Copilot Studio - Hands on Lab

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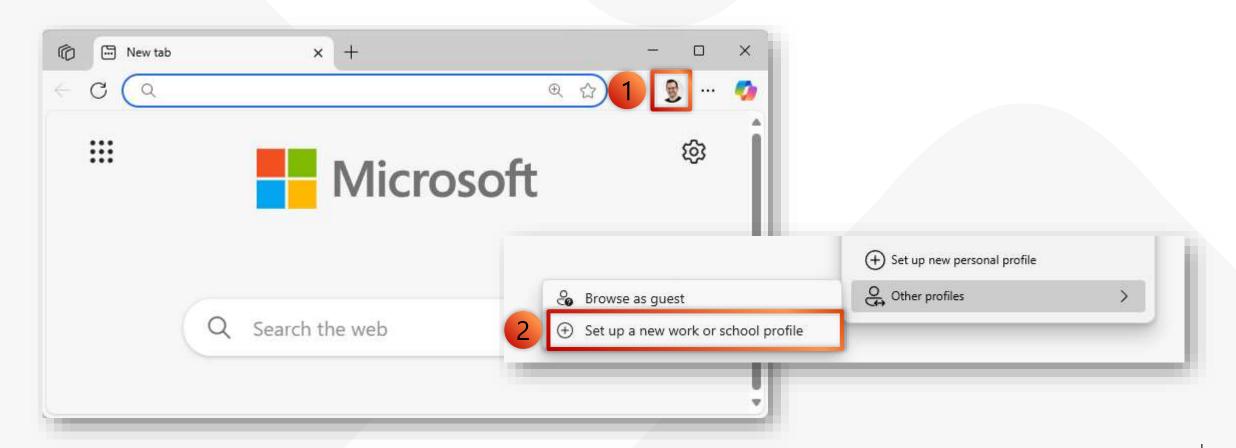
https://aka.ms/mcslabhyd https://copilotstudio.microsoft.com/

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LAB 01	Create your own AI assistant with Copilot Studio agent builder	15-min
LAB 02	Set yourself up for success & discover ALM best practices	15 - min
LAB 03	Give your public website chatbot a brain and make it an agent	15-min
LAB 05	Unlock new levels of productivity with autonomous agents	15-min

IMPORTANT LAB INSTRUCTIONS

- For a best experience, create a new work profile in your browser.

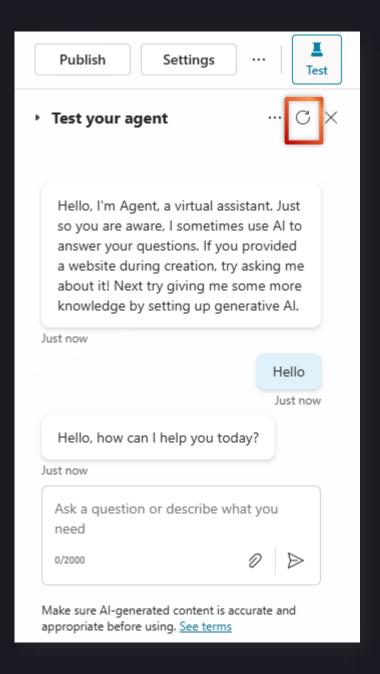




IMPORTANT LAB INSTRUCTIONS

- Follow the labs most lab content is dependent on previous labs.
- If you want to deviate from the labs and test your own scenarios, this is fine, but please do complete the labs first, and create your own separate custom agent for your own scenarios and exploration after you've completed the labs.

