

# Build Your Agent Using Microsoft Copilot Studio

HANDS-ON WORKSHOP

# Agenda

Introduction to Microsoft Copilot Studio

**Lab 01:** Create your first agent in Microsoft Copilot Studio

**Lab 02:** Authoring 101

**Lab 03:** Knowledge sources, AI knowledge, and custom instructions

**Lab 04:** Build and Invoke Power Automate cloud flows

**Lab 05:** Invoke AI Builder prompts

**Lab 06:** Make HTTP requests to connect to an API

**Lab 07:** Use generative AI orchestration to interact with your connectors

**Lab 08:** Using topic inputs

**Lab 09:** Advanced generative orchestration

Q&A



# Introduction to Copilot Studio



---

# BRAND GUIDANCE

# Brand Guidance

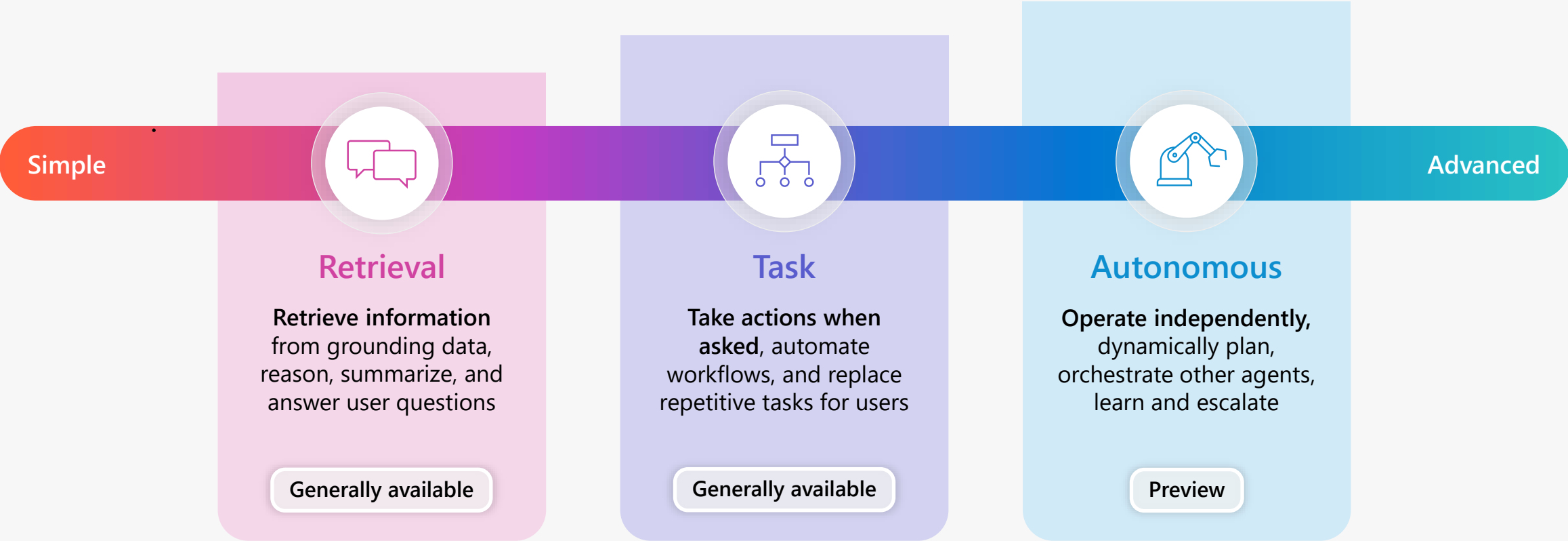
---

**Microsoft 365 Copilot** is the UI for AI – your personal, intelligent assistant for work, grounded in your data and integrated into your Microsoft apps.

**Microsoft Copilot Studio** is our low code tool for creating agents and extending M365 Copilot.

**Agents** use AI to automate and execute business processes, working alongside or on behalf of a person, team, or organization. Agents range from simple, prompt-and-response agents to more advanced, fully autonomous agents.

# Spectrum of agents

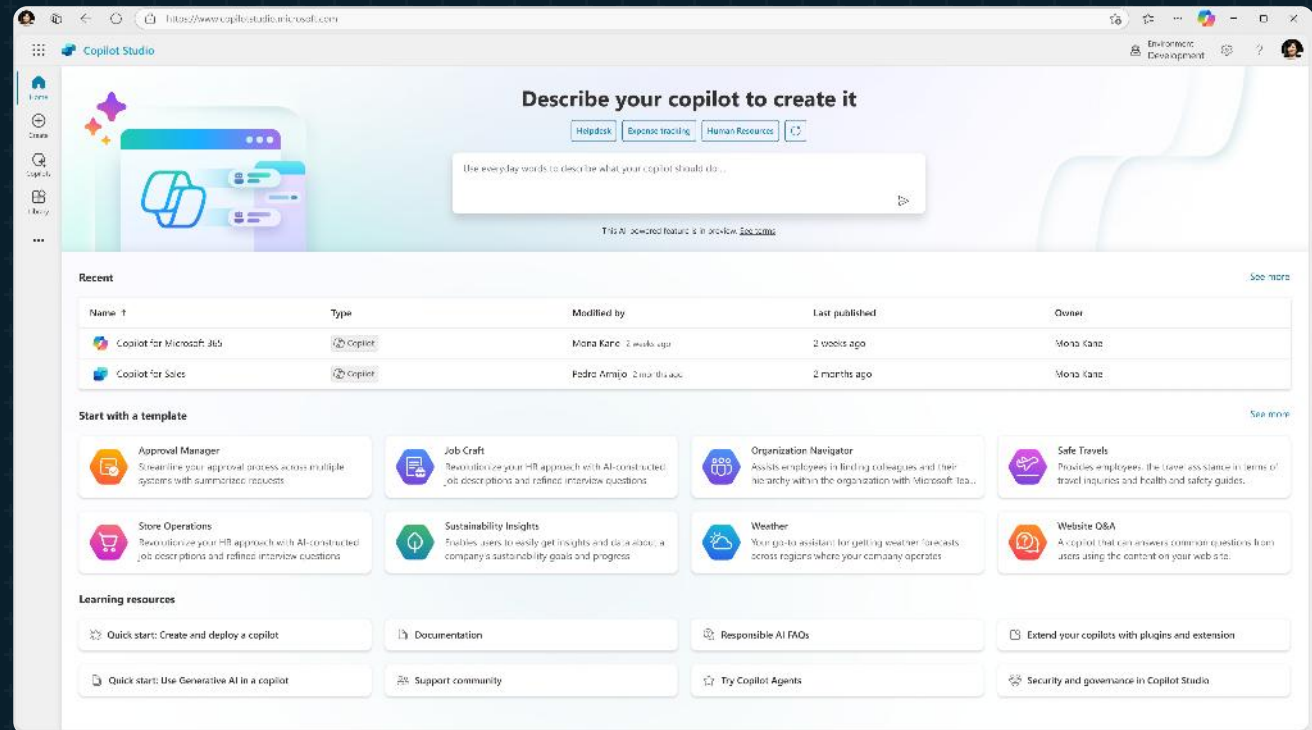


←..... Agents vary in levels of complexity and capabilities depending on your need .....→

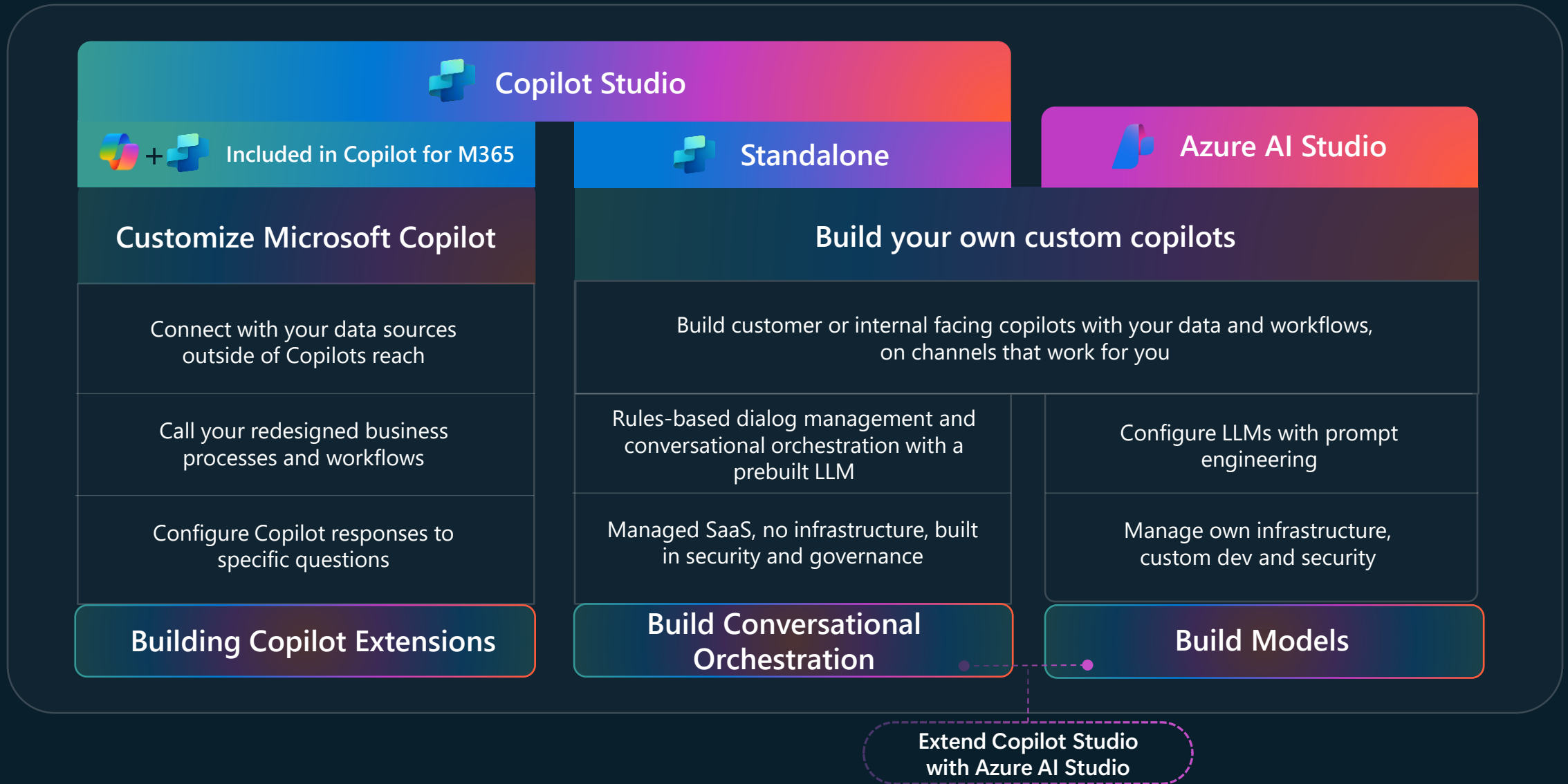
# Microsoft Copilot Studio

Your agent, your way

Copilot Studio is an end-to-end conversational AI product for **building your own agent** or **extending Microsoft Copilot** with generative AI, large language models and **your data**.



