot

Tracking: off

Chat

Hello, I'm Helpdesk copilot, a virtual assistant. Just so you are aware, I sometimes use AI to answer your questions. If you provided a website during creation, try asking me about it! Next try giving me some more knowledge by setting up generative AI.

3 minutes ago

Type your message

Security

Set up additional security measures for the copilot and your users.

Sharing
Invite people to collaborate on your copilot.

Authentication
Verify a user's identity during a chat.

Web channel security
Review other enhanced security options.

Authentication

Verify a user's identity during a conversation. The bot receives secure access to the user's data and is able to take actions on their behalf, resulting in a more personalized experience. Learn more

Choose an option

- ○ No authentication
  Basic bot setup with no authentication action or authentication variables.
- ○ Only for Teams and Power Apps
  User ID and User Display Name authentication variables available. Automatically sets up Azure Active Directory (AAD) authentication for Teams and Power Apps. All other channels will be disabled. Learn more
- ◉ Manual (for custom website)
  Support AAD or any OAuth2 identity provider. Authentication variables are available including authentication token.

  Enter the information provided by your Identity Provider (IdP), and then test the connection. For single sign-on with AAD include the token exchange URL. Learn more

☑ Require users to sign in

Redirect URL

https://europe.token.botframework.com/.auth/web/redirect

Copy

Service provider *

Azure Active Directory v2

Client ID *

Client secret *

Token exchange URL (required for SSO) Learn more about SSO

Tenant ID

c5add273-3f70-4128-92ac-afdbde777a52

Scopes

profile openid

Part 4 – Examples

Helpdesk bot

Part 4 – Examples

Create a copilot

Set up the copilot

Start fresh with a new copilot, and start making it yours.

Copilot name *

Helpdesk copilot

What language do you want your copilot to speak? *

English (en-US)

Give your copilot some knowledge by setting up your Generative AI

Add knowledge to your copilot by pointing it to an external website so your copilot can instantly answer questions over your data. Learn more

https://learn.microsoft.com/en-us/docs/

AI-generated content can have mistakes, so don't forget to make sure it's accurate and appropriate. Review the supplemental terms to learn more.

Probeer de nieuwe Teams

Zoeken

Gerjon

Activiteit
Chat
Teams
Agenda
Oproepen
Bestanden
Chad the c...
Beheer
Helpdesk c...
...
Apps
Help

Helpdesk copilot Chat Info

Helpdesk copilot 17:23

Hello, I'm Helpdesk copilot, a virtual assistant. Just so you are aware, I sometimes use AI to answer your questions. If you provided a website during creation, try asking me about it! Next try giving me some more knowledge by setting up generative AI.

Typ een bericht

Probeer de nieuwe Teams

Zoeken

Gerjon

Activiteit
Chat
Teams
Agenda
Oproepen
Bestanden
Chad the c...
Beheer
Helpdesk c...
...
Apps
Help

Helpdesk copilot Chat Info

17:28

how can i change my password

Laatst gelezen

Helpdesk copilot 17:28

To change your password, you can follow these steps:

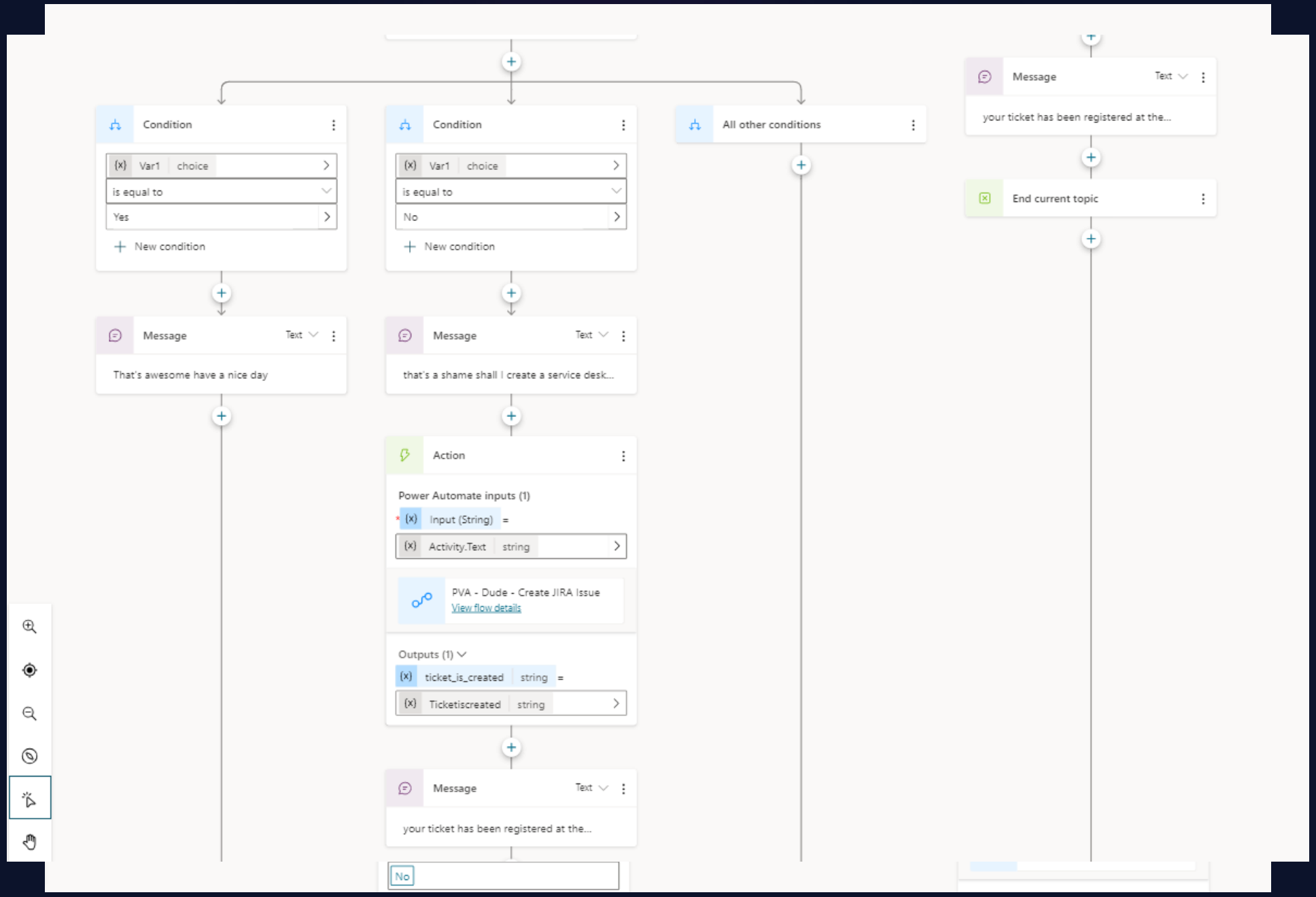
1. Log in to your account.
2. Go to the account settings or profile settings section.
3. Look for the option to change your password.
4. Click on the password change option.
5. Enter your current password.
6. Enter your new password.
7. Confirm your new password.
8. Save the changes.

Please note that the exact steps may vary depending on the platform or website you are using. It's always a good idea to refer to the specific instructions provided by the platform or website for changing your password. 1

Whas this answer satisfactory?

Yes No

Part 4


Condition
Var1 choice
is equal to
Yes
New condition
Message
Text
That's awesome have a nice day
Condition
Var1 choice
is equal to
No
New condition
Message
Text
that's a shame shall I create a service desk...
Action
Power Automate inputs (1)
Input (String) =
Activity.Text string
PVA - Dude - Create JIRA Issue
View flow details
Outputs (1)
ticket_is_created string =
Ticketiscreated string
Message
Text
your ticket has been registered at the...
No
All other conditions
Message
Text
your ticket has been registered at the...
End current topic

Part 4 – Examples

Jira | Jouw werk | Projecten | Filters | Dashboards | Teams | Plannen | Assets | Apps | Aanmaken | Zoeken | GK

ITSM-project
Serviceproject

- Wachtrijen
- Service-aanvragen
- Incidenten
- Problemen
- Veranderingen
- Beoordelingen na inci...