Productivity tip: Refresh the conversation between tests



DAY 2 LABS

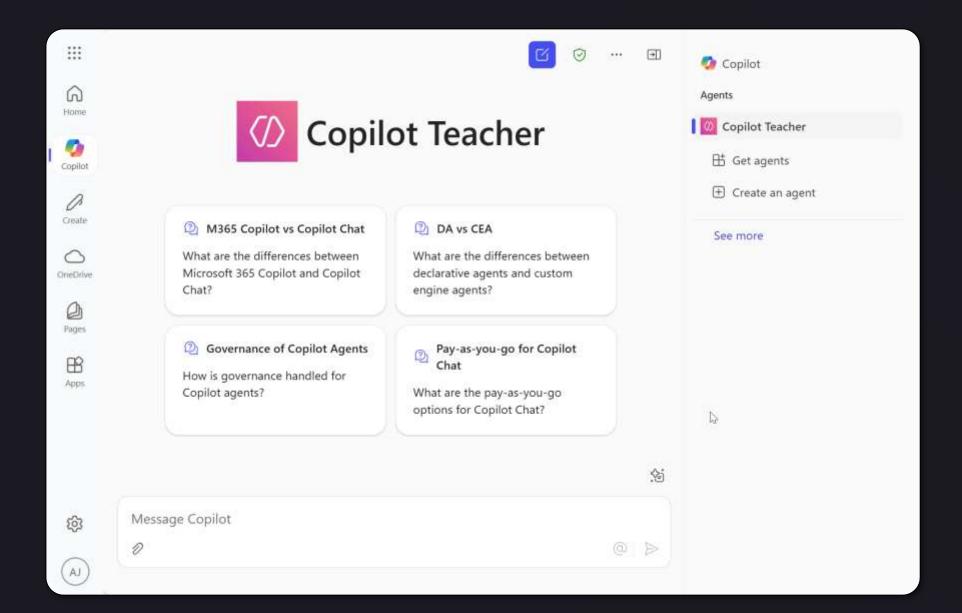
LAB 04	Create an 'Ask me anything' agent for your employees	25-min
LAB 11	Create an engaging user experience for your agent	15-min
LAB 12	Measure success: Track conversation outcomes and user feedback on AI responses	15-min



Create your own Al assistant with Copilot Studio agent builder



DEMO



Key concepts: Microsoft Copilot



- ·Microsoft 365 Copilot and Copilot Chat (internal, employee experiences B2E)
- ·When a user has access to **both**, they see a tab toggle in the user interface to switch between the **Work** (Microsoft 365 Copilot) and **Web** experiences (Copilot Chat).
- · Microsoft 365 Copilot is a per-user license (\$30/user/mo.) with premium features:
 - · Advanced agents like the research and analysts Frontier ones, grounded on enterprise data and using the latest reasoning models.
 - Surface areas (e.g., integration with Office applications),
 - · Features, like image generation, code interpreter, etc.
 - · Knowledge sources (e.g., your enterprise data from Outlook, Teams or SharePoint).
- Copilot Chat can be seen as a free enterprise equivalent to ChatGPT. It can uses the same underlying GPT models and can use data from the Web to generate answers to user queries.

Augmenting Copilot Chat with premium capabilities with a pay-as-you-go subscription

Copilot Chat can even leverage premium capabilities like organization-tenant grounding for answers (e.g., for example by generating answers from a SharePoint source) when tied to a pay-as-you-go Azure subscription.

Key concepts: Copilot agents



Microsoft 365 Copilot and Copilot Chat offer predefined experiences for employees. They can be augmented and specialized with agents.

Two types of agents can be surfaced in Microsoft 365 Copilot or Copilot Chat.

These are referred to as **Copilot agents**:

Declarative agents

They use Copilot as their core. They simply scope their tasks with specific instructions, predefined prompts, knowledge sources, and actions.

Ideal for simple scoped knowledge retrieval or task-specific use-cases.

Custom engine agents

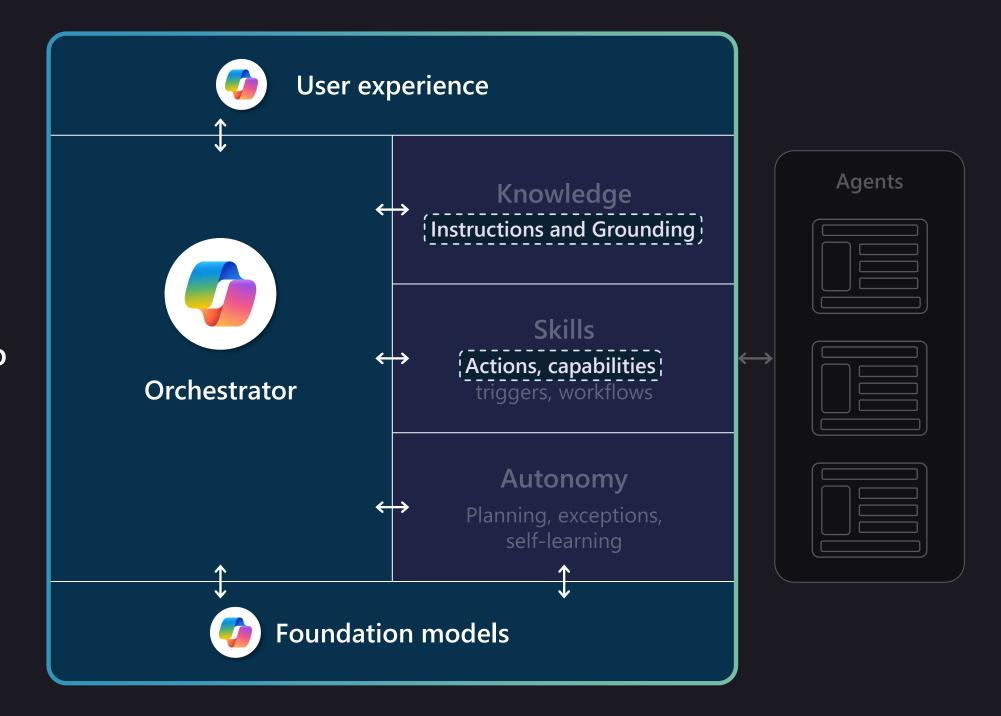
They don't use Copilot at their core – they come with their own orchestration, knowledge, skills, etc. and they can run on a different platform than Microsoft Copilot. Ideal for more advanced or complex use-cases.

