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September 14th - 28th

The Power Platform Global AI Hack

Build, innovate, and #HackTogether aka.ms/hacktogether/powerplatform-ai





Leveraging Azure OpenAl Service in the Power Platform

Robin Rosengrün & Daniel Laskewitz





Power Platform Al HackTogether '23

Live Sessions

Sept 18th

Intro to Power Platform Copilots

Sept 21st

Leveraging Azure Open Al Service in the Power Platform

Sept 28th

Wrap up and take action: Join our community for the next Big Thing!

Sept 14th

Kickoff: Ready, Set Hack: Do more with AI in the Power Platfom

Sept 20th

Get Started with Al Builder In Power Platform

Sept 25th

How to Submit your projects on GitHub

Welcome & Introduction

- Robin Rosengrün
 - Enabler @ EnBW
 - Speaks German, English and <SVG>
 - knows nothing about Al

- Daniel Laskewitz
 - Senior Cloud Advocate @ Microsoft
 - Power Platform experience since 2016
 - In IT since 2013



Agenda

- Welcome & Introduction
- What is OpenAl?
- Power Platform Connectors
- What is the Azure OpenAl Service?
- What to use when?
- What's next?
- Q & A



What is OpenAl?



DALL-E

Creating images from text

Codex

Understand and generate code

Whisper

Automatic speech recognition

ChatGPT

Conversational AI chatbot

GPT-3

Understand and generate natural language



Demo

ChatGPT vs Playground



Power Platform Connectors



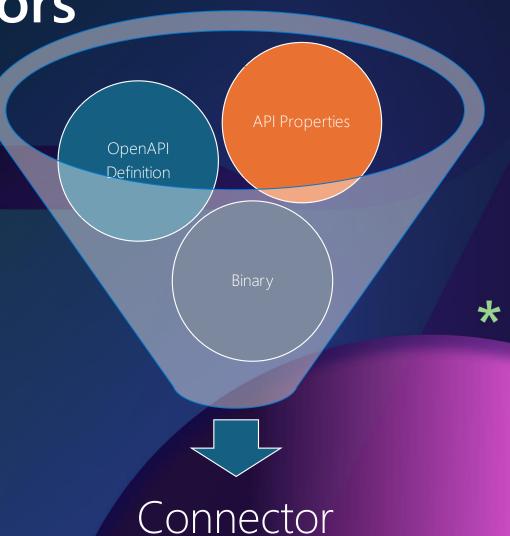
A formal definition of a **REST API**



Allows the **REST service** to talk to the Microsoft Power Platform and Logic Apps



Currently **1000+** connectors in the product



Power Platform Connectors



Add services that are not currently supported



Expand connectors that currently don't have the trigger/action you want



Custom connectors are simple to build, don't require a lot of coding





Can be built using the wizard, a postman collection, or with your favourite IDE (for instance VS Code)



Can be shared, packaged and certified via GitHub

Power Platform Connectors

- Robin made the OpenAl Connector last year
- Robin, Daniel & Andrew Coates built the Azure OpenAl Service connector together



Demo

OpenAl in Power Apps

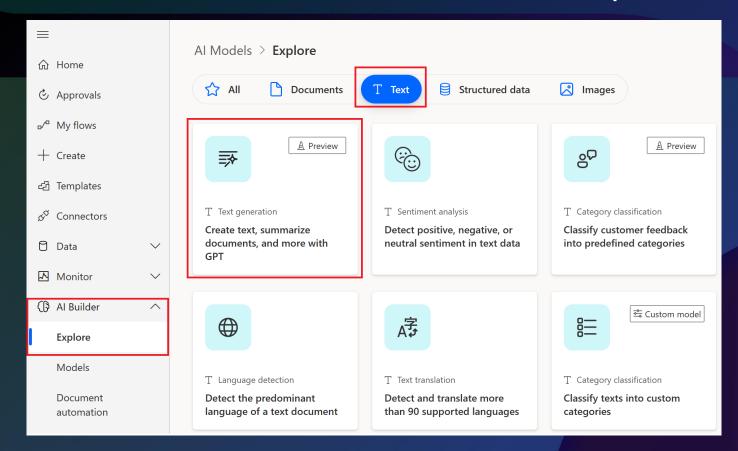


What is the Azure OpenAl Service?

- Microsofts' implementation of OpenAl models
- Enterprise grade security and governance
- GDPR (EU)
- Use it just like every other Azure service.
- Backs all Microsofts' Copilots
- Request access: https://aka.ms/pp/azure-openai-service

Azure OpenAl Service?

Al Builder has an action based on the Azure Open Al Service.





