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September 14th - 28th



The Power Platform Global AI Hack

Build, innovate, and #HackTogether

aka.ms/hacktogether/powerplatform-ai

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Introduction to Power Platform Copilots

Microsoft Power Platform



**Power
BI**

Business
analytics



**Power
Apps**

Application
development



**Power
Automate**

Workflow
automation



**Power
Virtual Agents**

Intelligent
virtual agents



**Power
Pages**

Website
development

... and Low Code has a Copilot

AI as a real-time collaborator



that generates
content



that sparks
creativity



that automates
cognitive tasks



that creates user
experiences

Power Platform Copilot

since 2021

2021

Power Apps

Natural language to Power Fx formulas

Power BI

Natural language to DAX Quick Create

2022

Power Automate

Natural language to flow, format data by examples

Power Apps

Image & Figma to app

2023

Power Virtual Agents

Generative answers

AI Builder

Azure OpenAI model with templates

Power Virtual Agents

Natural language to bot (Copilot)

Power Apps

Natural language to app (Copilot)

PVA in Power Apps

AI analytics

Power Automate

Enhanced natural language to flow (Copilot)

Power Pages

Natural language to webpage (Copilot)

Power BI

Natural language to data insights (Copilot)

Power Virtual Agents

Generative actions

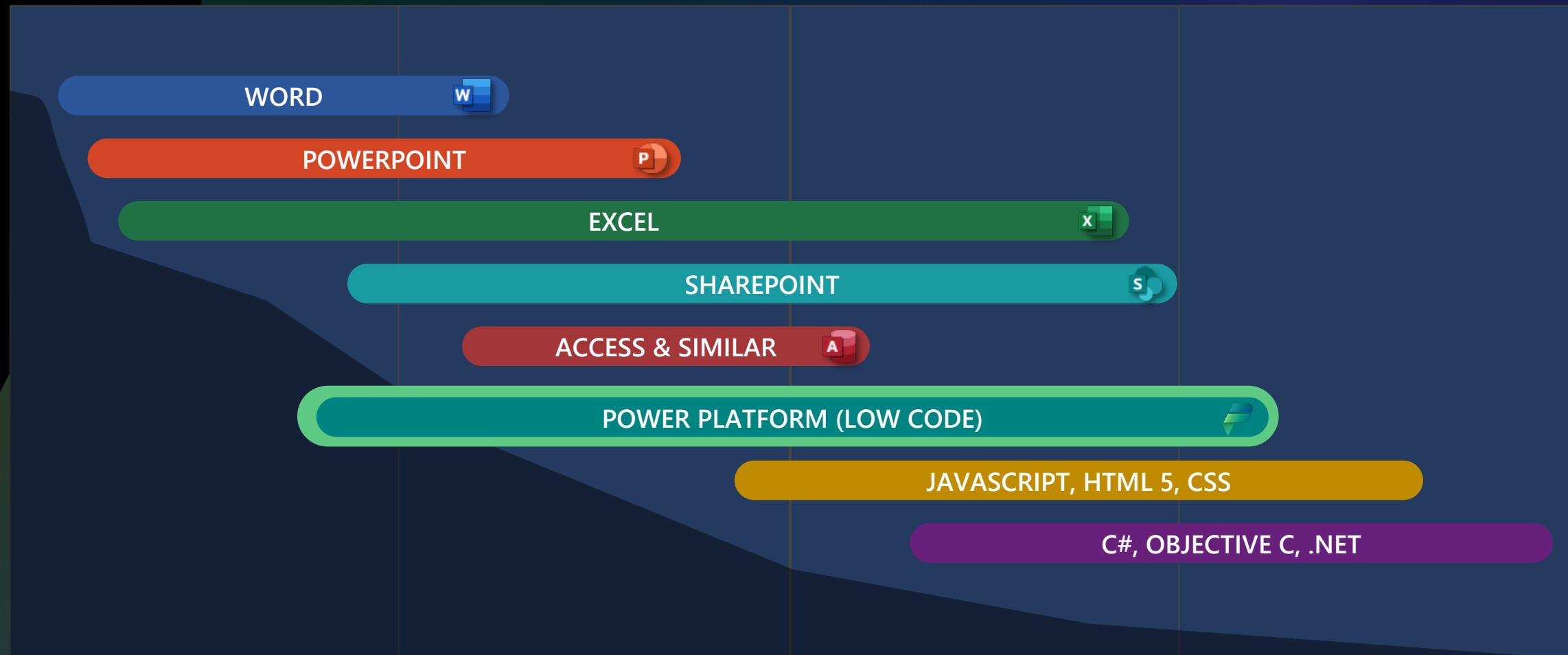
Power Apps

Excel Data import

Power Pages

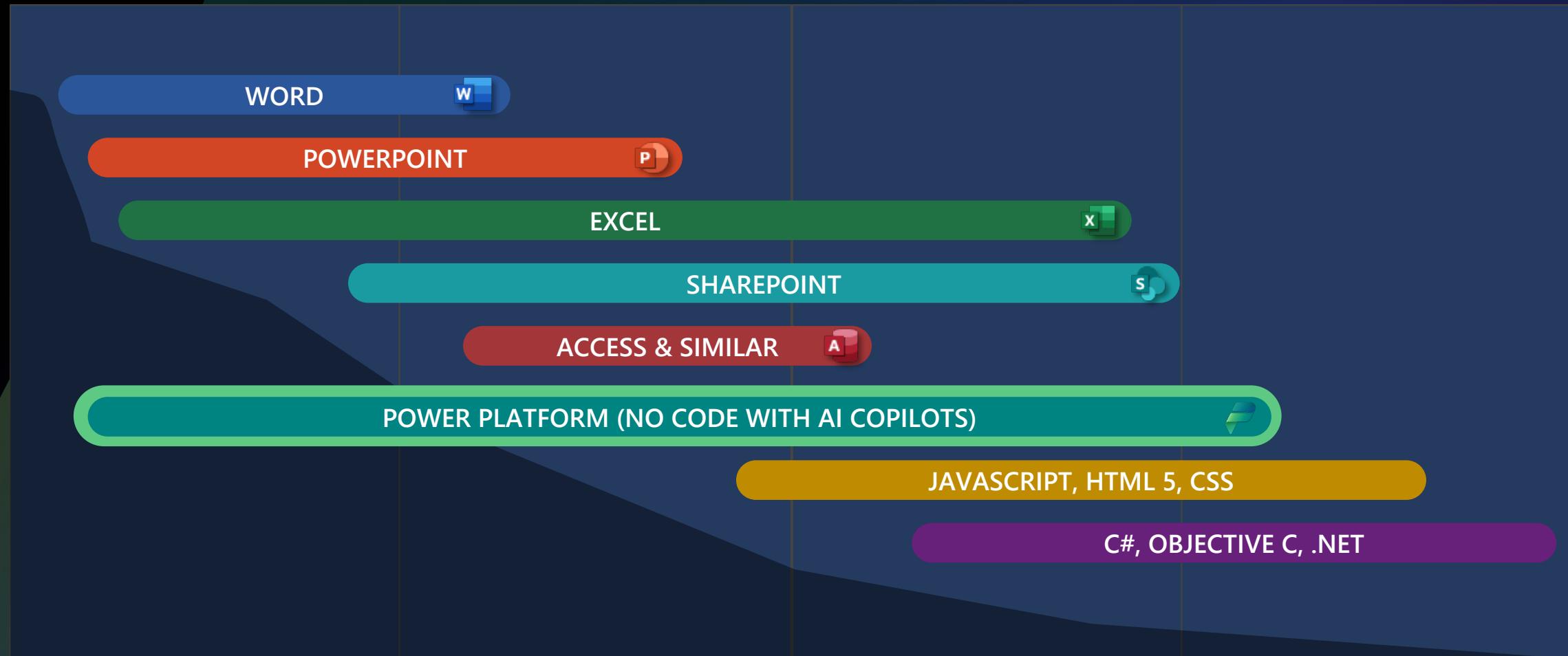
Copilot

Going from Low code to No code with AI Copilots



Technical skills

Going from Low code to No code with AI Copilots



Technical skills

Power Platform Copilots



Assist

Help makers and workers identify app procedures, corporate policies and business processes