Declarative agents

With Copilot Studio agent builder

Note: other tools can be created to create declarative agents





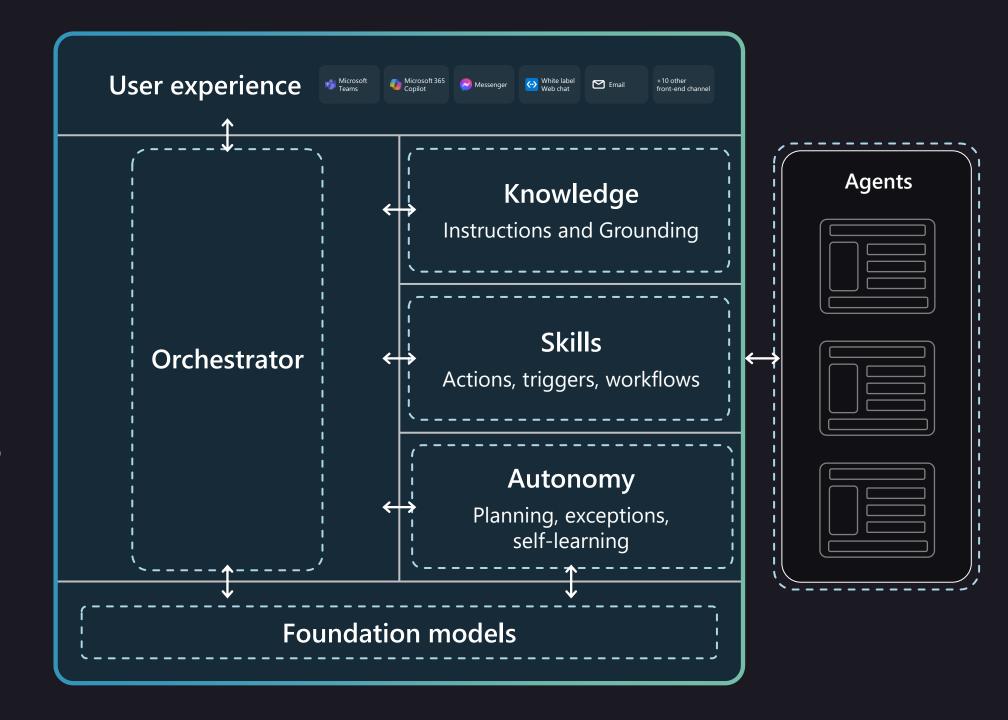
Custom engine agents

With Copilot Studio

Note: other tools can be created to create declarative agents

Microsoft provided

Developer provided



		Included A Included — Metered	Microsoft 365 Copilot Chat Free + Consumption	Microsoft 365 Copilot \$30 pupm
Chat	Copilot Chat – Web grounded (powered by GPT-4o)		•	•
	Copilot Chat – Work grounded (work data in your tenant's Microsoft Graph and 3rd p	party data via Graph connectors)		•
	Copilot Pages		•	•
	File upload ¹		•	
	Code Interpreter ¹		•	•
	Image generation ¹		•	•
Agents ²	Create agents using Copilot Studio ³ , including SharePoint agents		•	•
	Discover and pin agents		•	
	Use agents grounded in Web data		•	•
	Use agents grounded in work data (work data in your tenant's Microsoft Graph and 3rd party data via Graph connectors)		A	•
	Use agents that act independently using autonomous actions		<u> </u>	A
Personal	Copilot reasons over personal work data (e.g., Outlook, OneDrive, Teams meeting tra	nscripts and chats)		•
assistant	Copilot in Teams			•
	Copilot in Outlook			•
	Copilot in Word			•
	Copilot in Excel			•
