



global AI bootcamp

11 March 2025



The hitchhiker's guide through the jungle of AI agents



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"I want AI to do my laundry and dishes so that I can do art and writing, not for AI to do my art and writing so that I can do my laundry and dishes."

Author and videogame enthusiast **Joanna Maciejewska** said
(although bathroom cleaning goes above and beyond)

David Schneider

- CTO of isolutions, Swiss Microsoft partner
- General Manager of isolutions Barcelona
- background as a SharePoint software developer 🧑💻
- passionate about technology and generative AI
- Ask me about: 📺 🧑🏠 🏒



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AI Agents

Decompose complex tasks into smaller, manageable steps

in addition to the user's input

*"In the context of copilot, Microsoft has a **broader** understanding of agents."*

Specialized agents designed for specific (small) tasks

to fully automate tasks on behalf of the user

Can communicate with **each other**

Act on behalf of a **company, department, or team** – not just a user

What is Microsoft 365 Copilot

- **Personal Assistant** for **Employees** daily work
- Integrates in the Office Apps like Word, Teams, Outlook, PowerPoint, Excel, Loop, OneNote...
- It's very user centric and has access to the information you have access to...
- Uses heavily the Office Graph to «know» about you
- Can be extended with other sources of information

What's in for me?

Plan a meeting: Find a timeslot, move around another meeting and book a meeting room.

Update Line of Business systems like CRM, ERP, etc. based on incoming emails.

Book a trip including hotel, flight, etc. directly from Outlook.

Analyzing and proposing a solutions for a ticket or request.

Store receipts that arrive by email automatically in the expense tool.

Incoming messages in Outlook and Teams are analyzed, including prioritization and suggested replies

Where is the difference?

User Interface

Instructions

Responsible AI

Knowledge

Actions

Automation

Orchestrator

Foundation Models

Two types of agents (in context of M365 Copilot)

Feature	Declarative Agents	Custom Engine Agents
Runtime	Microsoft 365 Copilot, seamlessly integrates into Microsoft 365 apps like Teams, Word, and PowerPoint.	Operates as standalone Teams chatbots or apps with cross-platform capabilities.
Context	Always in the context of the current user	Internal (Authentication with EntraID) or External (B2B or B2C) or Autonomous Agents
Costs & Licensing Requirements	Microsoft 365 Copilot or (in Microsoft 365 Chat) pay per use	Copilot Studio and/or Azure services (subscription and pay per use)

The 4 types of declarative agents

SharePoint
Agents

Agent
Builder

Copilot
Studio

Teams Toolkit
for VS Code



Microsoft 365
Copilot



peacock

Demo

Declarative Agents

Agent Builder



Work

Web

+ New chat



Copilot



Copilot Studio

My agents >

My Copilot Agent

Create

Open in full version



Describe

Configure

Feb 24, 2025, 1:02 PM

Hi, I'm here to help you build an agent.

You can start by describing what you want the agent to do.

Or, you can try one of the following templates.



Career Coach

Microsoft

Career Coach offers personalized career advice,...



Prompt Coach

Microsoft

Prompt Coach creates effective and AI compliant...



Writing Coach

Microsoft

Writing Coach boosts effectiveness and supports...

Type your message

0/2000



My Copilot Agent

Description

2/22

2/22

2/21

2/20

2/20

Home

Copilot

Pages

Create

OneDrive

Apps

Copilot | Microsoft 365 Copilot

https://m365.cloud.microsoft/chat/?auth=2

Work

Web

New chat

Copilot

Copilot Studio

My agents > My Copilot Agent

Draft auto-saved

Create

Open in full version

Describe

Configure

Template: None

Details

Name

My Copilot Agent

16/30

Description

An agent that generates high-quality images of various styles and toppings of pizza based on user requests.

107/1,000

Instructions

- Generate images of pizza based on user requests.

- Provide a variety of pizza styles and toppings.

- Ensure high-quality and visually appealing images.

- Respond to user queries about pizza images.

- Maintain a friendly and helpful tone.

239/8,000

My Copilot Agent

An agent that generates high-quality images of various styles and toppings of pizza based on user requests.