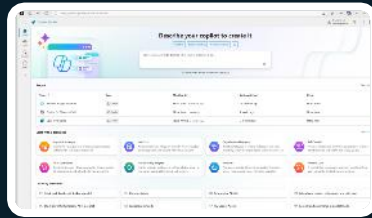
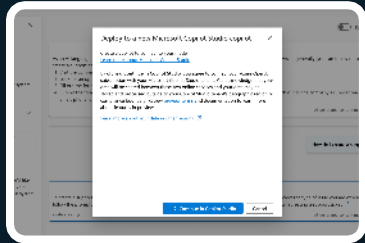
# Different building journeys for different needs



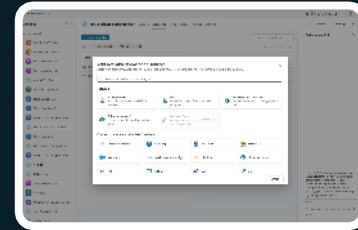
Create, manage, publish and extend agents  
Live in minutes - all from one tool  
and E2E SaaS service

### Integrate with AI Services

Integrate with Azure AI Studio,  
Azure Cog Services, Bot  
Framework and various other  
Microsoft conversational services



## Build & Publish

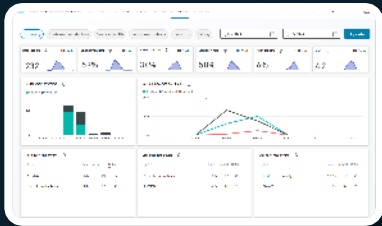


### Chat over knowledge with Gen AI

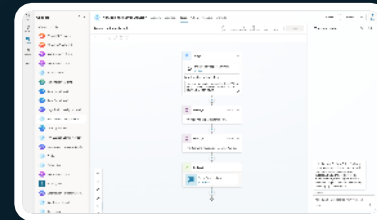
Get enterprise specific answers  
over your files, websites, internal  
shares, Dataverse, third party  
systems and more

### Monitor and Improve

with rich out-of-the-box  
insights and analytics



Copilot Studio

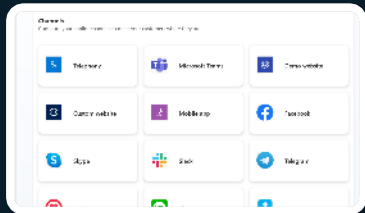


### Create specific topics

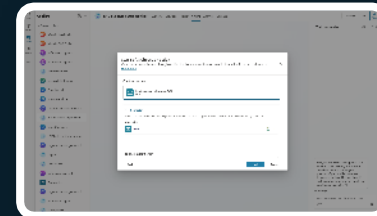
Supplement generative  
responses with specific, curated  
topics where you want tight  
control. Build them easily with  
the powerful graphical studio

### Publish to multiple channels,

and go live instantly on the SaaS  
service or choose to extend  
Copilot for Microsoft 365 with  
your custom capabilities



## Analyze & Improve



### Build actions & Plugins

Create actions, plugins, use  
1000s of pre-built connectors  
or Power Automate to call  
your backends and APIs



# Copilot Studio Implementation Guide

The Copilot Studio implementation guide provides a framework to do a 360-degree review of an agent or bot project.

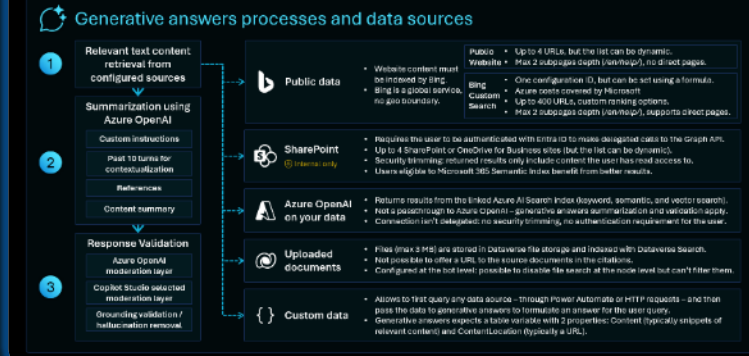
Through probing questions, it highlights potential risks and gaps, aims at aligning the project with the product roadmap, and shares guidance, best practices and reference architecture examples.

SCAN ME

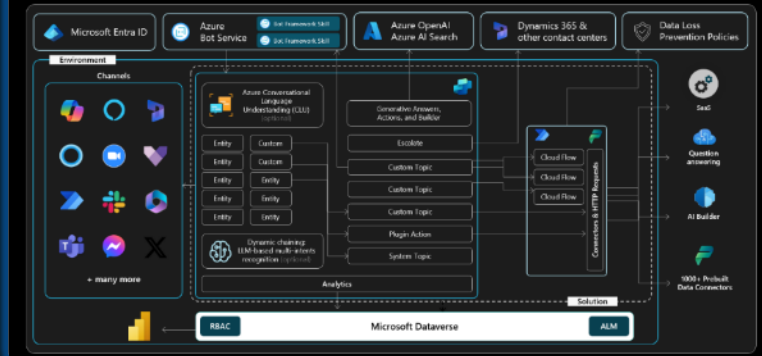


[aka.ms/CopilotStudioImplementationGuide](https://aka.ms/CopilotStudioImplementationGuide)

## Generative answers considerations

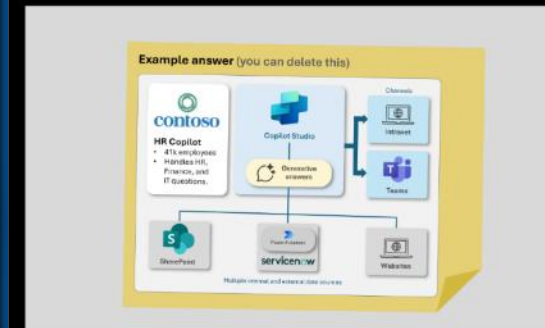


## Copilot Studio architecture



## Solution architecture

Provide an architecture diagram with the overview of the technical implementation



### Why do we ask these questions?

To have the big picture of your copilot project and its integration in a broader technical and functional landscape.

### Information we're looking for:

- Architecture diagrams or blueprints
- Functional and technical overview of the copilot and its integration in the broader technical landscape (other Power Platform or Azure services, internal APIs, etc.)



**Get Started**

Go to [aka.ms/CopilotStudioWorkshop](https://aka.ms/CopilotStudioWorkshop)



▶ [SCAN ME](#)

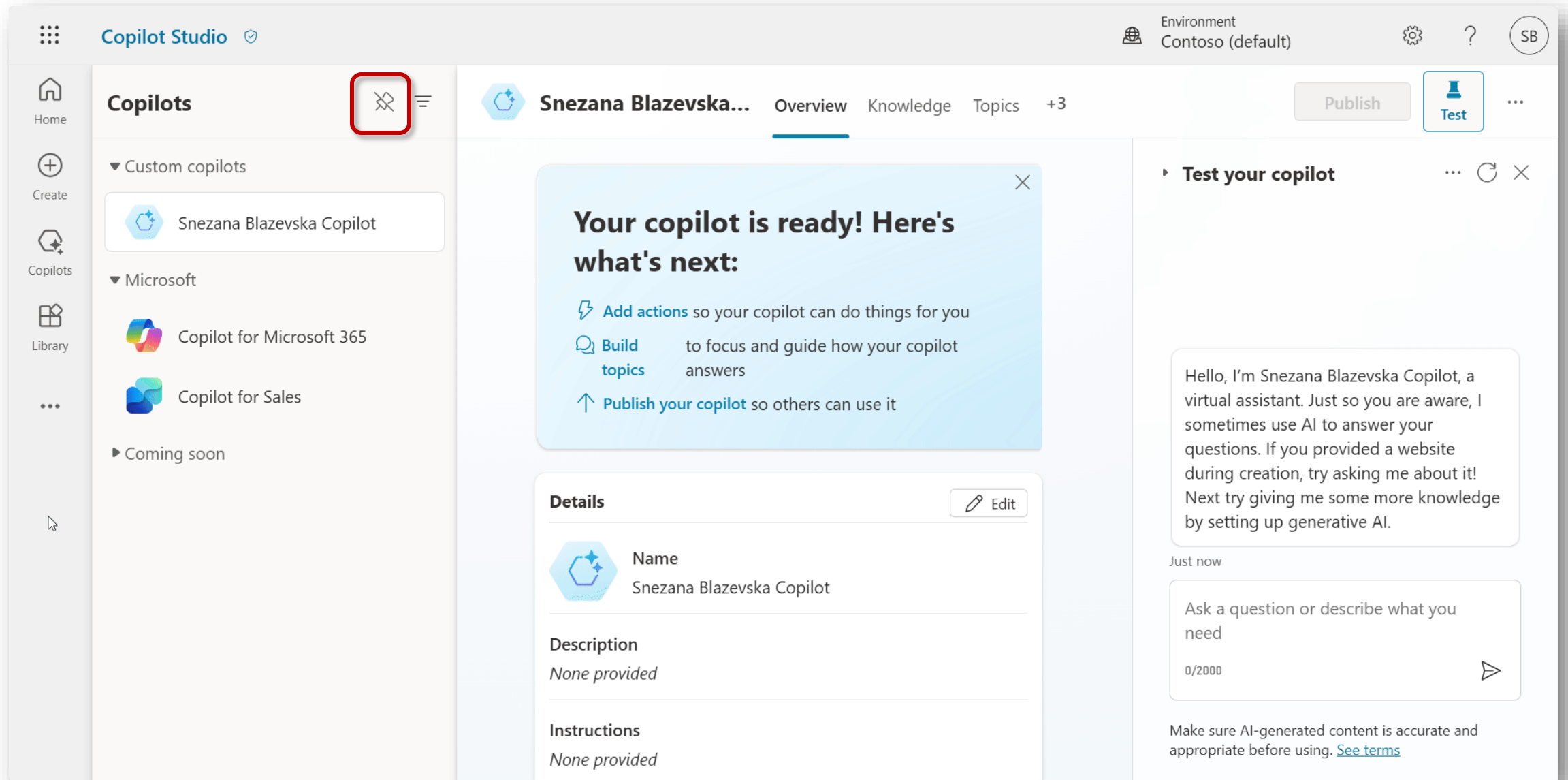
THEN:

1. **Download** and **unzip** the lab files locally.
2. Using the provided credentials, **log in** [aka.ms/CopilotStudioStart](https://aka.ms/CopilotStudioStart)


# IMPORTANT LAB INSTRUCTIONS

1. **Follow the labs** most lab content is dependent on previous labs.
2. **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.
3. **Using a Mac? Use Chrome or Edge** as there is known issue being fixed.
4. **Trouble copy-pasting the content from PDFs?** Use Word versions.

# Productivity tip #1: **Unpin** the Copilots pane




The screenshot displays the Copilot Studio interface. On the left, a vertical sidebar contains navigation icons for Home, Create, Copilots, and Library. The main area is titled "Copilots" and features a red box around a pin icon, indicating the pane is unpinned. Below this, a list of copilots is shown, including "Snezana Blazevska Copilot" under the "Custom copilots" section, and "Copilot for Microsoft 365" and "Copilot for Sales" under the "Microsoft" section. The right side of the interface shows the "Snezana Blazevska..." copilot's overview, with a blue notification box stating "Your copilot is ready! Here's what's next:" and three action items: "Add actions", "Build topics", and "Publish your copilot". Below this is a "Details" section with fields for Name, Description, and Instructions. On the far right, a "Test your copilot" panel is visible, containing a chat window with a message from the copilot and a text input field for user questions.

**Copilots** 



Environment: Contoso (default)

**Snezana Blazevska...** Overview Knowledge Topics +3 Publish Test

▼ Custom copilots




-  Snezana Blazevska Copilot

▼ Microsoft


-  Copilot for Microsoft 365
-  Copilot for Sales

► Coming soon

**Your copilot is ready! Here's what's next:**

-  [Add actions](#) so your copilot can do things for you
-  [Build topics](#) to focus and guide how your copilot answers
-  [Publish your copilot](#) so others can use it

**Details** Edit

 **Name**  
Snezana Blazevska Copilot

**Description**  
None provided


**Instructions**  
None provided

**Test your copilot**

Hello, I'm Snezana Blazevska 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.