	Copilot in PowerPoint			•
	Copilot Actions			In preview
	Pre-built M365 agents (Interpreter, Facilitator, Project Manager, Employee Self-Service)			In preview
Copilot Control	Enterprise Data Protection (EDP)		•	•
System	IT management controls		•	•
	Agent management		•	•
	SharePoint Advanced Management			•
	Copilot Analytics to measure usage and adoption ⁴			•
	Pre-built reports and advanced analytics to measure ROI			•



Lab 02

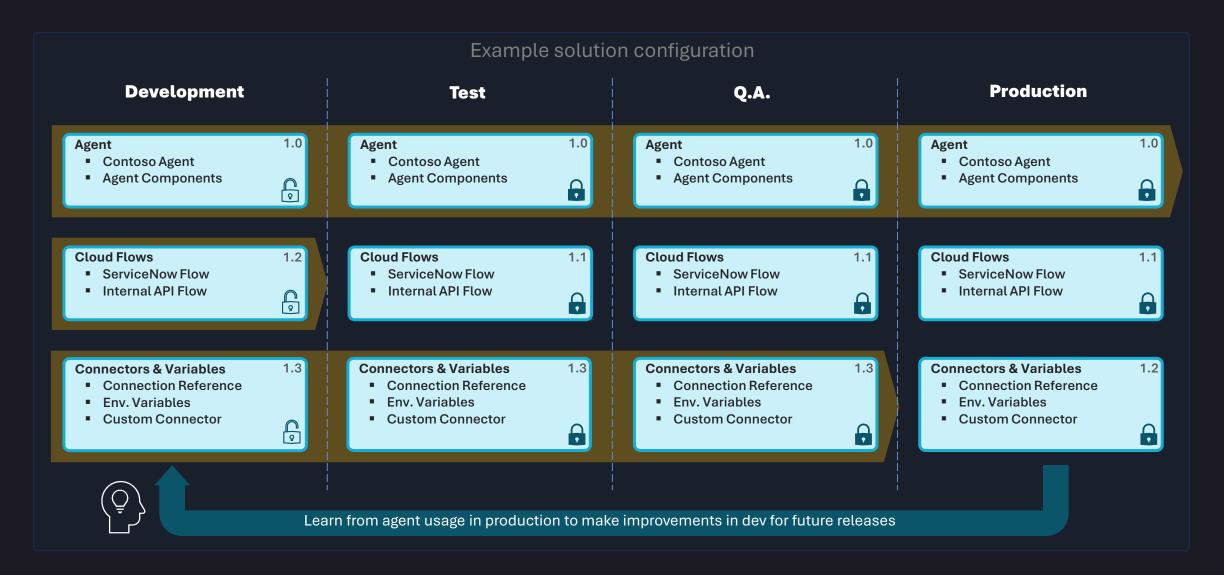
Set yourself up for success & discover ALM best practices

Key concepts: Application Lifecycle Management (ALM)

Copilot Studio is built on the same foundations a Power Platform and offer rich options when it comes to Application Lifecycle Management.

- **Environment strategies** apply (e.g. to work on a development version without impacting the one in production)
- Solution concepts apply (to transport components across environments)
- **Environment variables** for environment-specific settings and **connection references** for environment-specific connections/credentials.
- Continuous integration and continuous delivery (CI/CD) deployments options (pipelines, Azure DevOps or GitHub integrations...)
- Source control with git integration.