OPERATIES

- Wijzigingskalender
- Diensten

Je komt in aanmerking voor een gratis proefperiode van 14 dagen op ons Jira Service Management Standard-abonnement. Ga nu aan de slag!

Projecten / ITSM-project / Alle tickets

All open tickets

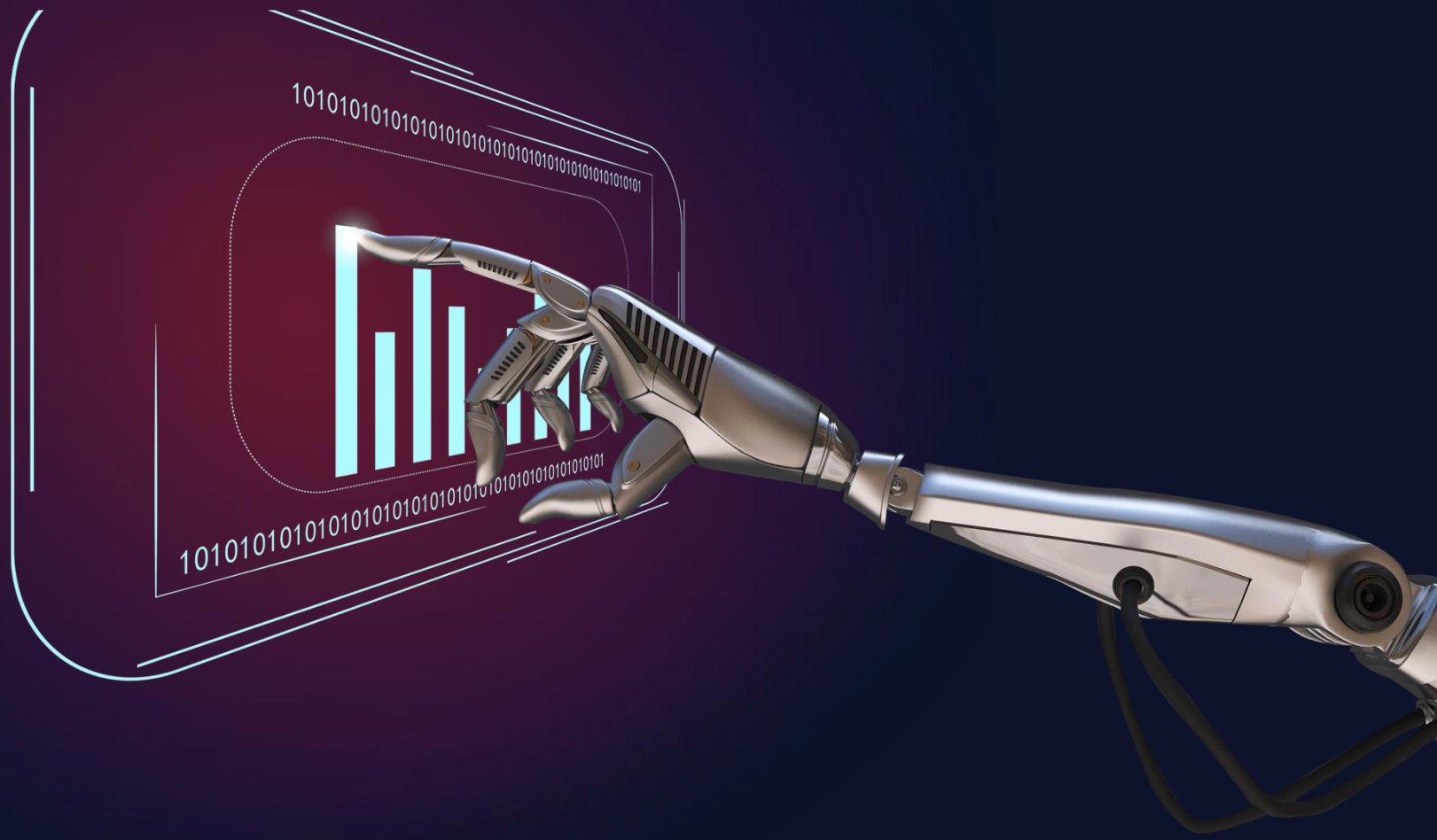
Issues zoeken

70 issues

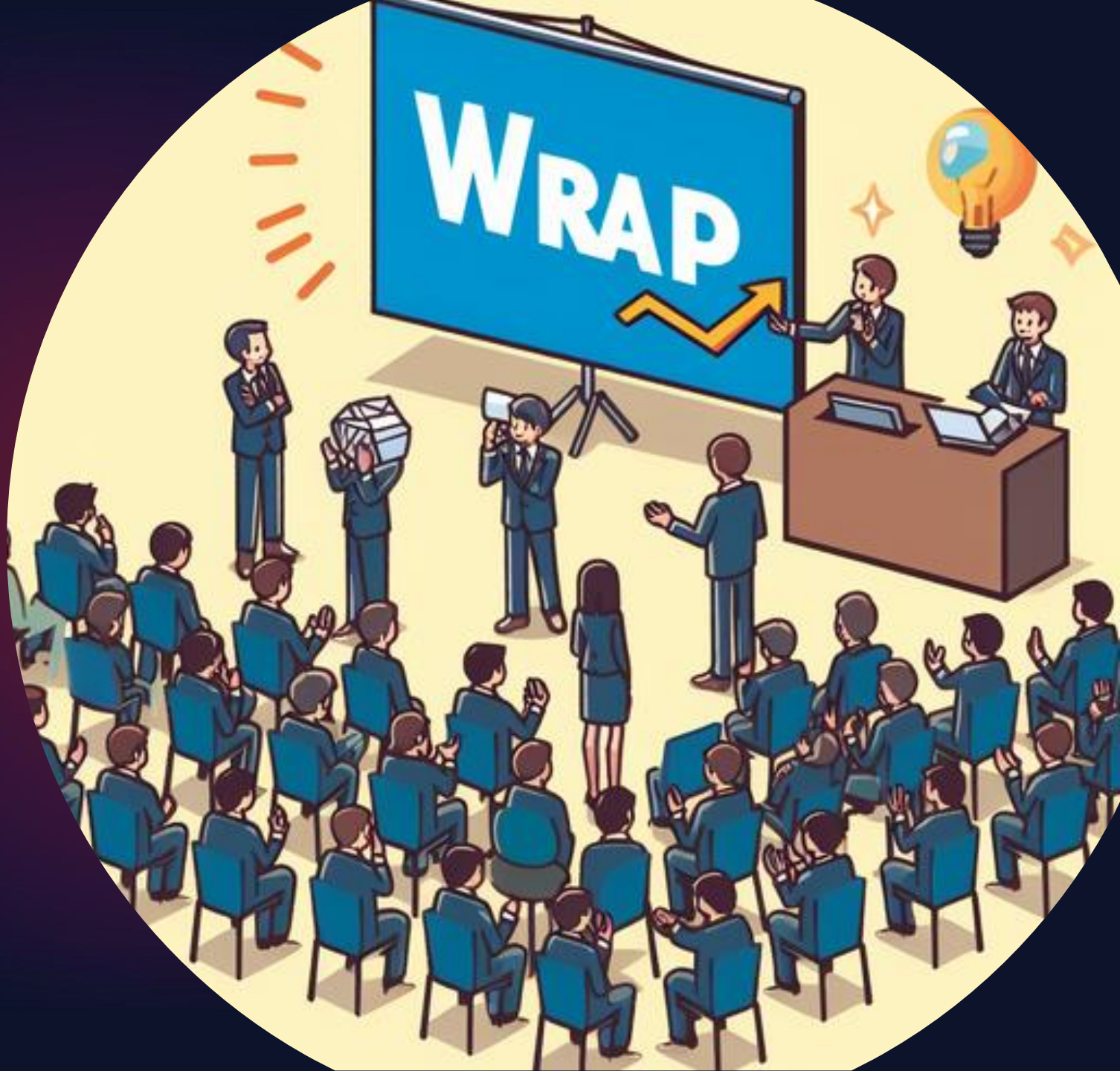
Request Type	Code	Samenvatting	Melder	Uitvoerder	Status	Aangemaakt	Time to resolution
	IP-78	No	Gerjon Kunst	Niet toegewezen	OPEN	27/jan/24	
	IP-77	how can i logout?	Gerjon Kunst	Niet toegewezen	OPEN	27/jan/24	
	IP-76	clear conversation	Gerjon Kunst	Niet toegewezen	OPEN	27/jan/24	
	IP-75	all my characters are in bold	Gerjon Kunst	Niet toegewezen	OPEN	27/jan/24	
	IP-74	how can i logout	Gerjon Kunst	Niet toegewezen	OPEN	27/jan/24	