Generate Margherita Pizza

Can you generate an image of a Margherita pizza?

Generate Pepperoni Pizza

Please show me an image of a pepperoni pizza.

Generate Veggie Pizza

I would like to see an image of a veggie pizza.

Generate Custom Pizza

Can you create an image of a pizza with mushrooms, olives, and onions?

Generate Hawaiian Pizza

Show me an image of a Hawaiian pizza.

Generate Meat Lovers Pizza

Can you generate an image of a meat lovers pizza?

Type your message

0/2000

AI-generated content may be incorrect | Copilot Studio capabilities in M365 are processed by the Copilot Studio service. By using this experience, you agree to these [Terms](#) | [Privacy and cookies](#)

Copilot | Microsoft 365 Copilot

https://m365.cloud.microsoft/chat/?auth=2

Home

Copilot

Pages

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OneDrive

Apps

Settings

Work

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New chat

Copilot

Copilot Studio

My agents > My Copilot Agent

Draft auto-saved

Create

Open in full version

Close

Describe

Configure

Knowledge

Select folders and files, or add a website. You can add up to 20 knowledge sources. [Learn more](#)

Browse

or

Enter URL

Web

Web search ☐

From your organization

>

Azure DevOps Wiki

0/1 active

>

Azure DevOps Work Items

0/1 active

>

Confluence

0/1 active

[See more \(+1\)](#)

Actions (coming soon)

Empower your agents with actions for specific tasks and capabilities.

[Go to full Copilot Studio to create agents with actions](#)

New chat

My Copilot Agent

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0/2000

Send

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Demo

Copilot Studio

Declarative Agent based on a REST API

PizzApi 1.0 OAS 3.0
<http://localhost:5222/swagger/v1/swagger.json>

PizzaOrderItems

GET	/api/PizzaOrderItems	
POST	/api/PizzaOrderItems	
GET	/api/PizzaOrderItems/{id}	
PUT	/api/PizzaOrderItems/{id}	
DELETE	/api/PizzaOrderItems/{id}	

Please order a large pizza margherita for David, no extras

I added a new order for a pizza:

Client: David
Pizza: Margherita
Dimensione: 32 cm (large)
Extra Toppings: no extra

What orders are waiting

These orders are in the queue:

Client: David, **Pizza:** Margherita
Client: Eric, **Pizza:** Proscuitto

Demo

Declarative Agent

Declarative Agents

	SharePoint Agents	Agent Builder	Copilot Studio	Teams Toolkit for VS Code
Use Case	RAG with DocLib	RAG and conversational agents	Complex Logic	Integrate OpenAPIs and conversational agents
Knowledge	SharePoint DocLib	SharePoint, Bing, Graph Connectors, Dataverse, Bing	Files, Dataverse, Power Platform Connectors, Bing, SharePoint	APIs
Orchestration	No	No	No	Different API calls
Distribution	.agents file	ZIP file with manifest	Power Platform solution	Teams App

Custom Engine Agents

More flexibility with custom engine agents

User Interface	Teams Bot, Website, B2B, B2C, or autonomous
Instructions	Full flexibility
Responsible AI	Take care about privacy and filters
Knowledge	RAG with Files, Bing Search, Microsoft Graph, Azure AI Search, Microsoft Fabric, etc.
Action	REST API, Power Platform Connectors
Automation	Workflows, Actions, Triggers
Orchestrator	Copilot Studio Topics, Semantic Kernel, Microsoft 365 Agents SDK, etc.
Foundation Models	Every model available in Azure AI Foundry (GPT, Llama, Deepseek, SLM)



Copilot Studio
(formerly known
as Power Virtual
Agents)



Teams Toolkit
(aka Teams AI
Library)



Microsoft 365
Agents SDK
(formerly known
as Bot
Framework)