Application Lifecycle Management



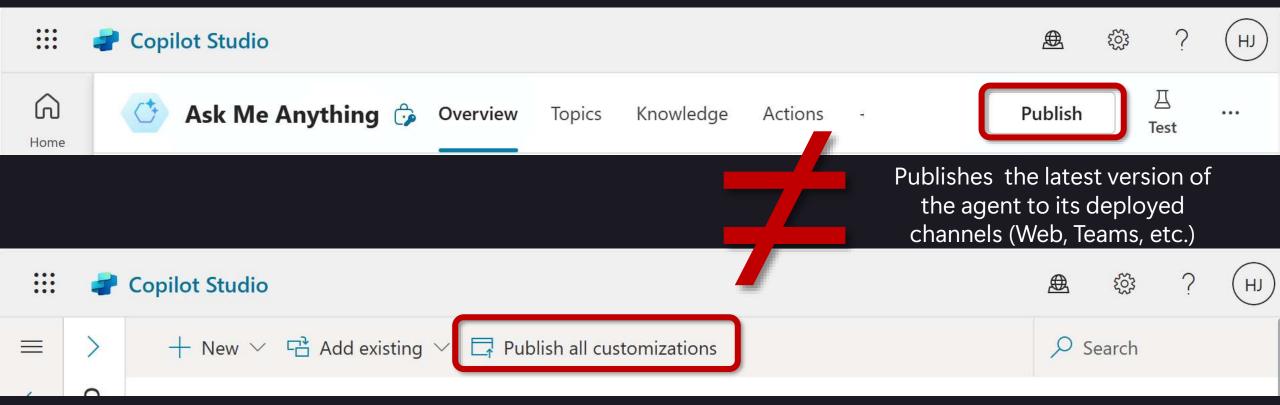
ALM Golden Rules



- ✓ Work in the context of solutions
- Create separate solutions only if you need to deploy components independently.
- Use a custom publisher and prefix.
- Use environment variables for settings and secrets that change across those.
- Export and deploy solutions as managed, unless setting up a dev environment.
- Don't do customizations outside of dev.
- Consider automating ALM for source control and automated deployments.

What 'Publish' really does in Copilot Studio

Publishing an agent in Copilot Studio and publishing customizations in a solution are not the same thing.



Publishes other Power Platform customizations, like Dataverse table changes

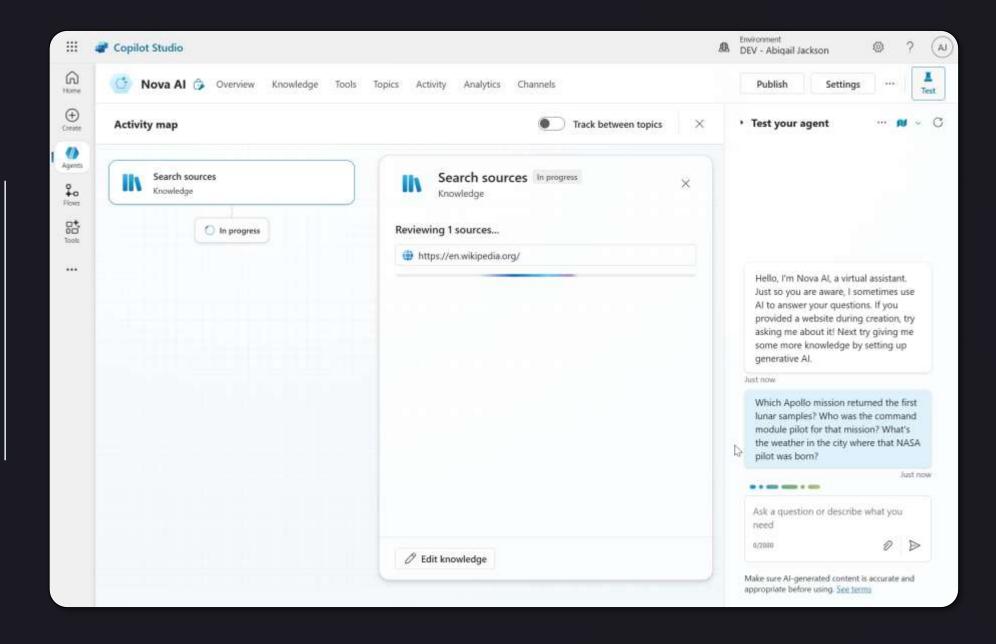
Copilot Studio-specific ALM considerations

- There are a few specific settings in Copilot Studio that are not solution-aware.
- That means they don't follow normal solution deployment and require post-deployment steps on the downstream environment.
 - Azure Application Insights settings
 - Manual authentication settings
 - Direct Line / Web channel security settings
 - Deployed channels
 - Sharing (with other makers, or with end-users)