PART 05

Wrap UP



Part 5 – Wrap up



Part 5 – Wrap up

AI shared responsibility model

		IaaS (BYO model)	PaaS (Azure AI)	SaaS (Copilot)
AI usage	User training and accountability	Customer	Customer	Customer
	Usage policy, admin controls	Customer	Customer	Customer
	Identity, device, and access management	Customer	Customer	Shared
	Data governance	Customer	Customer	Shared
AI application	AI plugins and data connections	Customer	Customer	Shared
	Application design and implementation	Customer	Customer	Microsoft
	Application infrastructure	Customer	Customer	Microsoft
	Application safety systems	Customer	Shared	Microsoft
AI platform	Model safety and security systems	Customer	Shared	Microsoft
	Model accountability	Customer	Model dependent	Microsoft
	Model tuning	Customer	Model dependent	Microsoft
	Model design and implementation	Customer	Model dependent	Microsoft
	Model training data governance	Customer	Model dependent	Microsoft
	AI compute infrastructure	Shared	Microsoft	Microsoft

Microsoft | Model dependent | Shared | Customer

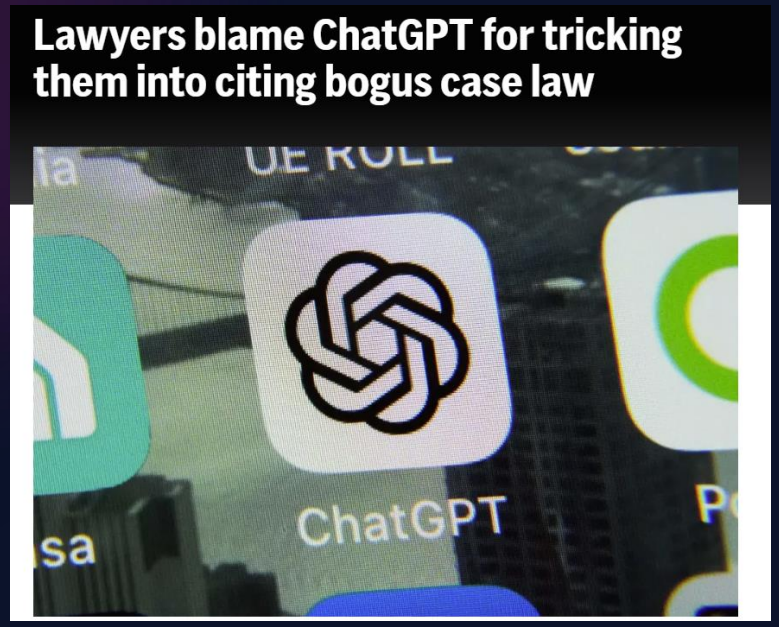
Microsoft

UP AND DOWNSIDES OF AI (debatable ☺)

Part 5 – Wrap up

1. Always available
2. Scalable
3. Improved accuracy
4. Faster development/creation
5. Enhanced safety
6. Endless posibilities
7. Automate the mundane
8. ….