Azure AI
Foundry with
the new Azure
AI Agent Service



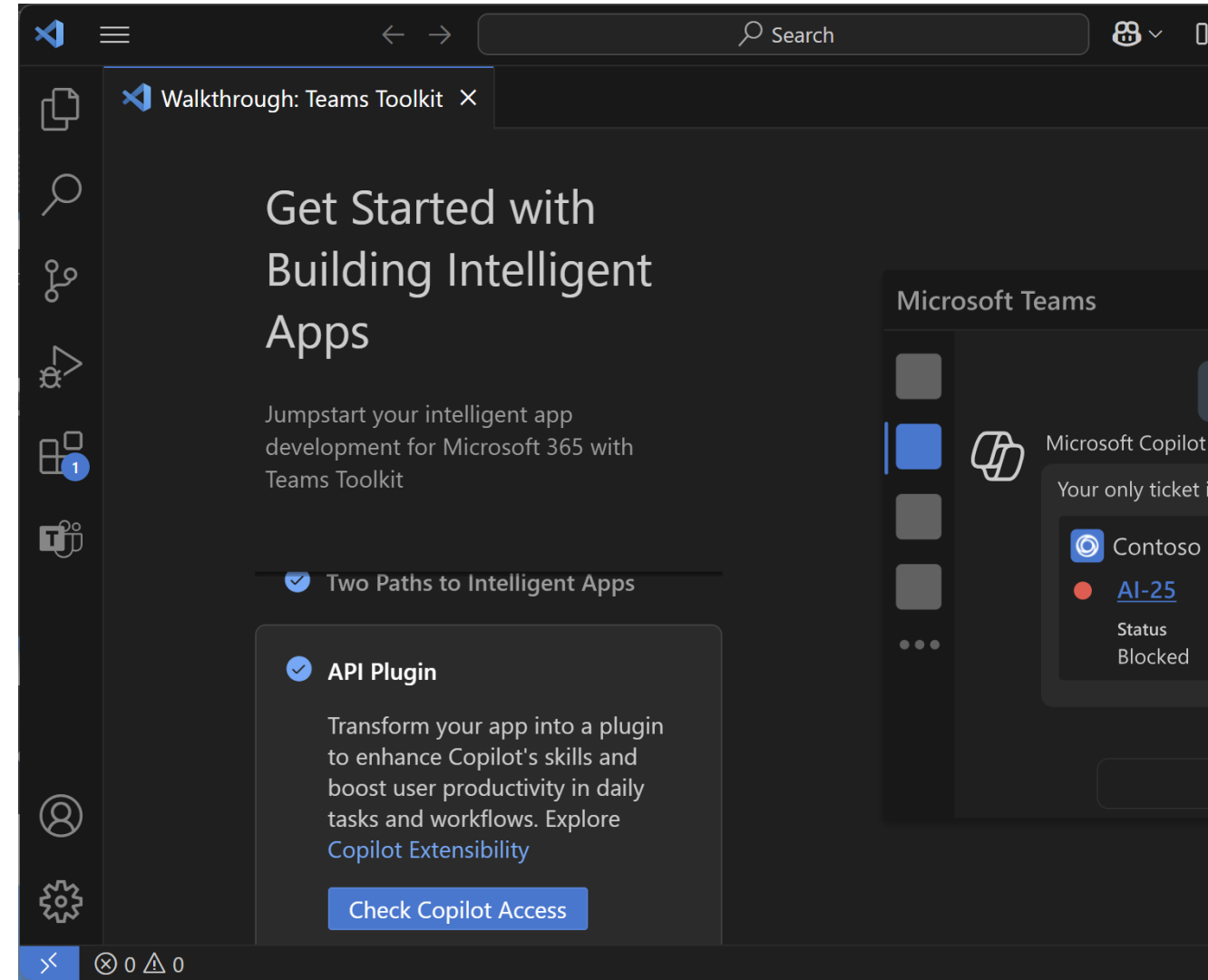
Custom solution
with Semantic
Kernel, Autogen
or other

