



Microsoft Copilot Studio

Lab 05: Use dynamic chaining to interact with your APIs

Hands-on lab step-by-step

March 2024

Microsoft Copilot Studio Workshop

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Microsoft Copilot Studio

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Goals for this lab

<p>After this lab you will be able to:</p> <ul style="list-style-type: none">• Create a new topic simply by describing it.• Review and test the newly created topic.	<p>The time to complete this lab is [5] minutes.</p>
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Prerequisites

Please note that some labs, especially later labs, do reference previous labs in reference to capabilities and previous tasks. The labs have been designed so as long you have access to a Microsoft Copilot Studio trial. You can get started from most lab without having to complete the previous module to be able to move forward. However, for the best experience that shows the features and functionality that is possible within the product, it is recommended you have completed specific modules before starting some of the labs.

Exercise 1: Enable dynamic chaining and create an action

Task 1: Enable dynamic chaining in the Generative AI settings

1. Navigate to **Settings** > **Generative AI**
2. Enable **Dynamic chaining with generative actions**
3. **Save**

Task 2: create an action

1. Navigate to **Actions**
2. Select **Add an action**
3. Search for **Weather**
4. Select **Get current weather**
5. Let the connection get created and click **Continue**
6. Select **Next**
7. **Edit** the **Action details**
8. Plugin action name: **Get current weather**
9. Model description: **Get the current weather for a city**
10. Select **Back**
11. **Edit** the **Inputs**
12. Change **Location** to **City**, update the Description to **City for the weather**
13. Change **Units** to **Set as a value** > **I**
14. Select **Back**
15. **Save**

Exercise 2: Test dynamic chaining

Task 1: enable the dynamic chain log

1. In the test pane, click on the **stars** icon

Task 2: test dynamic chaining

1. Ask: **"What's the weather in Berlin?"**
2. Ask **"Give me more details"**
3. Ask **"What is the wind direction and UV index?"**
4. Ask **"What about in Paris?"**

The screenshot displays the Microsoft Copilot Studio interface. On the left is the 'Test copilot' pane, and on the right is the 'Tracing mode' pane.

Test copilot pane: The chat history shows the following interactions:

- User: "What's the weather in Berlin?" (A minute ago)
- AI: "The wind speed is 130 degrees and the UV index is Low. The visibility is 35.2 miles. The air quality is good with an AQI of 36. The UV index is low." (A minute ago)
- User: "What is the wind direction and UV index?" (Just now)
- AI: "The wind direction is 130 degrees and the UV index is Low." (Just now)
- User: "What about in Paris?" (Just now)
- AI: "In Paris, France, the current temperature is 46.0°F and the wind speed is 3.0 mph." (Just now)

Tracing mode pane: This pane shows the dynamic chaining process as a sequence of steps connected by arrows:

- Dynamic chain log**: "The tracing mode lets you view how dynamic chaining works as it's happening. Chat with the test bot to get started." (AI generated)
- Dynamic chain log**: "Get the current weather for Paris using Get-current-weather tool" (AI generated)
- Get current weather**: "Get the current weather for a location." (Tool call)

The 'Get current weather' tool call is expanded, showing the following inputs:

- Inputs (2):**
 - Location** (String): Paris
 - Units** (String): I
- Outputs (0):**

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