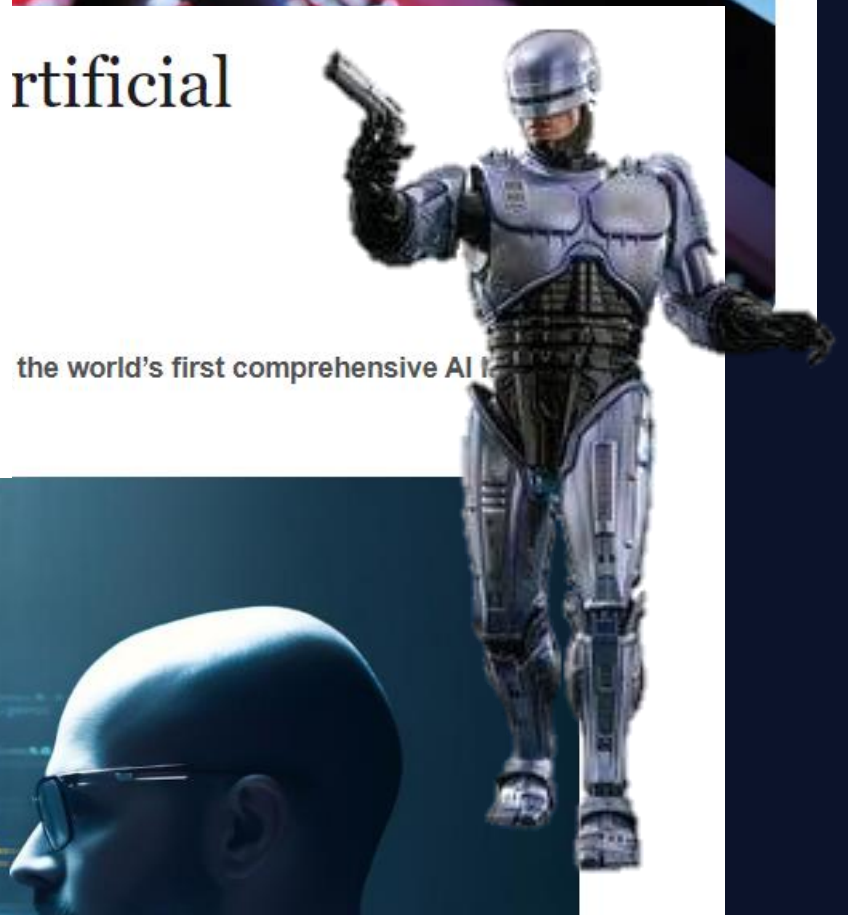
1. Lack of creativity
2. Lack of empathy
3. Skill/Job loss
4. Automated surveillance at scale
5. Increased lazyness
6. Can be expensive to run
7. It’s only as good as the information it is given
8. Misinformation
9. ..



Kabinet presenteert visie op generatieve AI

Nieuwsbericht | 18-01-2024 | 11:18

Het Nederlandse kabinet presenteert vandaag als een van de eerste EU-lidstaten een visie op generatieve AI. In de visie benadrukt het kabinet het belang van het ondernemen van actie met het oog op de mogelijkheden en uitdagingen van deze disruptieve en tegelijk kansrijke technologie.



De visie sluit aan op verschillende al lopende miljoeneninvesteringen vanuit onderzoeksinstellingen, bedrijfsleven en overheden om Nederland beter aan te sluiten op de razendsnelle ontwikkelingen op het gebied van kunstmatige intelligentie.

