For replication:

STEP 1

Deploy An Agent with OpenAPI tools to (new) Foundry.

Our Test:

Loads 3 OpenAPI specs from local JSON files
Initializes AIProjectClient with project endpoint.

Constructs OpenAPI tools array with:

Tool type: "openapi"

Each tool includes: name, spec (full OpenAPI JSON), description, auth type ("anonymous")

Creates agent definition dictionary with:

kind: "prompt"

model: GPT-4o deployment name

instructions: Agent system prompt

tools: OpenAPI tools array

Deploys agent via project_client.agents.create(name=…, definition=…)

Agent is successfully deployed and visible in Foundry.

Name	Version	Type	Created on	D
BugReportAgent	1	prompt	2/13/26, 9:26:04 AM	--

With tools:

Note: These tools DO NOT appear in the Tool tab.

STEP 2

Create a tool in (new) Foundry.

Click Connect a tool on tool tab.

Custom -> OpenAPI Tool -> Create

Create an OpenAPI tool

Connection ⌄

Connection *

Add a new connection ⌄

Credential *

None	:	Enter value

OpenAPI 3.0+ schema *

```
1 ⌄ {
2      "openapi": "3.0.0",
3 ⌄    "info": {
4        "title": "Testing API",
5        "version": "1.0.0",
6        "description": "A simple tool for testing APIs."
7      },
8 ⌄    "paths": {
9 ⌄      "/fake-action": {
10 ⌄       "post": {
11           "summary": "Perform an action",
12           "description": "Executes an action and returns a result.",
13 ⌄         "requestBody": {
```

Create tool   Cancel

STEP 3

Observe that the tool, although named specifically and not added to any agents, is immediately attached to already existing agents that have OpenAPI custom tools, including the one that we created earlier with completely unrelated tools:

BugReportFoundryTool Last updated: 2/13/2026

Details

Connect your Azure AI Agent to external APIs using functions with an OpenAPI 3.0 specification.

Key

```
••••••••••
```
✏ Edit

Project connection ID

```
/subscriptions/45e3eb90-4d07-4de8-9024-eded9f517a84/resourceGroups/rg-aihub-dev-eastus/providers/Microsof
t.CognitiveServices/accounts/aif-askinsight-dev-eastus/projects/proj-askinsight-dev-eastus/connections/Bu
gReportFoundryTool
```

Used in agents

Name	Modified on
BugReportAgent	-
CalculationAPIAgent	-

1-2 of 2   ‹ Prev   Next ›

Additionally, when we click Use in an Agent, we have to redefine the tool entirely:

Update OpenAPI tool

When generating responses, the model will access tools you've added and will use the tool name, description, and the spec to determine.
Third-party services you connect to via OpenAPI are Non-Microsoft Products under the Product Terms. Use third-party services at your own risk and subject to third-party license terms and privacy policies. Learn more ⧉
OpenAPI tool samples ⧉

Name *

BugReportFoundryTool

Description *

OpenAPI tool

Authentication method *

Connection ⌄

Connection *

BugReportFoundryTool ⌄

OpenAPI 3.0+ schema *

```
1   Paste your OpenAPI 3.0+ schema here...
```

Update tool   Cancel

STEP 4:

When we go to delete the tool,

Are you sure you want to delete this tool?

This action cannot be undone. The tool will be removed from the following agents:

BugReportAgent

CalculationAPIAgent

Delete tool   Cancel

The tool is now deleted from all agents that have ANY OpenAPI tool:

Instructions ⌄

You are a calculation API assistant with access to three powerful APIs.

Your tools:
1. get_calculation_log - Retrieve calculation logs and execution

Tools   Add ⌄   ⌃

Connect tools to your agent for faster access to key information and improved efficiency. Learn more ⧉ about best practices.

Upload files

Knowledge   ⌄

Memory   ⌄

Guardrails   ⌄