Analyze

Ask questions about app data, generate insights



Act

Instruct copilot to perform tasks with human in the loop validation and author app content

Power Platform Copilots



Automate

- **Assist:** Answer questions based on flow and from docs
- **Analyze:** Describe actions and flows
- **Act:** Create and iteratively edit a flow using NL



Apps

- **Assist:** Answer questions based on documentation
- **Analyze:** Generate app descriptions
- **Act:** Create tables and add/edit controls using NL



Virtual Agents

- **Act:** Build dialogs and iteratively edit using simple natural language descriptions



Pages

- **Act:** Create a web page, form, and generate web page text content using NL



Dataverse

- **Analyze:** Define table descriptions and add missing column headers
- **Act:** Copy an Excel table and "paste" in Dataverse

Makers

GPT actions in cloud flows and desktop flows that can

- **Assist** users by answers questions
- **Analyze** text
- **Act:** Users can prompt GPT models to summarize and generate text

Assist:

- PVA bots using Generative Answers can be added to apps
- Instantly answer questions from existing internal / external knowledge sources

- **Assist:** Rich, multi-turn chat over internal and/or external knowledge sources
- **Act:** Dynamically chain together tenant APIs to fulfil user requests

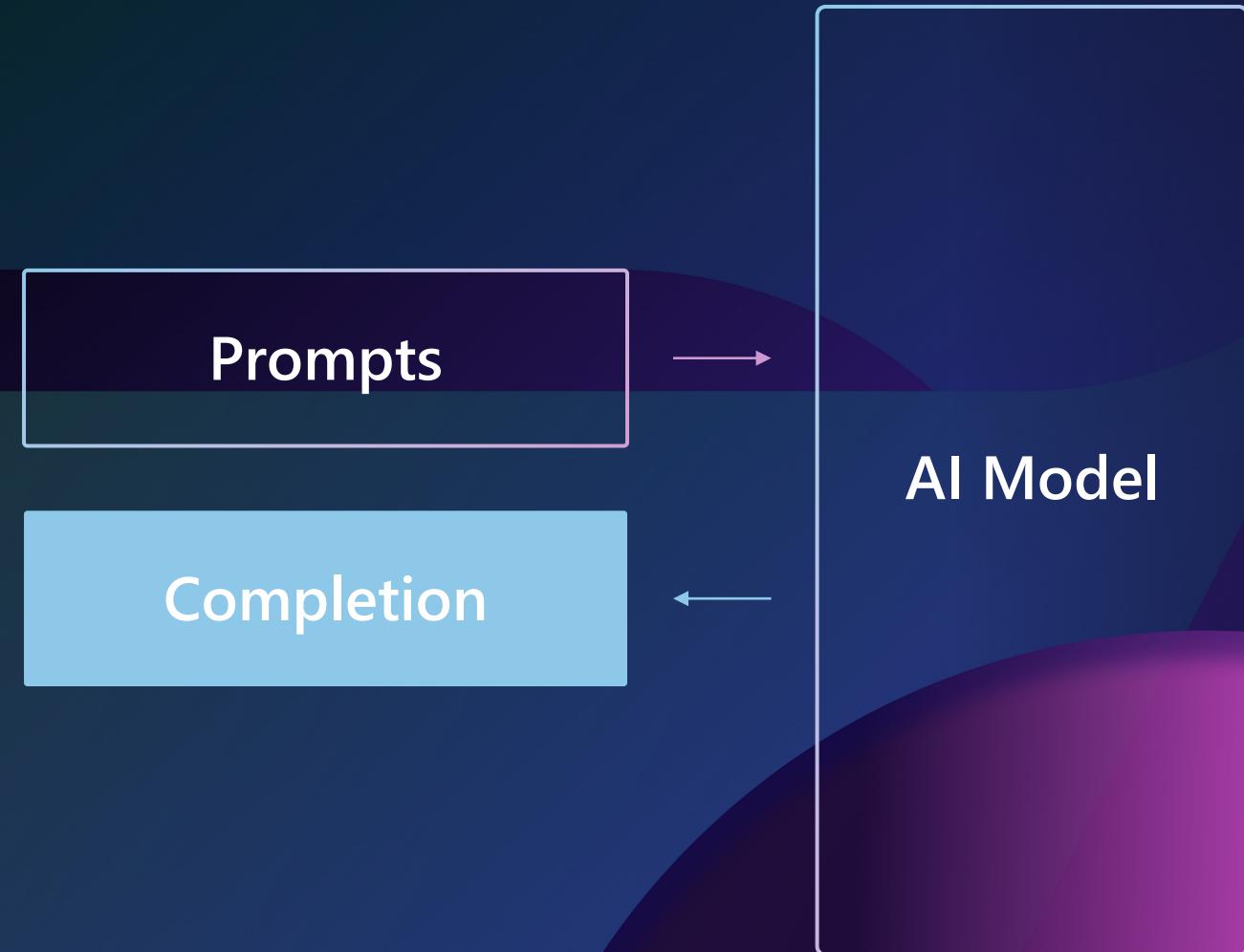
• **Assist:** PVA bots using Generative Answers can be added to sites