Power Apps Copilot



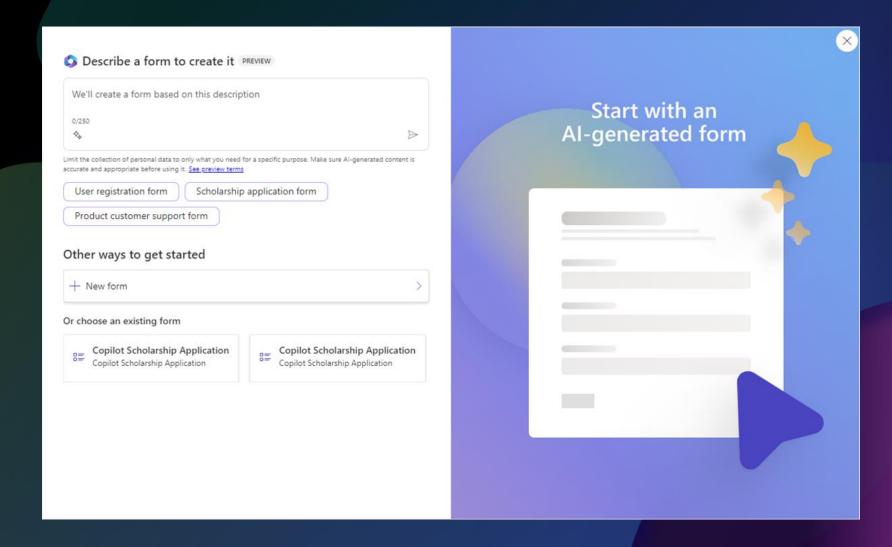
Let's build an app. What should it do?

Collect RSVPs Track sales leads List inventory Manage inspections

Use everyday words to describe what your app should collect, track, list, or manage ...

This AI-powered feature is in preview. See terms

Power Pages Copilot





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Demo

BedtAlme Stories©



Al Builder

Your use case matches one of the pre-defined AI Builder models or you can easily train a custom model.

If you need text "Create text with GPT" is the easiest and fastest way to get an Open AI model into your App



Open Al API

You need generated text, but want more control over which model you want to use and want to set all the parameters yourself (e.g. the system prompt).

Furthermore, you can use fine tuned models or endpoints for image generation or embeddings.



Azure Open Al services API

The results and possibilities will basically be the same as in the Open Al API.



- The data stays in the region of your choice (GDPR) on the Microsoft servers
- You most likely already have an existing Azure subscription



- Other AI related APIs through custom connectors
- There already are other interesting models outside of Microsoft and Open Al
- There will be new models interesting models outside of Microsoft and Open AI
- Your company will probably at some point deploy its own generative AI models you want to use inside your Power Platform solutions



What's next?

- Add the OpenAl or Azure OpenAl Service connector to your apps and flows
- Go to the Power Platform Prompt Library to get inspired! https://aka.ms/powerplatform-prompts
- Build awesome solutions with OpenAl powered tools





Power Platform Prompt Library

Discover GPT prompts that you can use in the Power Platform

Filter	Content Results
Filter Results	Customer Feedback Automation
Content Type	Power Platform
☐ Prompt	Build a workflow that gets customer feedback from [Start of Text] Microsoft Forms [End of Text] and adds the feedback to [Start of Text]SharePoint [End of Text]. Send an email follow up to the submitter. Include text in the body that thanks them for submitting feedback.
Cloud	DALLE-E Prompt Generator
Power Platform	Power Platform
Cloud Services	I want you to act as a prompt generator for Microsoft's DALL-E AI image generation service. Your job is to provide creative and detailed descriptions that will inspire interesting images from the AI. Keep in mind that the AI is capable of understanding a wide range of language and can interpret abstract concepts, so feel free to be as imaginative and descriptive as possible. For example, you could describe a scene from a
Azure Open Al	futuristic city, or a surreal landscape filled with strange creatures. The more detailed and imaginative your description, the more interesting the resulting image will be. Here is your first prompt: A gothic style portra of a black cat in 1880's London.
☐ Dall-e	
☐ Power Automate Copilot	Dummy Text Generator
	Power Platform
	Act as a lorem ipsum text generator. I will provide you with the amount of text I want generated and you will reply with the lorem ipsum text. My first prompt is provide me sample text with two headings with two paragraphs each
	Email Generator
	Power Platform
	I want you to act as an assistant. I will provide you with a short text, and you will generate an email from it. The email should be formatted using HTML and prettified. [Start Text] The company is closed due to bad weather. [End Text]
	Event Registration Automation
	Power Platform
	Create an automated event registration system. Allow users to register for events, send confirmations with event details, and follow up with attendees post-event

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Resources

- https://aka.ms/powerplatform-prompts
- https://aka.ms/pp/design-toolkit
- https://aka.ms/pp/azure-openai-service
- https://aka.ms/pp/hacktogether/openai-slides