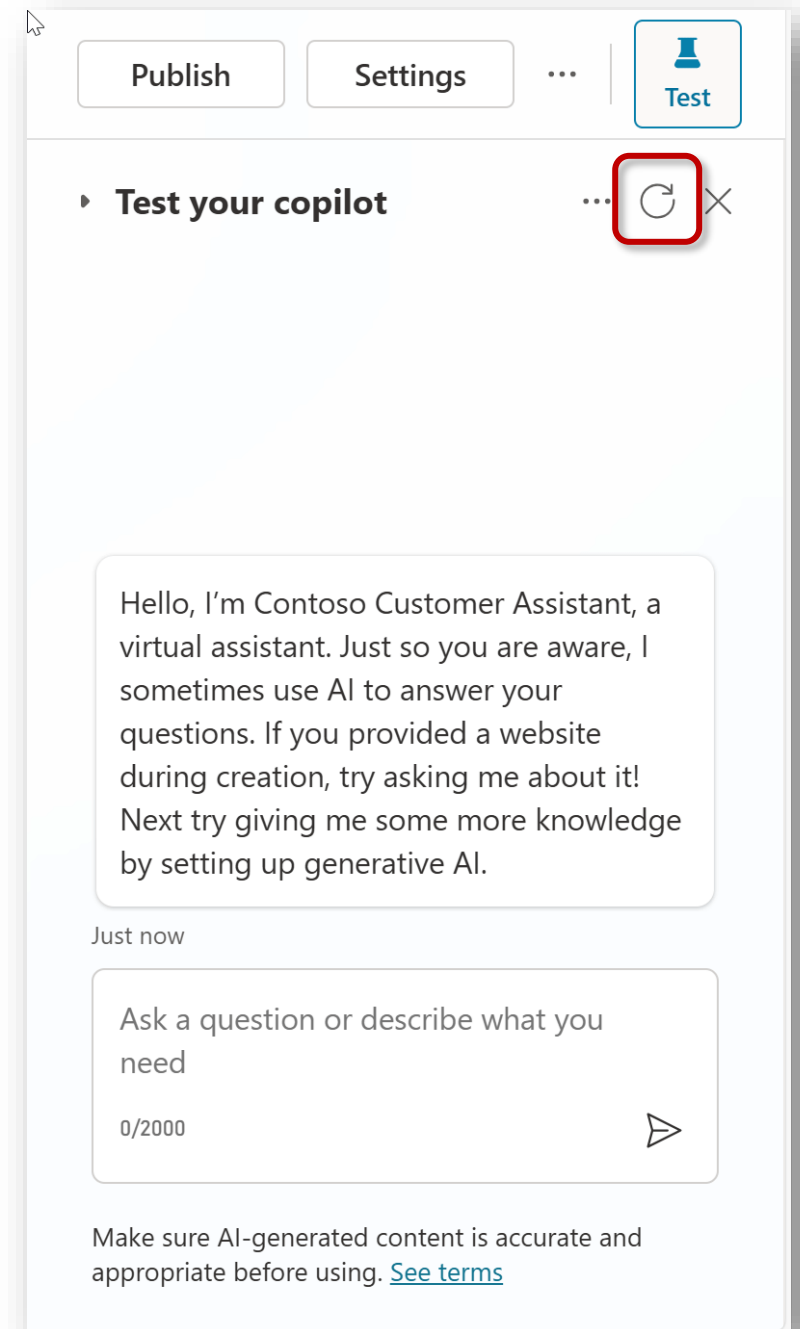
Just now

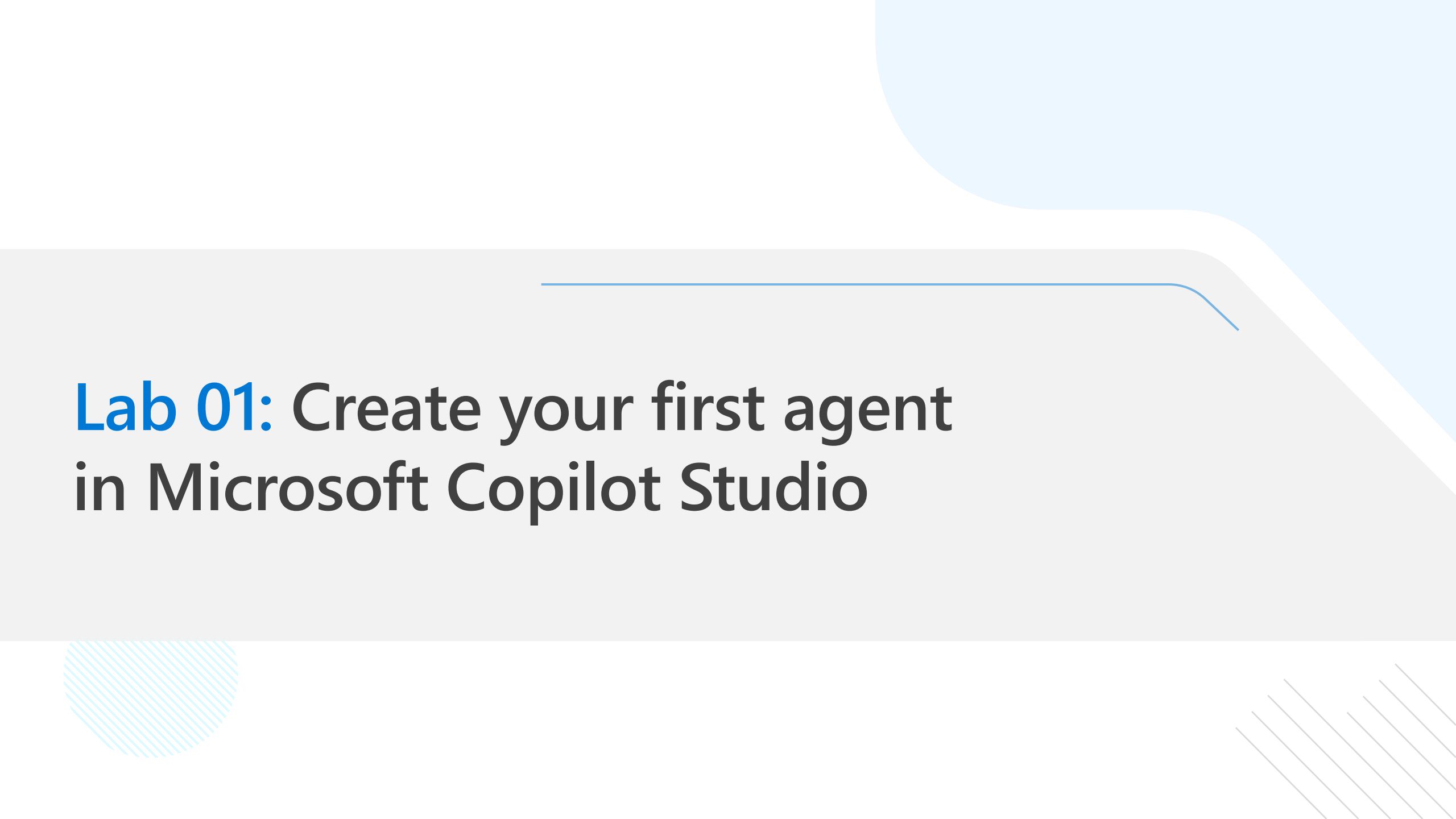
Ask a question or describe what you need

0/2000 

Make sure AI-generated content is accurate and appropriate before using. [See terms](#)

# Productivity tip #2: Refresh the conversation between tests





# **Lab 01:** Create your first agent in Microsoft Copilot Studio

# Copilot for Copilot Studio

AI assistance in building topics, designing and modifying the agent all through natural language

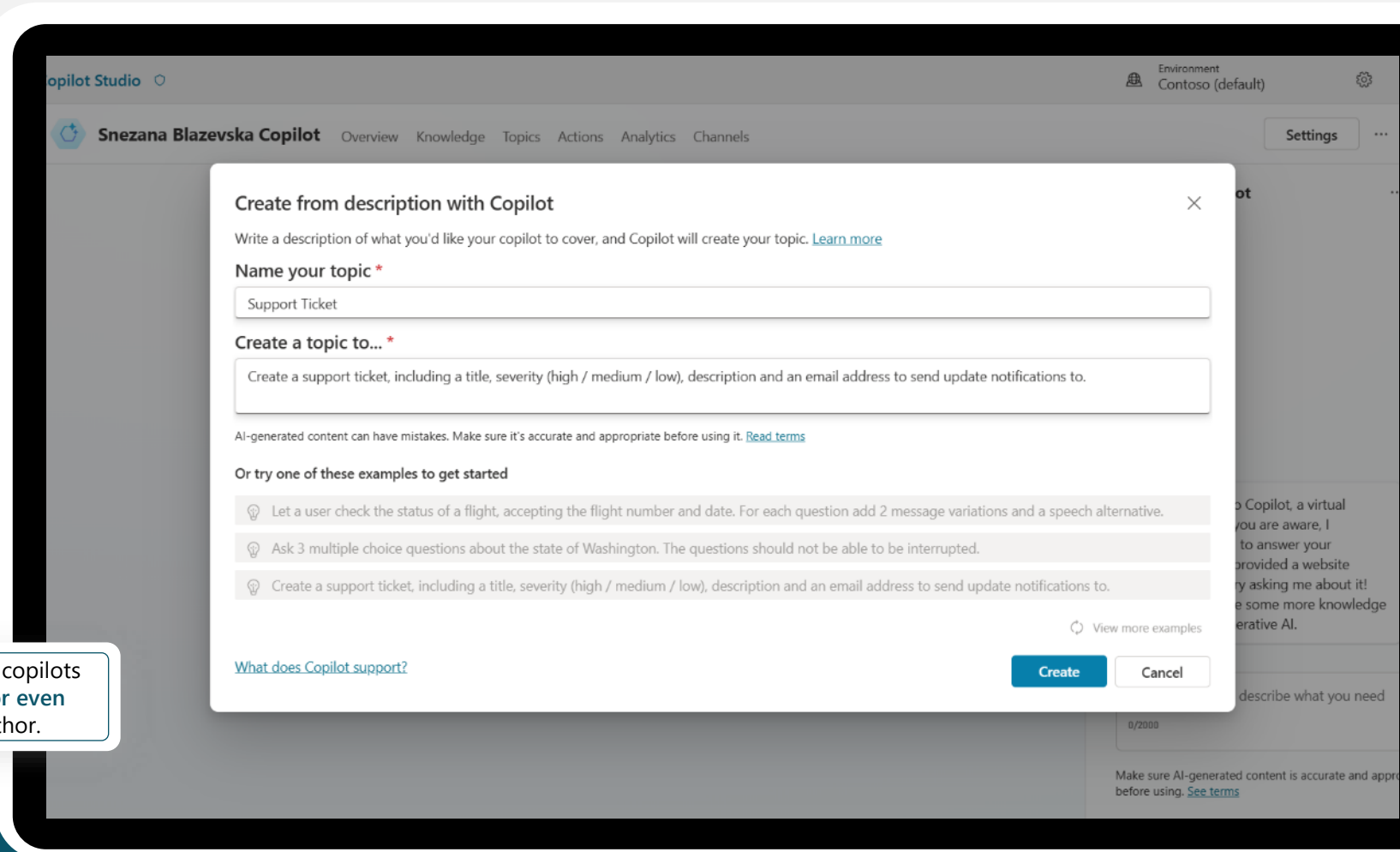
Assisted authoring for:

- Topic creation
- Topic iteration
- Response generation
- Adaptive Card generation
- Topic improvement suggestions
- Suggested trigger phrases, topic names, topic descriptions
- Transcript generation
- Copilot creation
- Topic suggestions