1 of 4 | President Joe Biden signs an executive on artificial intelligence in the East Room of the White House, Monday, Oct. 30, 2023, in Washington. Vice President Kamala Harris looks on at right. (AP Photo/Evan Vucci)

Read More

Uit ervaring

AI development is.. Not like normal development

50%*	20%	30%
Data governance Digital Transformation	Build AI product	Test & Teach

Uit ervaring

AI development is.. Not like normal development

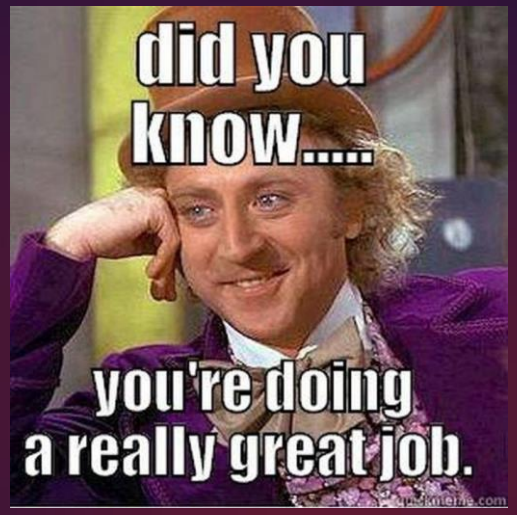
- Get your sh*t in order data/API
- Secure it all
- Get the business involved
- Create the business case
- Start small
- Start with one proces (e.g hepdesk tickets)
- EXPLAIN, TEACH and GROW

Uit ervaring

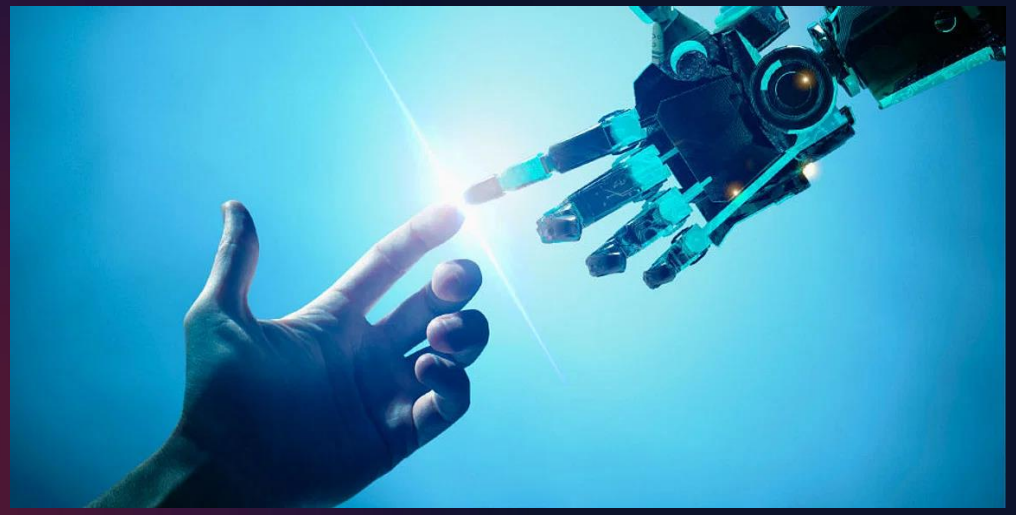
Part 5 – Wrap up

The age of AI is upon us

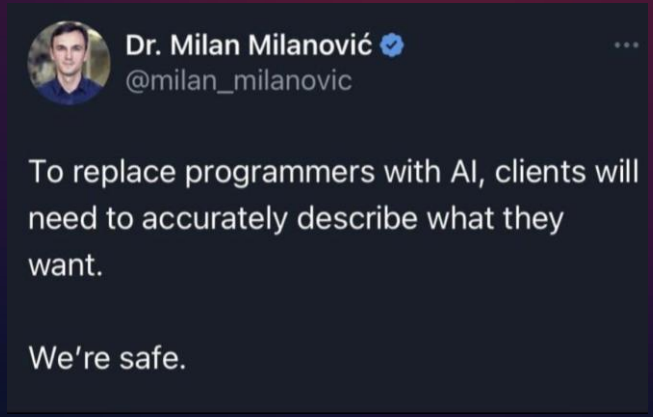
Can we keep our jobs?