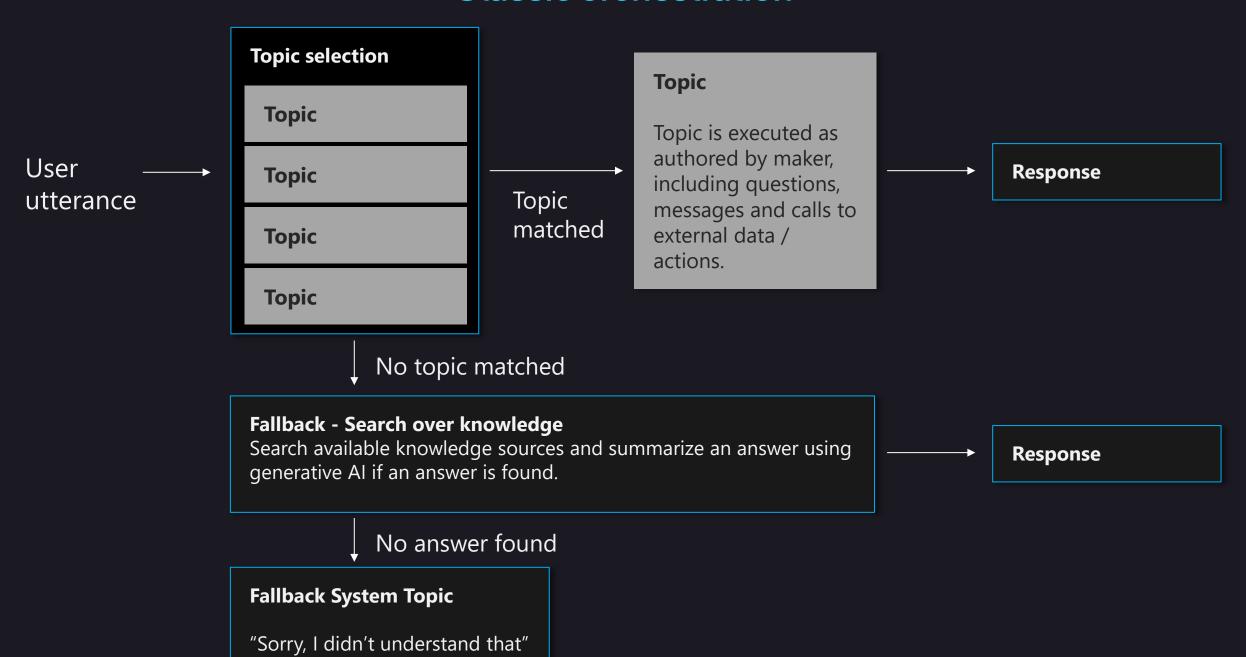


Give your public website chatbot a brain and make it an agent

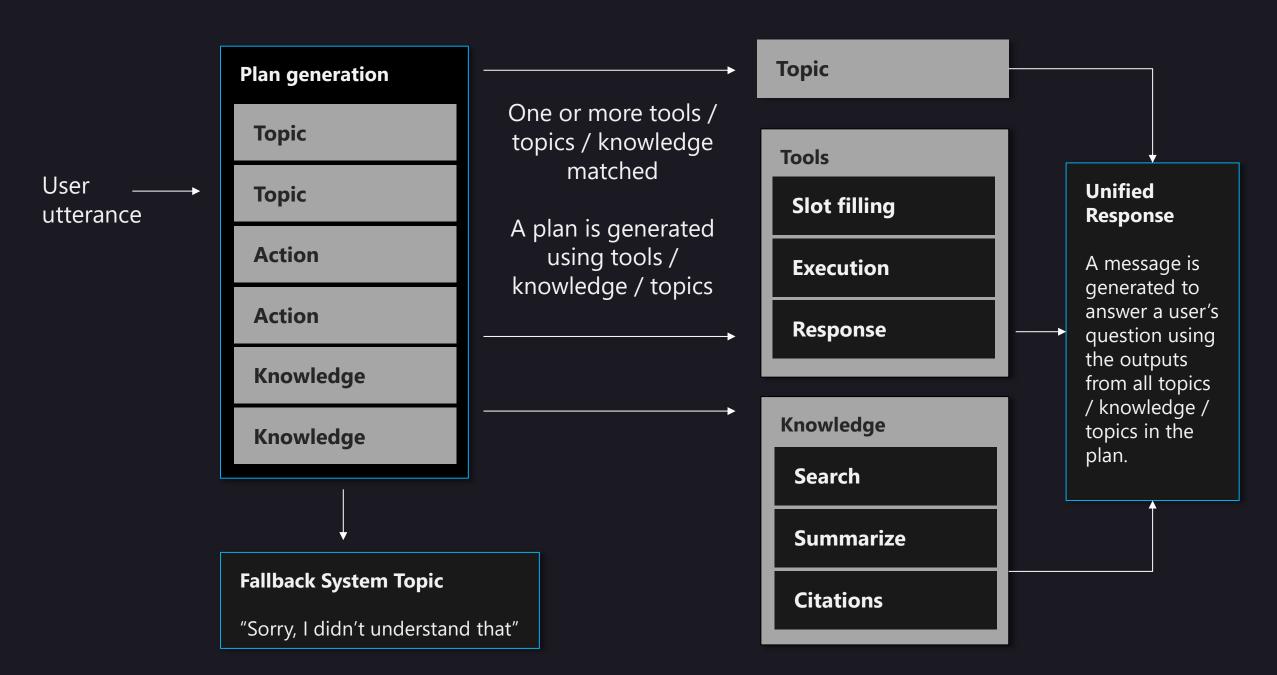