Demo

Copilot Studio

Teams Toolkit

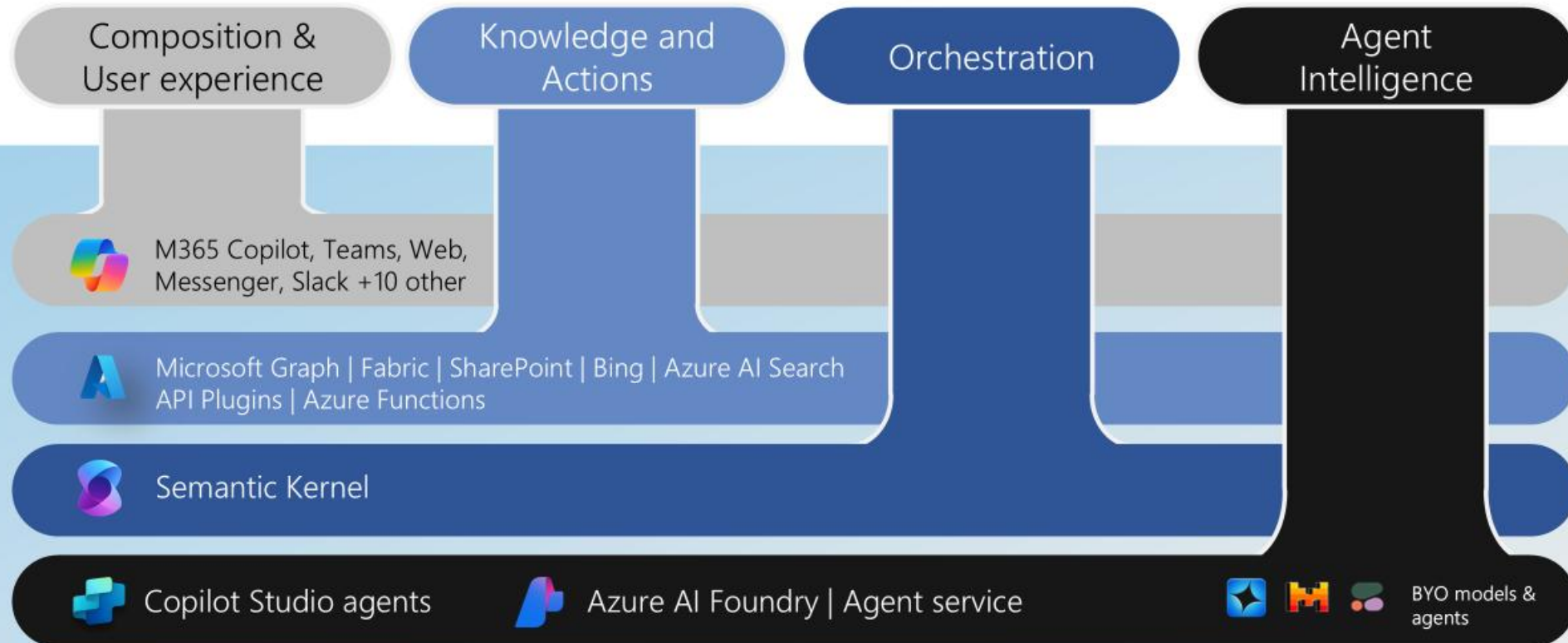
- Basic AI Chatbot
- Chat with your data
 - Azure AI Search
 - Custom API
 - Microsoft 365 Graph
- AI Agent
 - Build from scratch
 - Build with Assistant API
 - (hopefully more to come)



Build on your terms with the AI services of your choice

Your agent, your way

Microsoft 365 Agents SDK



Azure AI Agent Service

Code First

Use-case-agnostic platform for building, deploying, and managing AI agents as micro-services

Data

Enterprise solution, Bing, SharePoint, Microsoft Fabric, Azure AI Search and other APIs

Models

Azure Open AI (GPT-4.0, GPT-4, GPT-3.5)
3rd party LLM (Llama 2, Mistral-Instruct, Mistral-larger-2027, Cohere Command R+)

Integration

Copilot Studio is becoming more integrated with Azure AI Foundry, enabling more complex and custom scenarios.

Conclusion

Declarative Agents



SharePoint
Agents

Agent Builder

Copilot Studio

Teams Toolkit
for VS Code

Custom Engine Agents



Flexibility  & Effort 



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Thank you!