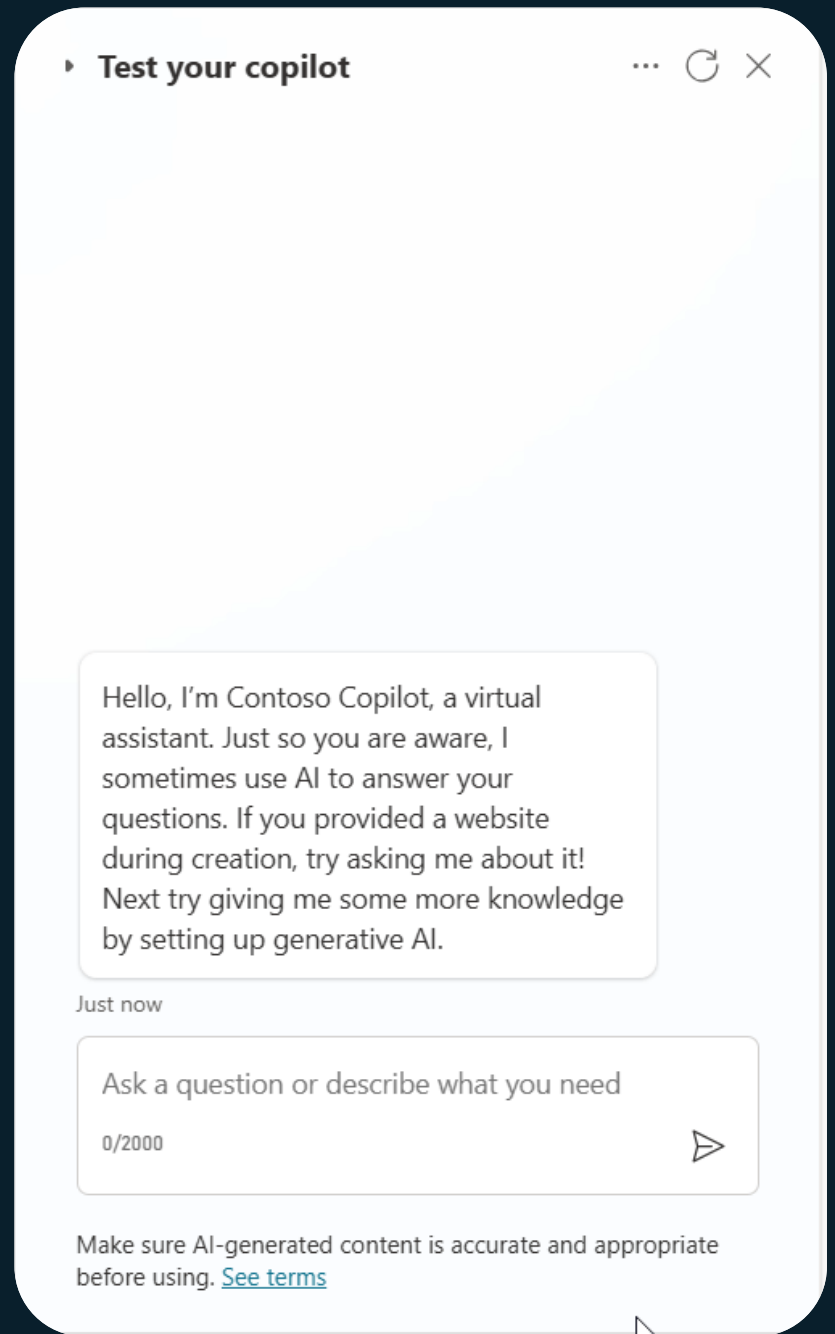
Azure bots take **months** to author

Copilots took **days** to author

Prompt-authored copilots will take **hours or even minutes** to author.



# Demo Lab 1



The background features a complex geometric design. On the right side, there are several overlapping triangles and quadrilaterals in various shades of blue, ranging from a light sky blue to a dark navy blue. On the left side, there is a large, light gray trapezoidal shape that overlaps with the white background. The overall composition is clean and modern.

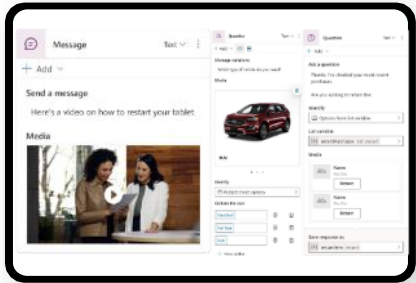
# Lab time!

**Lab 01 [40] minutes**



# Lab 02: Authoring 101

# Copilot Studio authoring canvas



## Rich Responses

New features including:



Adaptive Cards



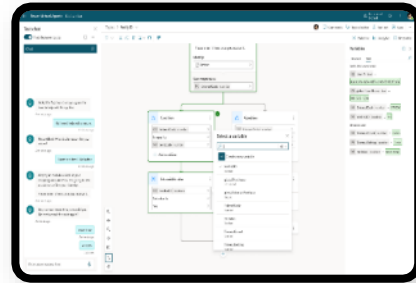
Images



Videos

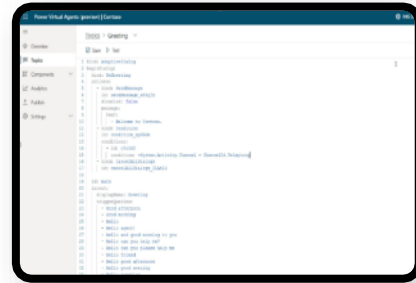


Quick Replies



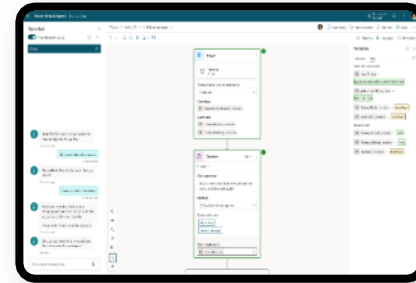
## Power Fx-based variables system

- Power Fx integrated formula editor for variable management
- List / Record type support
- Condition nodes with Power Fx formula support
- Iterate over a List with new Loop nodes (coming soon)



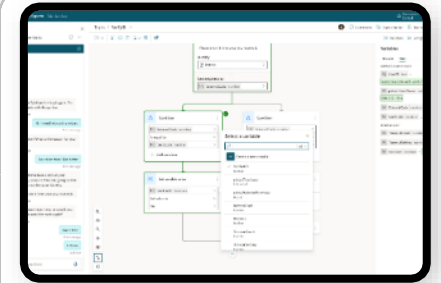
## Code side-by-side

- Move between a visual editor and code
- Share and re-use topic logic between developers and bots



## Event-driven & contextual triggering

- Trigger an event that can interrupt Dialogs if it detects a certain value has been received
- Add more nuanced responses to a message when the bot runs into an issue.
- Bots can stay within context when a user asks for additional help or more details



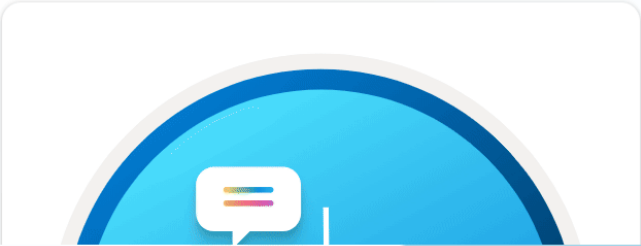
## Productivity

- Cut, Copy, Paste
- Multi-node selection
- Enhanced topic navigation

# Demo Lab 2


▸ **Test your copilot** ... ↻ ✕

Hello, I'm Contoso 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.



Help with my order

Ask a question or describe what you need

0/2000 

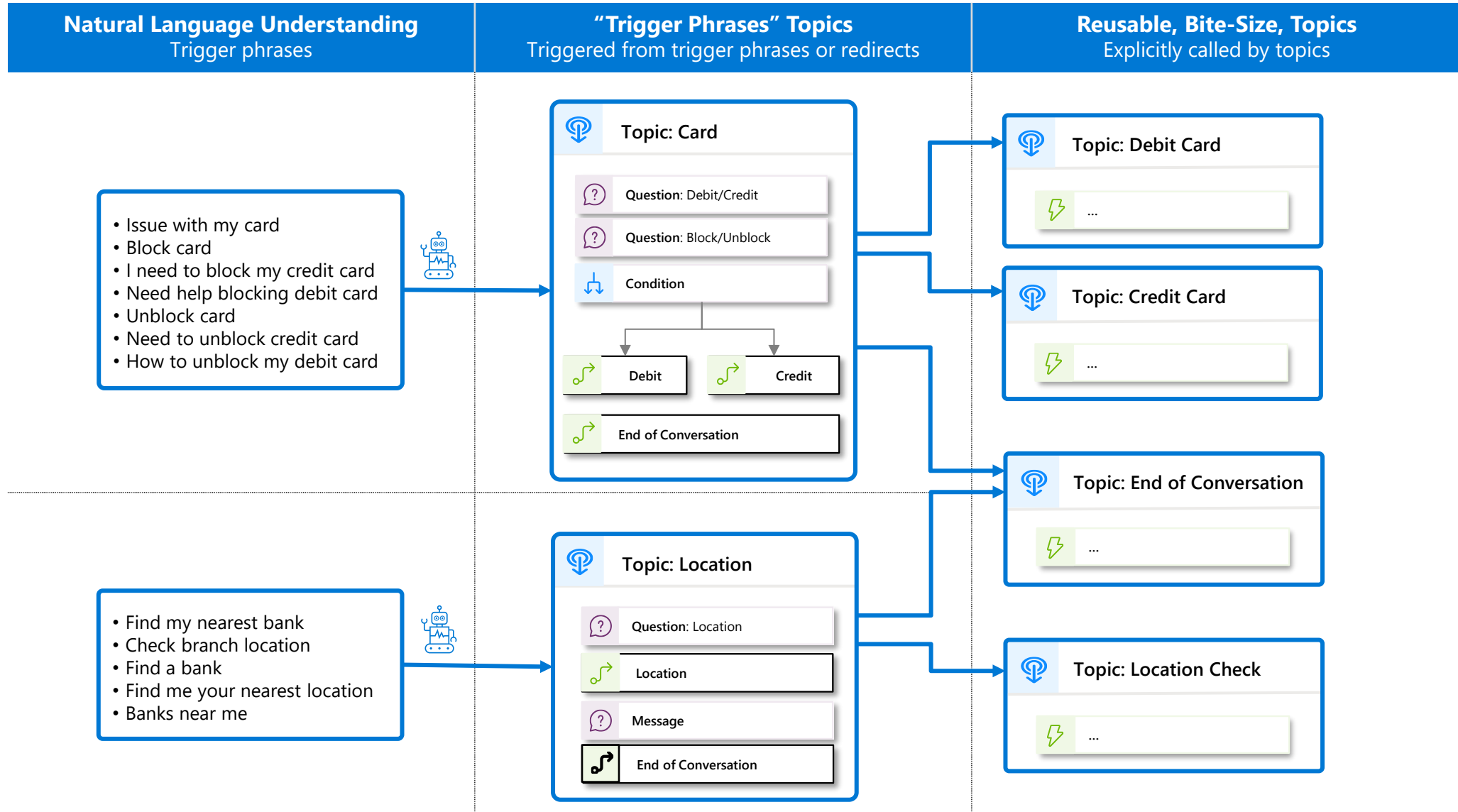
Make sure AI-generated content is accurate and appropriate before using. [See terms](#)

The background features a complex geometric design. A large, light gray shape on the left side contains the text. To the right, there are several overlapping geometric shapes in various shades of blue, including a dark blue triangle at the bottom right and a lighter blue shape above it. A white shape is also visible at the top right, partially overlapping the blue shapes.