• **Assist:** Instantly answer questions from existing internal / external knowledge sources

End users

Basic prompt

Write a function that adds two numbers and returns the result

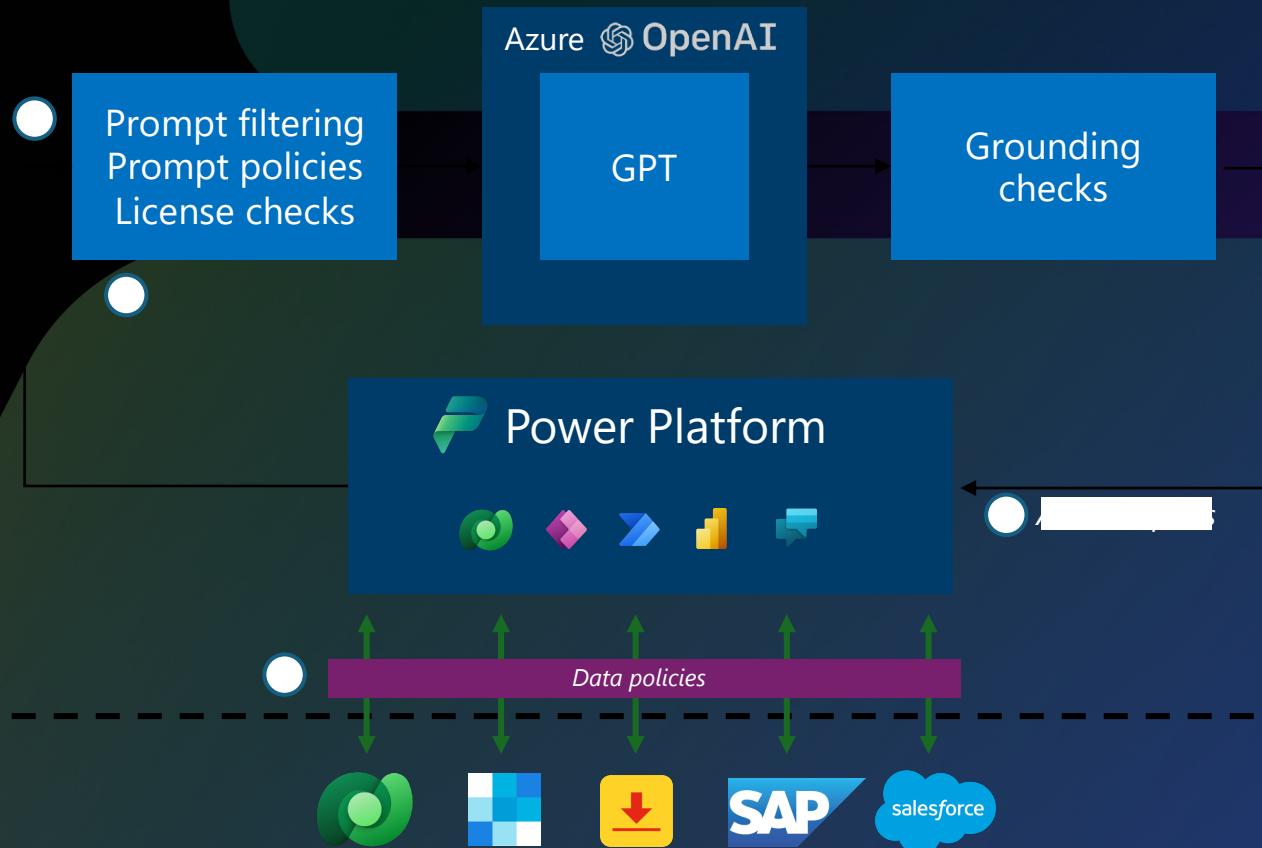


Data Privacy and Security for our Enterprise Online Services

- Copilot is delivered via Microsoft Cloud with Responsible AI as a core principle: customer data is not shared to OpenAI.
- Customer data is not used to train Large Language Models.

Enterprise-Grade Responsible AI