DEMO

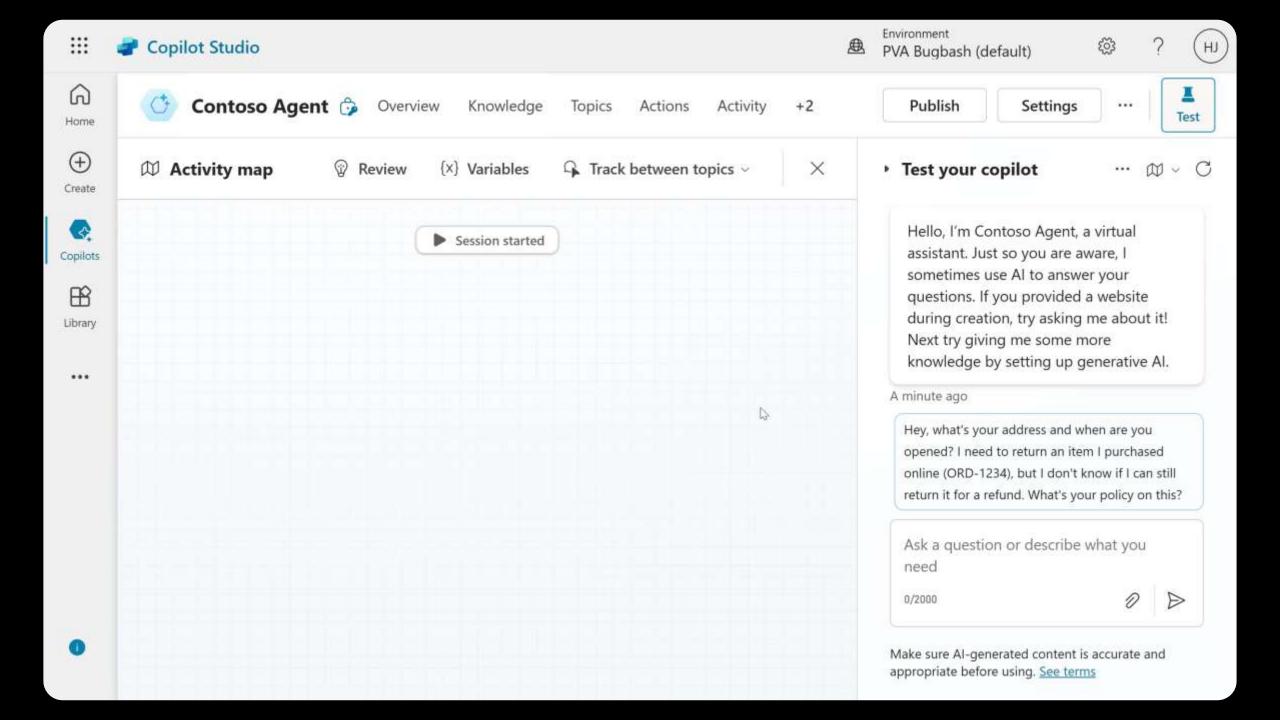


Classic orchestration



Generative orchestration





Thank You