# Lab time!

**Lab 02 [60] minutes**

# Disambiguation with topic design



# Natural language understanding

	 <b>Standard NLU model</b>	 <b>Custom Azure CLU model</b>	 <b>Generative orchestration</b>
	<ul style="list-style-type: none"> <li>✓ Default, out-of-the-box, model that comes pre-trained, with many predefined entity types.</li> <li>✓ Configuration is done by adding trigger phrases and custom entities (either closed lists with values and synonyms, or regular expressions).</li> </ul>	<ul style="list-style-type: none"> <li>✓ Supports additional languages, with native models.</li> <li>✓ Allows to further customize the intent triggering model for better intent recognition or to address specific industry requirements.</li> <li>✓ Allows for complex entity extraction (e.g., of the same type).</li> <li>✓ Entity extraction can also leverage Copilot Studio standard NLU.</li> </ul>	<ul style="list-style-type: none"> <li>✓ Uses a GPT large language model.</li> <li>✓ Can handle multiple intents and chain topics and/or plugins.</li> <li>✓ Automatically generate questions for missing inputs and answers complex entities and questions from the conversation context.</li> <li>✓ Configuration is done by simply describing topics, plugin actions, and inputs/outputs.</li> </ul>
	<ul style="list-style-type: none"> <li>✓ Single intent recognition per query.</li> <li>✓ Cannot be extended.</li> <li>✓ Slot-filling multiple entities of the same type in the same query requires disambiguation for each (e.g., from and to cities)</li> </ul>	<ul style="list-style-type: none"> <li>✓ Single intent recognition per query.</li> <li>✓ Configuration is done in Azure and involves additional costs.</li> <li>✓ Has its own service limits that need to be evaluated.</li> <li>✓ Azure CLU intents and Copilot Studio topics must be carefully kept in sync.</li> </ul>	<ul style="list-style-type: none"> <li>✓ As it's a generative AI feature, the licensing burn rate of messages is higher than in regular topic triggering.</li> <li>✓ Preview capability.</li> </ul>



---

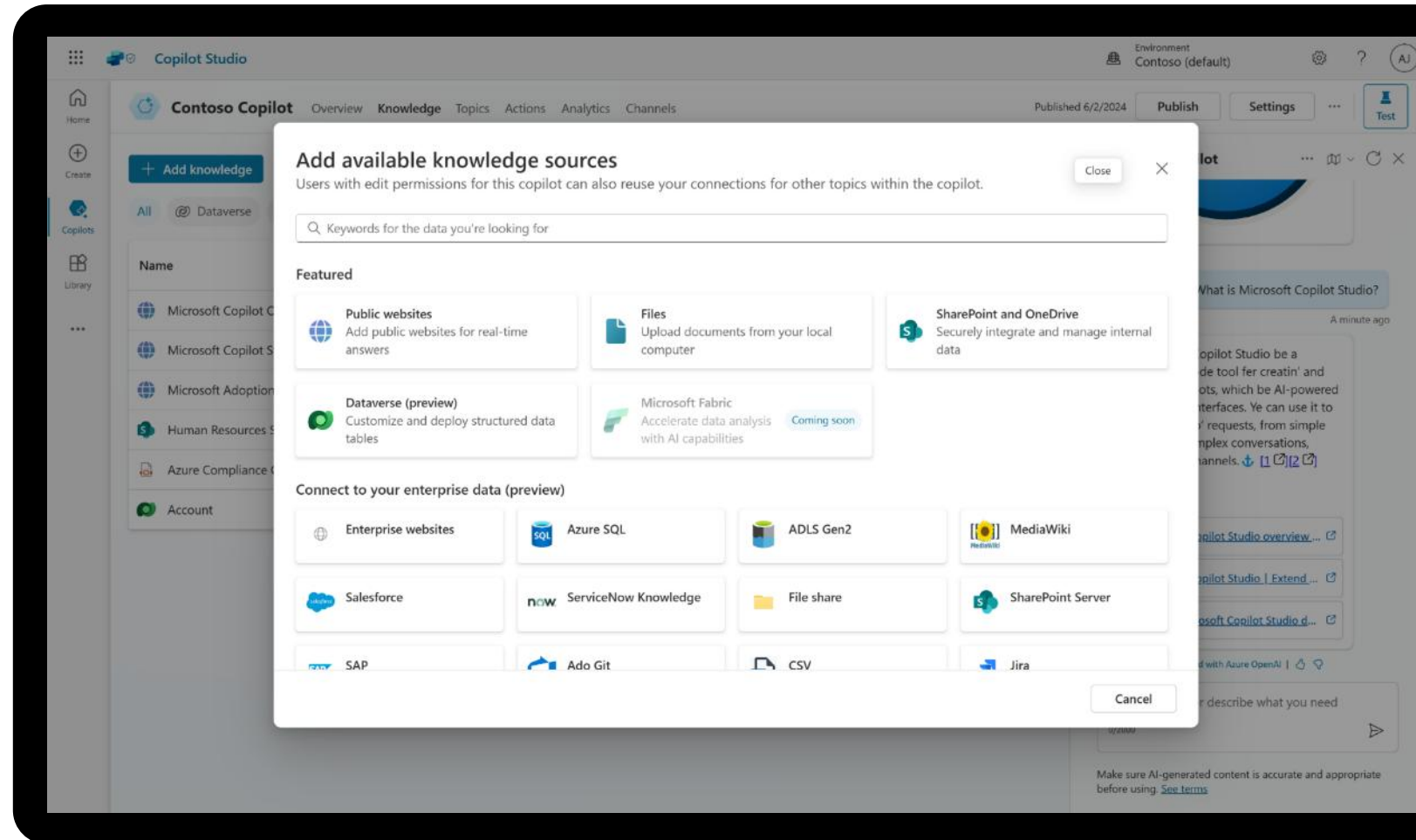
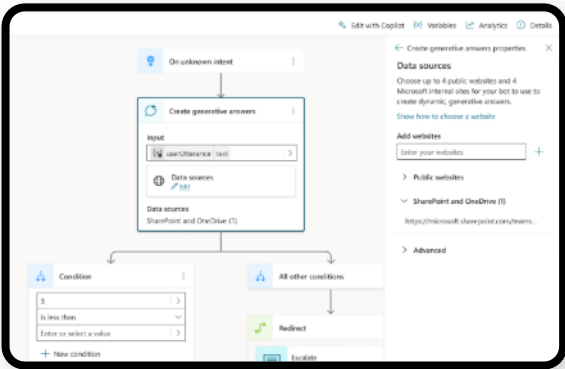
# **Lab 03:** Knowledge sources, AI knowledge, and custom instructions

# Knowledge sources

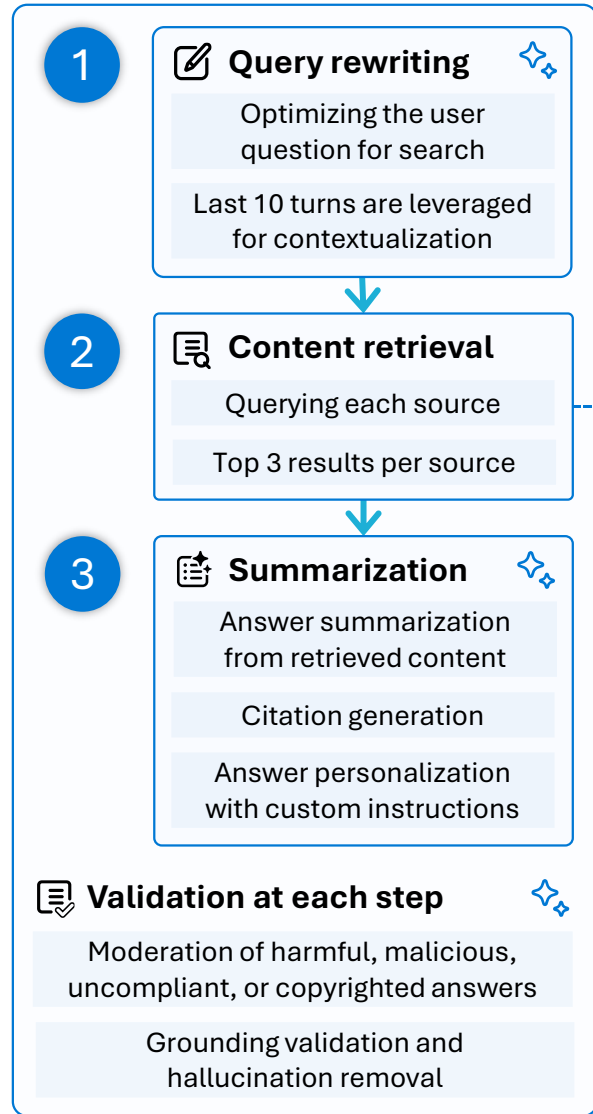
Enable multi-turn chat over your own internal and external knowledge sources and sites with generative answers

Copilots can answer thousands of questions out of the box in seconds

You can even pull data from an API or other backend system and enable generative chat over it



# Knowledge sources & Generative AI



**Public data**

- Websites must be indexed by Bing.
- Bing being a global service, no regional boundary is possible.

<b>Public Website</b>	<ul style="list-style-type: none"> <li>Max 2 subpages depth (/en/help/), no direct pages.</li> </ul>
<b>Bing Custom Search</b>	<ul style="list-style-type: none"> <li>One configuration ID, but it can be set using a formula.</li> <li>Azure costs covered by Microsoft</li> <li>Up to 400 URLs, custom ranking options.</li> <li>Max 2 subpages depth (/en/help/), supports direct pages.</li> </ul>

**SharePoint** Internal only

- Requires the user to be authenticated with Entra ID to make delegated calls to the Graph API.
- Matching files (max 3 MB) are retrieved to get detailed snippets to summarize.
- Security trimming: returned results only include content the user has read access to.
- Users eligible to Microsoft 365 Semantic Index benefit from better results.

**Azure OpenAI on your data** preview

- Returns results from the linked Azure AI Search index (keyword, semantic, and vector search).
- Not a passthrough to Azure OpenAI – generative answers summarization and validation apply.
- Connection isn't delegated: no security trimming, no authentication requirement for the user.
- Can index content from public URLs/web addresses (useful if regional boundary is required).

**Files**

- Files (max 512 MB) are stored in Dataverse file storage and indexed with Dataverse Search.
- Not possible to offer a URL to the source documents in the citations.
- Documents are uploaded at the agent level. Gen Answers node will search across all uploaded documents or none, when disabled at a node level.

**Custom data**

- Requires a step to query the data source – using cloud flows, connectors, or HTTP requests.
- Results are passed as inputs to the generative answers to summarize an answer for the query.
- Input data needs to be in table format, with 3 properties: Content (typically snippets of relevant content), ContentLocation (optional, typically a URL) and Title (optional).











**Dataverse** preview

- Dataverse tables (max 15).
- Natural language queries are transformed in analytical queries (e.g., SQL) over structured data

**Graph Connectors** preview

- Connect to additional enterprise knowledge sources that are indexed in Microsoft Graph.
- Salesforce, ServiceNow, Confluence, Azure DevOps Wiki, etc.

# Generative AI security and compliance considerations

-  The large language models (LLM) Copilot Studio depends upon are the foundation models trained by OpenAI.
-  Generative answers uses GPT-3.5 Turbo for summarization, but will soon be updated to GPT-4o as of Sep 2024.
-  Models are hosted on internal Azure OpenAI services, honoring the Microsoft Services Trust boundary.
-  Models are accessed and used following [Microsoft Responsible AI](#) principles and policies.
-  [Custom instructions](#) can be added to generative answers to influence format and filters.
-  [Data storage and processing](#) for Copilot Studio generative AI capabilities may result in data movement across regional boundaries. When local data storage and processing aren't available in the region, environment settings are available to disable features requiring Azure OpenAI or Bing Search, preventing data movement.
-  Copilot Studio does not collect, nor provide any customer data, for use in the training of LLMs.
-  For operations purposes only, conversations are stored temporarily in a service-operated and secured store so that authorized Microsoft employees via Secure Access Workstations (SAWs) with Just-In-Time (JIT) access requests may respond to support requests. Access can be controlled through [Customer Lockbox](#).
-  Generative AI capabilities log additional troubleshooting data, but only when the thumbs up or down reactions are used by the agent author in the Copilot Studio test pane.
-  Given the existing control layers and to avoid further logging of customer data, [Azure OpenAI abuse monitoring](#) is disabled for Copilot Studio generative AI features.

# Demo Lab 3

## Test your copilot



Hello, I'm Contoso 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.