Microsoft Cloud



Guardrails for Copilot Access

- Existing access controls, DLP policies, and security govern data used by low-code

Guardrails for Copilot Content

- Policies to ground AI content to responsible use cases
- Filtering and malicious use detection

Cost Control

- Allocate and manage AI Builder credits

Monitoring

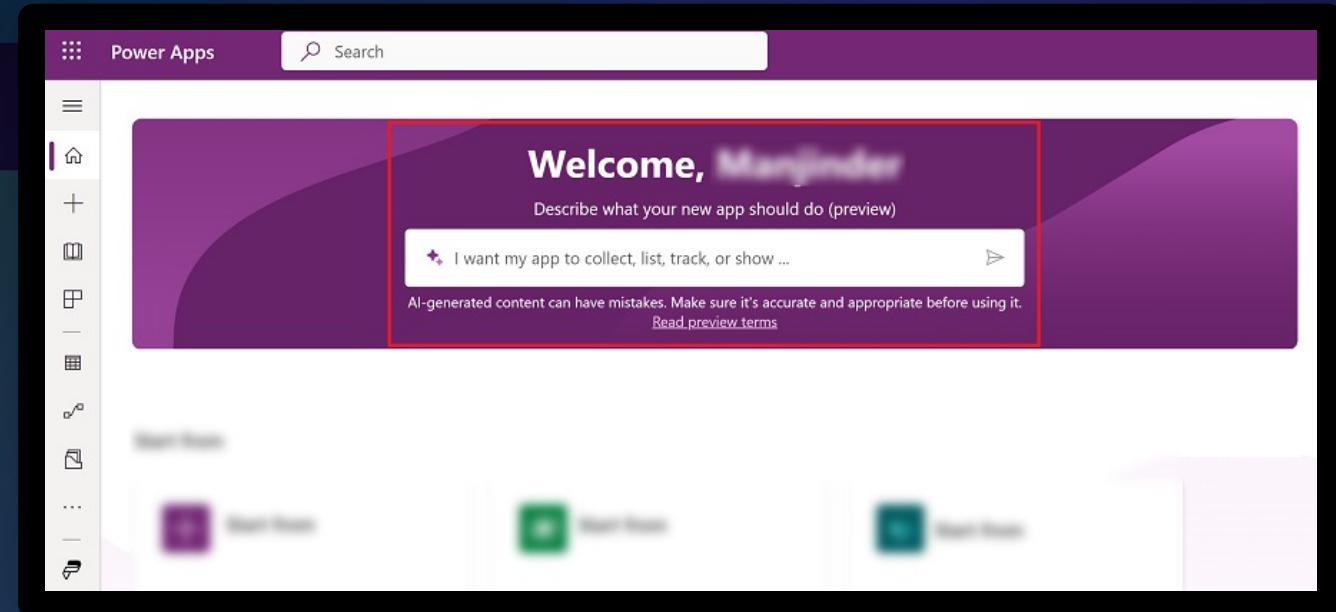
- Apps with AI models
- Makers who build with AI
- AI Builder credit consumption
- Data sources connected to AI-powered assets