Do I need to worry



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



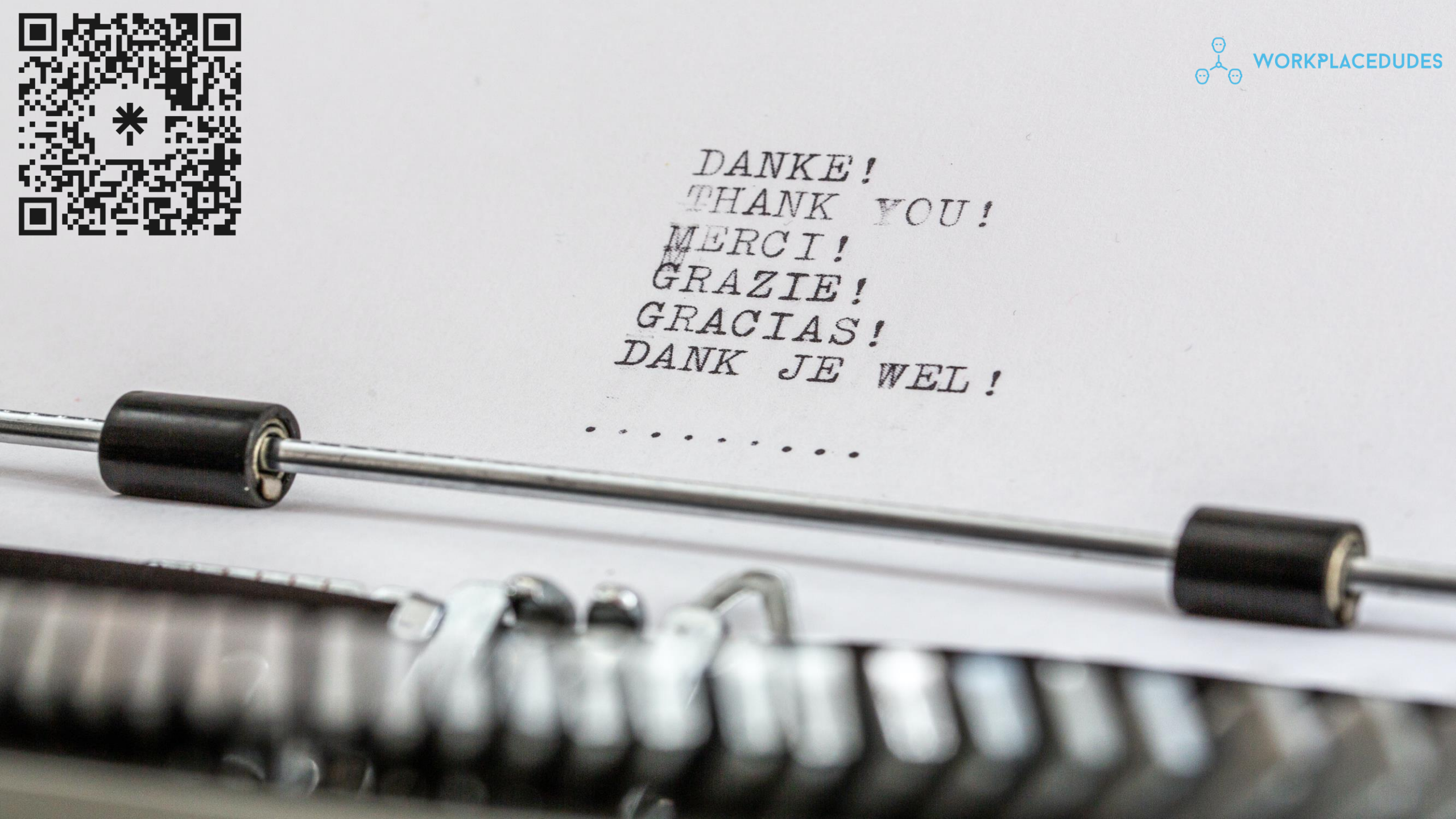
Session Recap

- Acknowledge change/Educate
- Inspire

NEW PODCAST

Impact of AI:Explored
@impactof_ai
www.impactof.ai

THATS ALL
NOKKS?


WORKPLACEDUDES
DANKE!
THANK YOU!
MERCI!
GRAZIE!
GRACIAS!
DANK JE WEL!