Help with my order

Help with my incident

Ask a question or describe what you need

0/2000

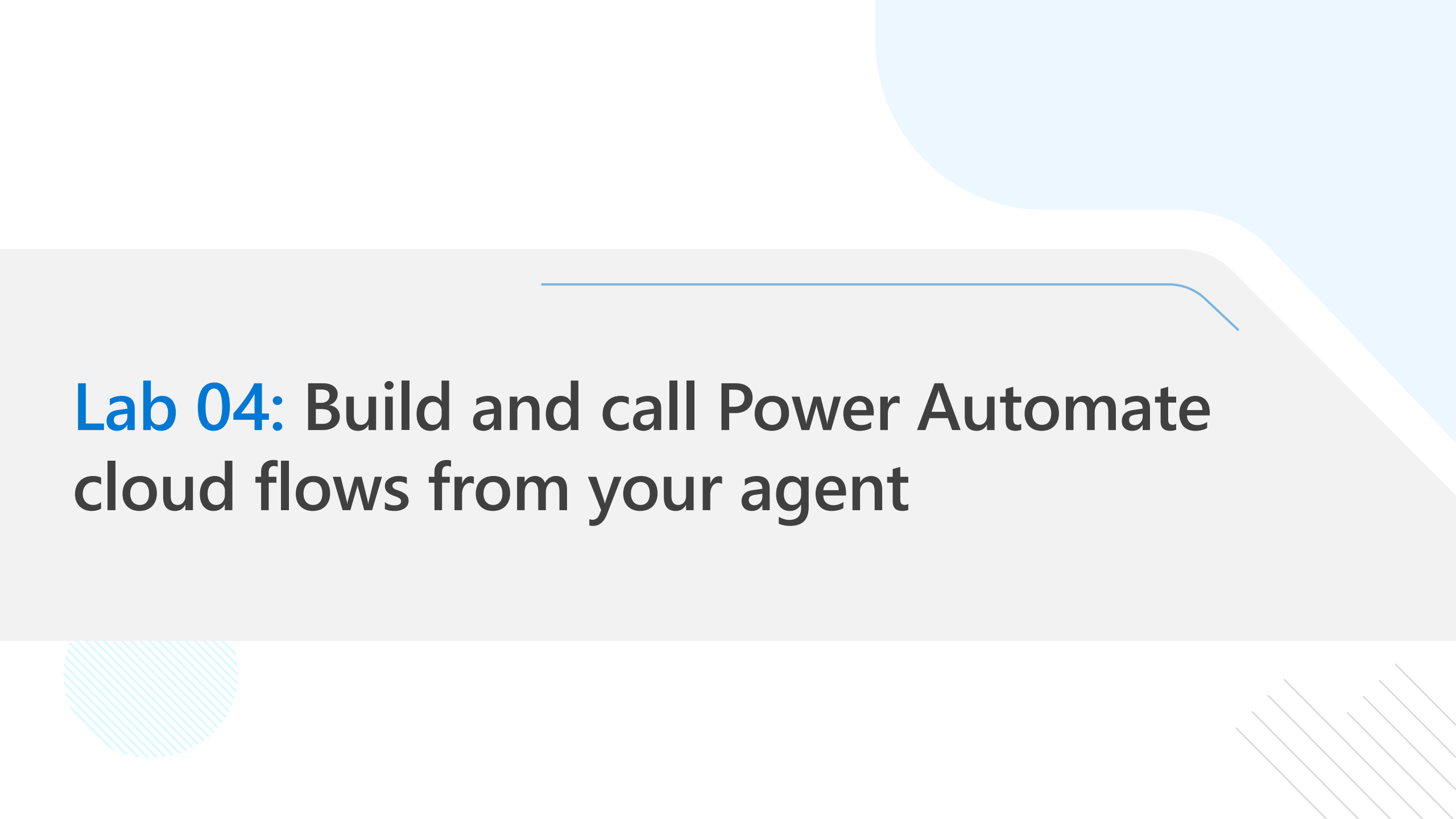


Make sure AI-generated content is accurate and appropriate before using. [See terms](#)

The background features a complex geometric design. On the right side, there are several overlapping triangles and quadrilaterals in various shades of blue, ranging from a light sky blue to a dark navy blue. On the left side, there is a large, light gray trapezoidal shape that overlaps with the blue shapes. The overall composition is clean and modern.

# Lab time!






**Lab 03 [30] minutes**



---

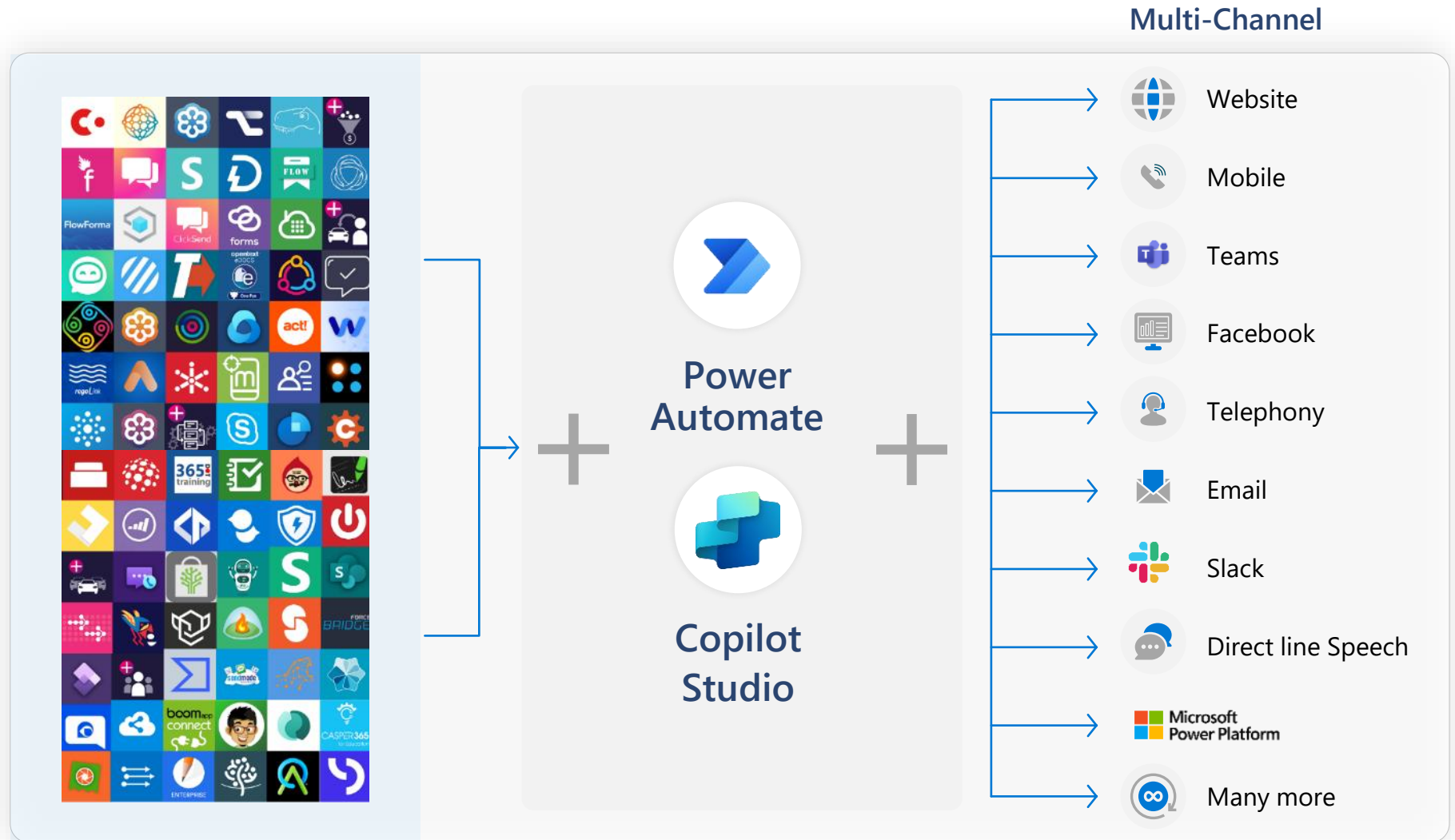
# **Lab 04:** Build and call Power Automate cloud flows from your agent

# Integration patterns considerations

	 <b>Power Automate Cloud flows</b>	 <b>HTTP requests &amp; Connectors</b>	 <b>Bot Framework Skills</b>
	<ul style="list-style-type: none"> <li>✓ No-code / low-code.</li> <li>✓ Clear separation of integration and conversational logic.</li> <li>✓ Can be monitored separately.</li> <li>✓ Existing cloud flows can be updated to integrate with Copilot Studio.</li> </ul>	<ul style="list-style-type: none"> <li>✓ No-code / low-code.</li> <li>✓ Faster runtime execution.</li> <li>✓ Can be monitored as part of Copilot Studio App Insights integration.</li> <li>✓ Can leverage variables, including environment variables and secrets.</li> <li>✓ Variables, conditions, parameters, etc. can use Power Fx formulas.</li> <li>✓ Parsing and error handling support.</li> </ul>	<ul style="list-style-type: none"> <li>✓ Synchronous execution.</li> <li>✓ Support for private endpoints.</li> <li>✓ Existing Bot Framework investments can be reused.</li> </ul>
	<ul style="list-style-type: none"> <li>✓ Invocation and execution of the cloud flow can add latency.</li> <li>✓ If scale/performance are a concern, the higher-tier “Power Automate Process” plan can be evaluated.</li> <li>✓ “Power Automate Process” required for service principal ownership.</li> <li>✓ Need to return results within 100s.</li> </ul>	<ul style="list-style-type: none"> <li>✓ Mixing conversational logic and integration logic, but integration topics can be isolated, as they can be configured for inputs and outputs.</li> <li>✓ Need to return results within 100s.</li> </ul>	<ul style="list-style-type: none"> <li>✓ Pro-code (e.g., C#)</li> <li>✓ Runs in the Azure AI Bot Service.</li> <li>✓ Additional costs need to be covered by an Azure subscription.</li> <li>✓ ALM differs from Power Platform.</li> </ul>

# Power Platform Connectors

- Power Platform, including Power Automate and Copilot Studio, offers great integration capabilities, with more 1,200 native connectors or ways to create your own custom connectors to your APIs.
- For a good end-user experience, cloud flows, HTTP requests and connectors triggered from Copilot Studio must execute quickly so that the user doesn't have to wait too long for the agent to answer.




1200+ prebuilt data connectors

# Demo Lab 4

Test your copilot

Hello, I'm Contoso 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.



Just now

Help with my order Help with my incident

Ask a question or describe what you need

0/2000

Make sure AI-generated content is accurate and appropriate.

19:38

The background features a white upper-left quadrant and a blue lower-right quadrant, separated by a diagonal line. The blue area is composed of several overlapping geometric shapes in different shades of blue, including a dark blue triangle at the bottom right and a lighter blue trapezoid above it. A white rectangular area is positioned on the left side, containing the text.

# Lab time!

**Lab 04 [60] minutes**

The background features a light blue abstract shape in the top right corner and a grey horizontal bar across the middle. A thin blue line is positioned above the grey bar, and a blue circle with diagonal stripes is in the bottom left. Diagonal grey lines are in the bottom right.

# Lab 05: Invoke AI Builder prompts

# AI Prompts

Please enter a valid prompt name

Prompt by AI Builder ? X

### Prompt

+ Insert

Write or paste your text here.

Try these prompts

X

- ☰ Summarize text
- 📄 Extract information from text
- ☰ Classify text
- 😊 Sentiment analysis of text
- 🗣️ Respond to a complaint

🧪 Test prompt

All inputs and data are automatically used to answer. + Insert to fine tune the prompt.

### Prompt settings

- ➔ Input
- 📄 Data used (preview)
- ➔ Output
- ⚙️ Settings

### Prompt response

Waiting for response generation.

AI-generated content may be incorrect. Make sure it's accurate and appropriate before using it. [Read terms](#) 👍 🗨️

Save custom prompt Cancel

# Best practices for prompt instructions

**Be specific:** Custom instructions should be clear and specific, so the agent knows exactly what to do. Avoid vague or ambiguous language that could lead to confusion or incorrect responses.

**Use examples:** Provide examples to illustrate your instructions and help the agent understand your expectations. Examples help the agent generate accurate and relevant responses.