Power Apps Co-Pilot (preview)

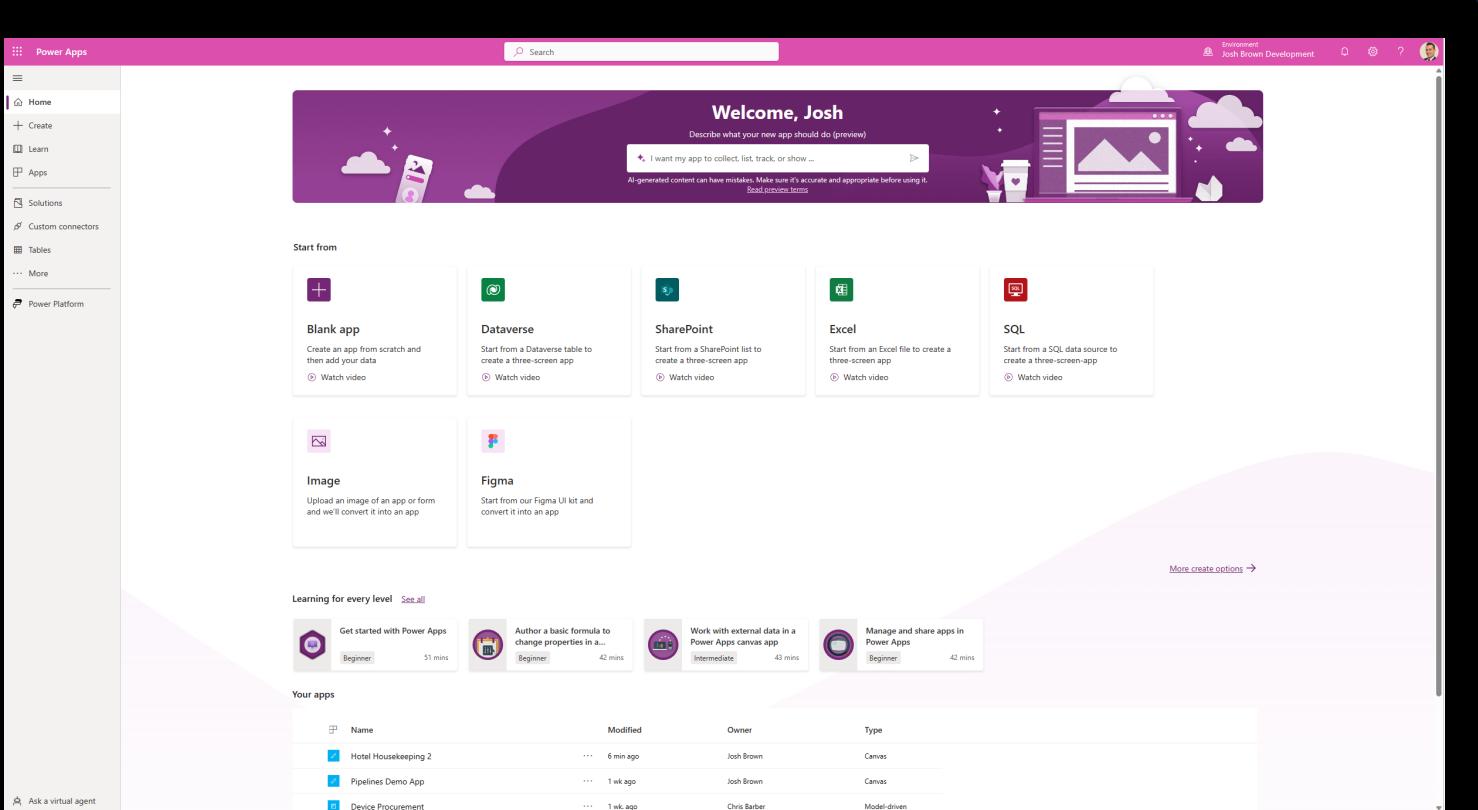
build apps and data schema
by describing what you need