**Keep it simple:** Avoid overloading your custom instructions with too many details or complex logic. Keep your instructions simple and straightforward so the agent can process them effectively.

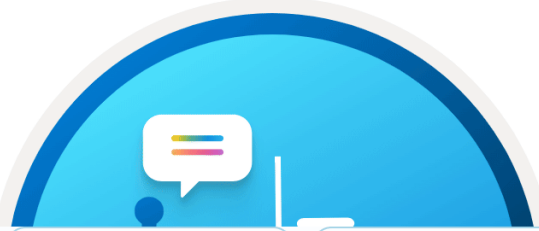
**Give the agent a way out:** Give the agent an alternative path for when it's unable to complete the assigned task. For example, when the user asks a question, you might include "respond with 'not found' if the answer isn't present." This alternative path helps the agent avoid generating false responses.

**Test and refine:** It's important to test your custom instructions thoroughly to ensure they're working as intended. Make adjustments as needed to improve the accuracy and effectiveness of your copilot's responses.

# Demo Lab 5

▸ **Test your copilot** ⋮ ↻ ✕

Hello, I'm Contoso 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.



Help with my order    Help with my incident

Ask a question or describe what you need

0/2000 ➤

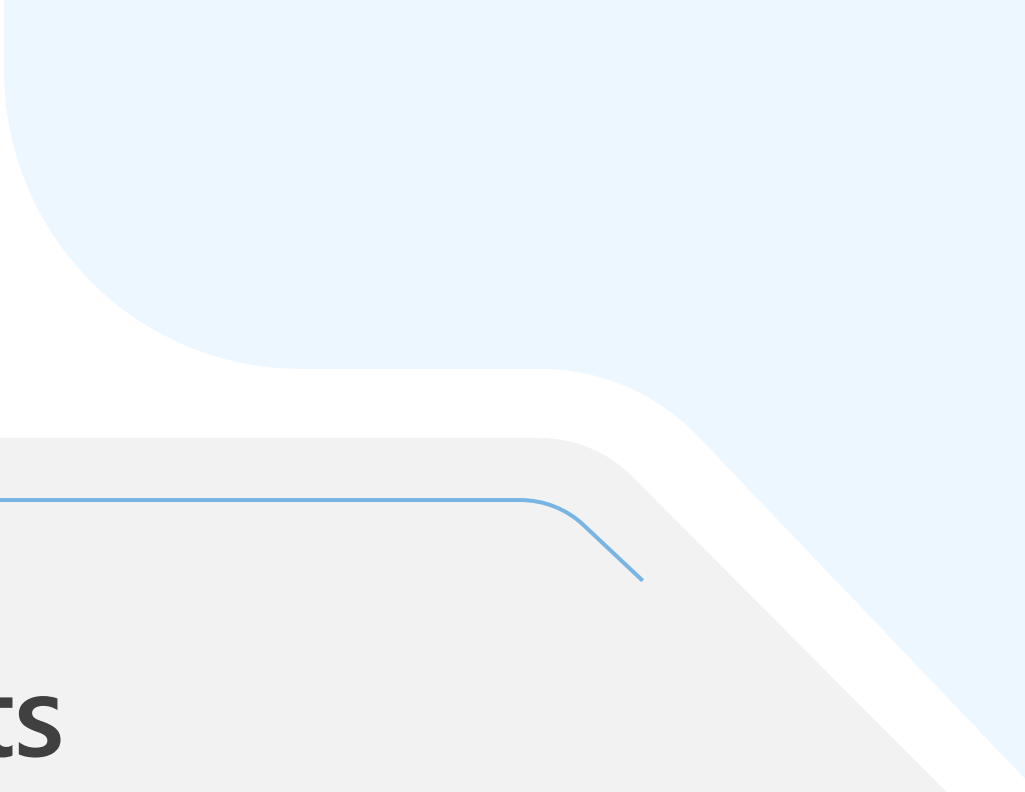
Make sure AI-generated content is accurate and appropriate before using. [See terms](#)

appropriate before using. [See terms](#)

The background features a complex geometric design. A large, light gray horizontal band is positioned in the upper left. The right side of the image is dominated by overlapping triangular and quadrilateral shapes in various shades of blue, ranging from a bright sky blue to a deep navy blue. A white rectangular shape is partially visible at the top right, overlapping the blue shapes.



# Lab time!

**Lab 05 [25] minutes**



---

# Lab 06: Make HTTP requests to connect to an API



# HTTP request

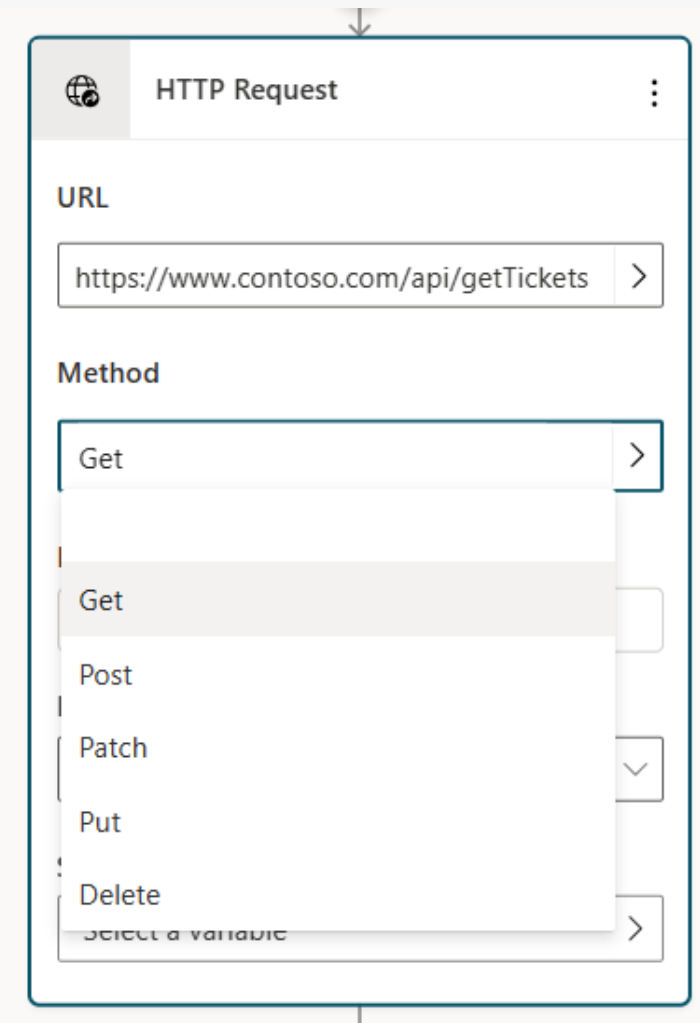
In Copilot Studio, you can extend an agent capabilities by **calling external REST APIs** using the **HTTP** request node.

This call can be helpful when you need to **retrieve data from an external system**.

You can use different **methods** and inject your own **header** and **body**.

The response can be parsed in **JSON** format following a **sample schema**.

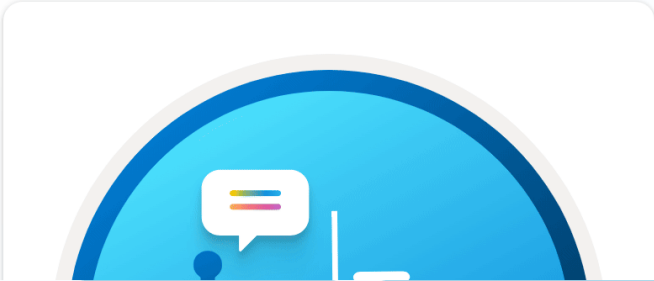
The **HTTP** request node has multiple options for handling situations where the HTTP request might **fail** or **return an error**.



# Demo Lab 6

▸ **Test your copilot** ⋮ ↻ ✕

Hello, I'm Contoso 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.



Help with my order    Help with my incident

Ask a question or describe what you need

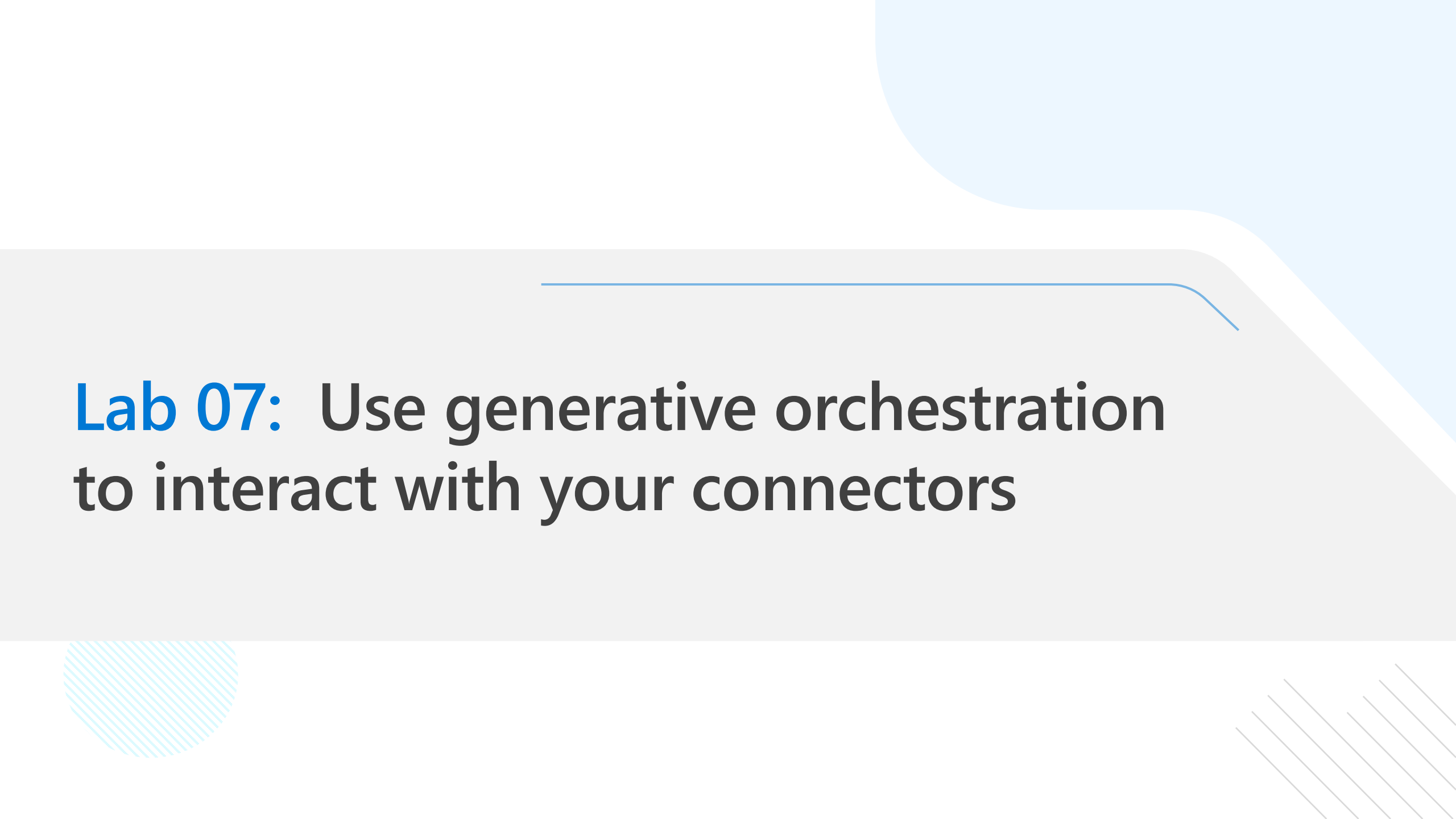
0/2000 ➤

Make sure AI-generated content is accurate and appropriate before using. [See terms](#)

The background features a complex geometric design. On the right side, there are several overlapping triangles and quadrilaterals in various shades of blue, ranging from a light sky blue to a dark navy blue. On the left side, there is a large, light gray trapezoidal shape that overlaps with the blue shapes. The overall composition is clean and modern.

# Lab time!

**Lab 06 [20] minutes**



# **Lab 07:** Use generative orchestration to interact with your connectors

# Generative orchestration

Test and trace feature to see it in action

Dynamically chains actions and topics together to produce actionable responses

Handle multi-intent queries that were not anticipated or built by the user

Automatically slot-fill further details to get the information needed for the task

Powered by the Azure OpenAI Service with LangChain concepts

The screenshot displays the Copilot Studio interface for 'Contoso Copilot'. The top navigation bar includes 'Overview', 'Knowledge', 'Topics', 'Actions', 'Analytics', and 'Channels'. The main area is titled 'Conversation map' and shows a 'Copilot context' box with the instruction: 'Get the forecast for today in London using Get-forecast-for-today (Location has a value from \_query)'. Below this, a 'Get forecast for today' connector is detailed with a description: 'Get the forecast for the current day in the specified location.' The connector has two input slots: 'Units' (String) with the value 'l' and 'Location' (String) with the value 'London'. It has three output slots: 'Moon Phase' (String) with the value 'Waning Crescent', 'Moon Phase Code' (String) with the value 'WaCr', and 'Moonrise Time' (DateTime). A 'Test your copilot' section on the right shows a chat interface with a question: 'What's the weather in London right now? Can you list as much info as you can?' and a response: 'Arrr! The weather in London be mostly cloudy. The high be 67°F and the low be 57°F. The chance of precipitation be 23%. The wind be blowin' from the northwest at 6 knots.' The interface also includes a 'Settings' button and a 'Test' button.

Public Preview

# Demo Lab 7

## ▸ Test your copilot



Hello, I'm Contoso 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.



Help with my order

Help with my incident

Ask a question or describe what you need

0/2000



Make sure AI-generated content is accurate and appropriate before using. [See terms](#)

The background features a complex geometric design. A large, light gray trapezoidal shape is positioned on the left side. The right side of the slide is dominated by several overlapping triangular and quadrilateral shapes in various shades of blue, ranging from a light sky blue to a dark navy blue. The overall aesthetic is clean and modern.

# Lab time!

**Lab 07 [20] minutes**

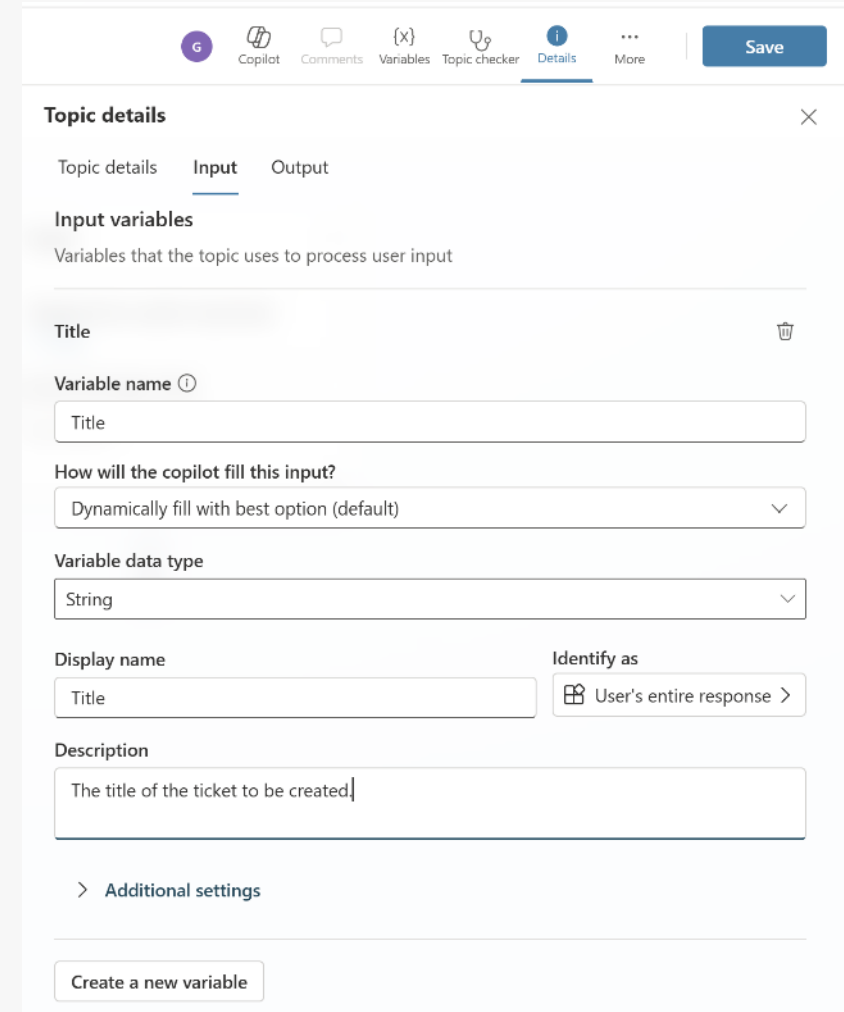


# Lab 08: Using topic inputs

# Topic inputs and outputs

Topics can have **input** and **output** parameters. When a topic redirects to another topic, you can use these parameters to **pass information between topics**.

If your agent uses **generative AI** to decide how to respond to users, it can **automatically fill inputs**, before running the topic, by using conversation **context** or generate **questions** to collect values from the user's response.



The screenshot shows the 'Topic details' configuration interface for an input variable. The interface is divided into 'Input' and 'Output' tabs, with 'Input' selected. Under 'Input variables', there is a section for 'Title' with a trash icon. Below this, the 'Variable name' is set to 'Title'. The 'How will the copilot fill this input?' dropdown is set to 'Dynamically fill with best option (default)'. The 'Variable data type' is set to 'String'. The 'Display name' is 'Title', and the 'Identify as' dropdown is set to 'User's entire response'. The 'Description' field contains the text 'The title of the ticket to be created'. At the bottom, there is a link for '> Additional settings' and a button for 'Create a new variable'.

The background features a complex geometric design. On the right side, there are several overlapping triangles and quadrilaterals in various shades of blue, ranging from a light sky blue to a dark navy blue. On the left side, there is a large, light gray trapezoidal shape that overlaps with the blue shapes. The overall composition is clean and modern.

# Lab time!

**Lab 08 [15] minutes**

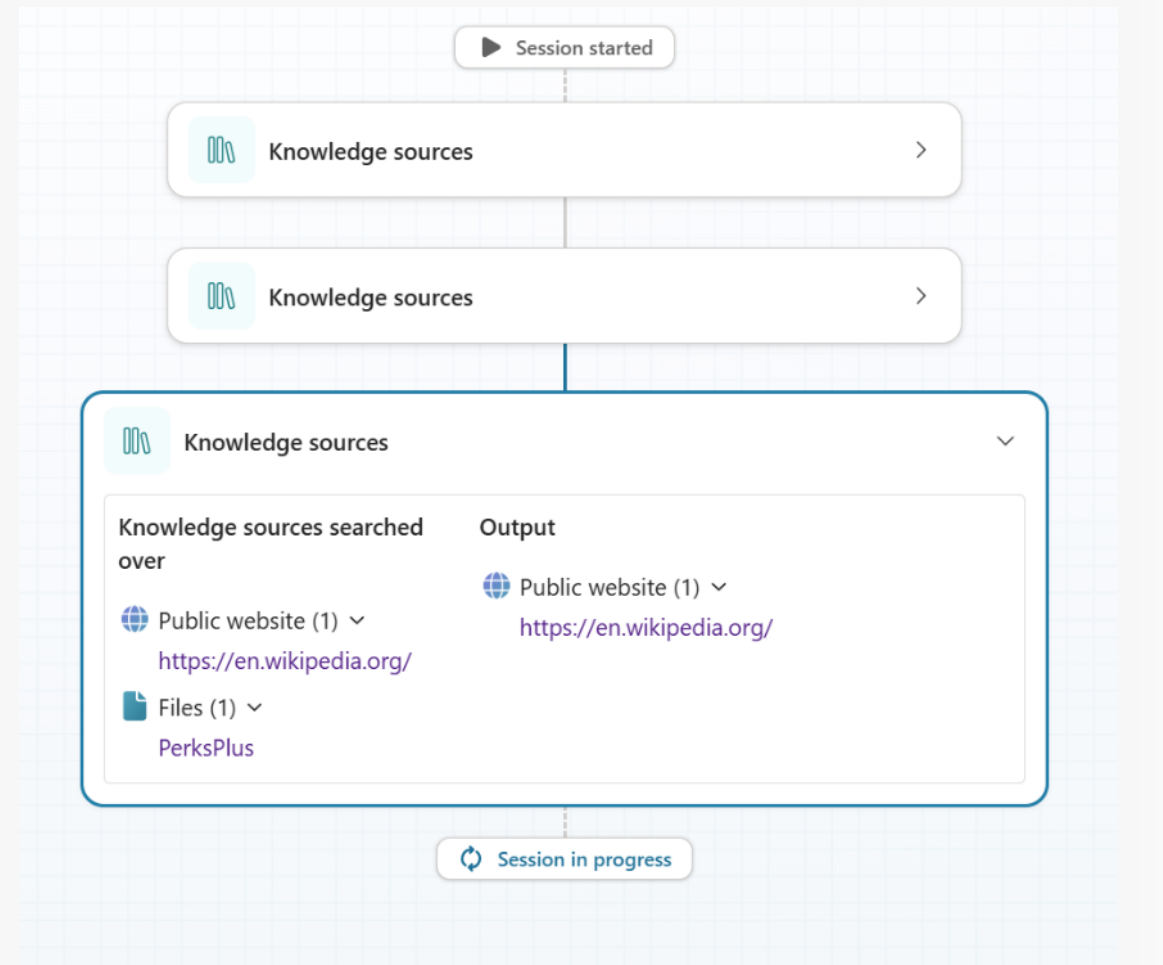


# Lab 09: Advanced generative orchestration

# Advanced generative orchestration

In generative mode, an agent can select **multiple actions or topics** at once, to handle multi-intent **queries**. Once actions and topics are selected, the agent **generates a plan** that determines their execution order.

Once the plan is executed, you can **manipulate the unified response** using the “**plan complete**” trigger.



The background features a complex geometric design. A large, light gray shape, resembling a stylized 'L' or a corner, is positioned on the left side. The rest of the background is composed of various overlapping triangles and polygons in shades of blue, ranging from a bright sky blue to a deep navy blue. The overall aesthetic is clean, modern, and professional.

# Lab time!

**Lab 09 [25] minutes**



**SHARE YOUR FEEDBACK!**

[aka.ms/PPCC2024Workshop](https://aka.ms/PPCC2024Workshop)

**Q&A**



# Resources



# Resources



SCAN ME

[Copilot Studio trial](#)

[aka.ms/TryCopilotStudio](https://aka.ms/TryCopilotStudio)

[Copilot Studio website](#)

[aka.ms/CopilotStudio](https://aka.ms/CopilotStudio)

[Official Blog](#)

[aka.ms/CopilotStudioBlog](https://aka.ms/CopilotStudioBlog)

[Copilot Studio Demo](#)

[aka.ms/CopilotStudioDemo](https://aka.ms/CopilotStudioDemo)

[Copilot Studio Kit](#)

[aka.ms/CopilotStudioKit](https://aka.ms/CopilotStudioKit)

[Product documentation](#)

[aka.ms/CopilotStudioDocs](https://aka.ms/CopilotStudioDocs)

[Product guidance](#)

[aka.ms/CopilotStudioGuidance](https://aka.ms/CopilotStudioGuidance)

[Implementation guide](#)

[aka.ms/CopilotStudioImplementationGuide](https://aka.ms/CopilotStudioImplementationGuide)

[Community](#)

[aka.ms/CopilotStudioCommunity](https://aka.ms/CopilotStudioCommunity)