What is the Copilot feature in Power Apps?

- A **new way to create apps** with the help of AI
- An in-app guidance using **natural language processing**
- An **AI assistant** that can design and improve your app



Characteristics of the Copilot tool:



- Copilot detects a need and offers a solution.
- **Copilot provides an action/answer. It does not provide links to a source document** that may contain an answer or action.
- It generates options, creates an ordered ranking, and returns options evaluated as the best match to the need.
- HITL always retains decision authority;
Copilot is an assistance tool, not an independent one.



Tips for Writing Prompts

- Use everyday words to describe what your app should collect, track, list, or manage
 - “Collect RSVPs for the team birthday party”
 - “Track sales leads”
- Customize the data table with prompts such as:
 - “Add a column for ...”
 - “Remove the ... row”
 - “Change the data type for the ... column to...”
- When in doubt, you can ask the AI assistant for help by typing, “Give me suggestions”



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Global AI Hack

Demo



Power Automate Co-Pilot

build automation with multi-turn and multi-step conversation, describing your process



Tips for Writing Prompts

- For better and more accurate results, provide prompts in When X happens, do Y format.
- Be as specific as possible. Instead of a generic prompt like, I want to process an email, try this prompt instead: When an email arrives, I want to post the subject of the email to ‘Contoso’ Teams General channel.
- If possible, mention the connector in your prompt. For example, include Outlook, Teams, Forms, or other.
- Try tweaking your prompt to further fine tune.



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Demo





Public preview

Power Virtual Agents

Generative answers

Instantly create your own ChatGPT-like bot from your data

Create a chatbot (preview) X

Name your bot* *

What language will your bot speak?* *

Creating a chatbot (preview) is currently only available in English

Boost your conversations with GPT (preview) ①

Let your bot create responses in real time with GPT and information from your website. [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 [preview terms](#) to learn more.





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Resources

- Power Automate Copilot:
<https://aka.ms/powerautomatecopilot>
- Power Apps Copilot:
<https://aka.ms/PowerAppsCopilot>
- PVA Copilot:
<https://aka.ms/PowerVirtualAgentsCopilot>
- Power Pages Copilot:
<https://aka.ms/PowerPagesCopilot>
- Prompt Library:
<https://aka.ms/PowerPlatformPrompts>

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Get started with AI Builder in the Power Platform

Integrate AI models into your solutions

September 20th | 9AM PST
[https://aka.ms/hacktogether/
powerplatform-ai/session3](https://aka.ms/hacktogether/powerplatform-ai/session3)



Ashish
Bhatia



Gomolemo
Mohapi

The Power Platform
Global AI Hack

Leveraging Azure OpenAI Service in the Power Platform

Extend your solutions with
Azure OpenAI

September 21st | 9AM PST
[https://aka.ms/hacktogether/
powerplatform-ai/session4](https://aka.ms/hacktogether/powerplatform-ai/session4)



Robin
Rosengrün



Daniel
Laskewitz

Resources

- Get Informed
 - <https://aka.ms/pp/hacktogether>
- Register
 - <https://aka.ms/pp/hacktogether/register>
- Learn
 - <https://aka.ms/pp/hacktogether/learn>
- Discuss
 - <https://aka.ms/pp/hacktogether/discuss>

Thank You!