



#Milano



Building Intelligent Agents on Azure: from local dev to production with Aspire

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#Milano

improve



TD SYNnex

Grazie ai nostri sponsor

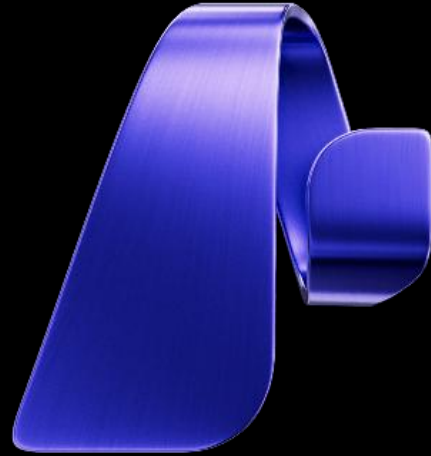


MEET YOUR TOOLS



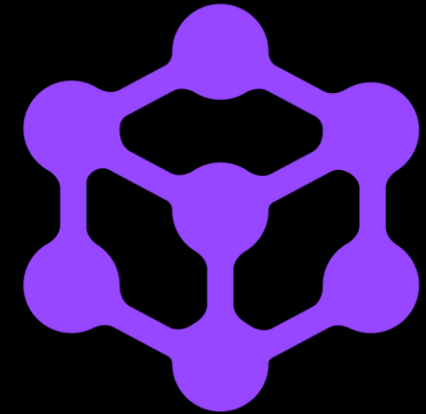
Aspire

- Define your stack in code
- Plugin in anything, ship faster
- Local Telemetry at a glance



Microsoft Foundry

- Model Hosting
- Agent Hosting
- Fine Tool Models
- Define Common Tools



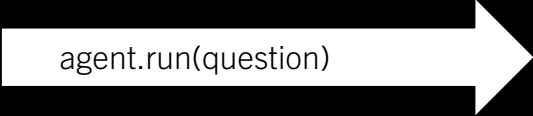
Microsoft Agent Framework

- Define and run agents
- Wraps A2A, Foundry, Copilot, ...
- Easy host via A2A, Foundry, ...

WHAT IS AN AGENT?

ChatAgent


`agent.run(question)`



Invoke LLM via HTTP

CopilotAgent


`agent.run(question)`



Invoke remote copilot agent via Copilot SDK

A2Agent

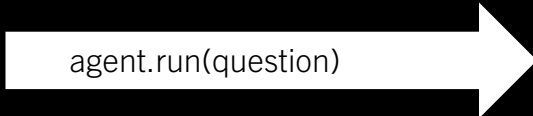
`agent.run(question)`



Invoke remote agent via A2A SDK

FoundryAgent


`agent.run(question)`



Invoke remote Foundry hosted agent via Foundry SDK

Workflow

`agent.run(question)`



Invoke every agent in workflow according to rules

FOUNDRY PROMPT AGENTS

Microsoft Foundry / tstocchi-project New Foundry Home Discover **Build** Operate Docs 🔍 🔄 🔔 😊 👤

Agents Models Fine-tune Tools Knowledge Data Evaluations Guardrails

← JokerAgent v1 saved 11/20/2025 1:13 PM Save Preview Publish

Playground Traces Monitor Evaluation

Model: gpt-4.1 ⌵ ⚙️

Voice mode Preview
Switch the agent to a voice-first experience.

Instructions ⌵

You are good at telling jokes.V2

Tools ⌵

Connect tools to your agent for faster access to key information and improved efficiency. [Learn more](#) about best practices.

Add Upload files

Knowledge Preview ⌵

Memory Preview ⌵

Chat YAML Code Metrics ⚙️ +

JokerAgent

Use agent configuration to update the description and starter prompts

Message the agent... 📎 ➤

AI-generated content may be incorrect

FOUNDRY HOSTED AGENTS

Agents

Models

Fine-tune

Tools

Knowledge

Data

Evaluations

Guardrails

← weather-hosted-agent-ha

v1 saved 4/8/2026 8:17 PM

Save

Preview

Publish



Playground Traces Monitor Evaluation

Version details

Version	Agent type
v1	hosted
Created on	ID
4/8/2026 8:17 PM	weather-hosted-agent-ha:1
Code asset	
projglobalazureacrpwktbzcglpopc.azurecr.io/weather-hosted-agent:aspire-deploy-20260408181529	

Deployment details

Status	N/A
Min. replicas	Max. replicas
N/A	N/A

Chat

Code

Log stream

Metrics



weather-hosted-agent-ha

Hosted Agent

Message the agent...



AI-generated content may be incorrect



HOW TO USE FOUNDRY AGENTS

CREATE OR GET PROMPT AGENT

```
AIAgent agent =  
    new AIProjectClient(new Uri(endpoint), new DefaultAzureCredential())  
        .AsAIAgent(model: deploymentName, instructions: "You are good at telling  
jokes.", name: "JokerAgent");
```

CREATE OR GET PROMPT AGENT WITH TOOLS

```
BingCustomSearchToolOptions bingCustomSearchToolParameters = new([
    new BingCustomSearchConfiguration(connectionId, instanceName)
]);

AIProjectClient aiProjectClient = new(new Uri(endpoint), new
DefaultAzureCredential());

IAgent agent = aiProjectClient.AsIAgent(deploymentName,
    instructions: AgentInstructions,
    name: "BingCustomSearchAgent-RAPI",
    tools:
[FoundryAITool.CreateBingCustomSearchTool(bingCustomSearchToolParameters)]);
```

GET EXISTING GENERIC FOUNDRY AGENT

```
AIProjectClient aiProjectClient = new(new Uri(endpoint), new  
DefaultAzureCredential());  
AIAgent aiFoundryAgent = await aiFoundryAgentsClient.GetAIAgentAsync(agentId);
```

WHAT ABOUT CUSTOM AGENTS?

ASPIRE + MAF DEMO

(AI)PineAI Ski Resort Dashboard

Weather

Temperature
-4.9°C

Wind Speed
20.7 km/h

Snow Intensity
0.9 cm/h

Visibility
9712 m



Safety

 Moderate





Avalanche Risk Index: 0.21 / 1.0

AI Advisor

+ New Chat

Ask the AlpineAI advisor about conditions, recommendations, or safety info.

Slopes & Lifts

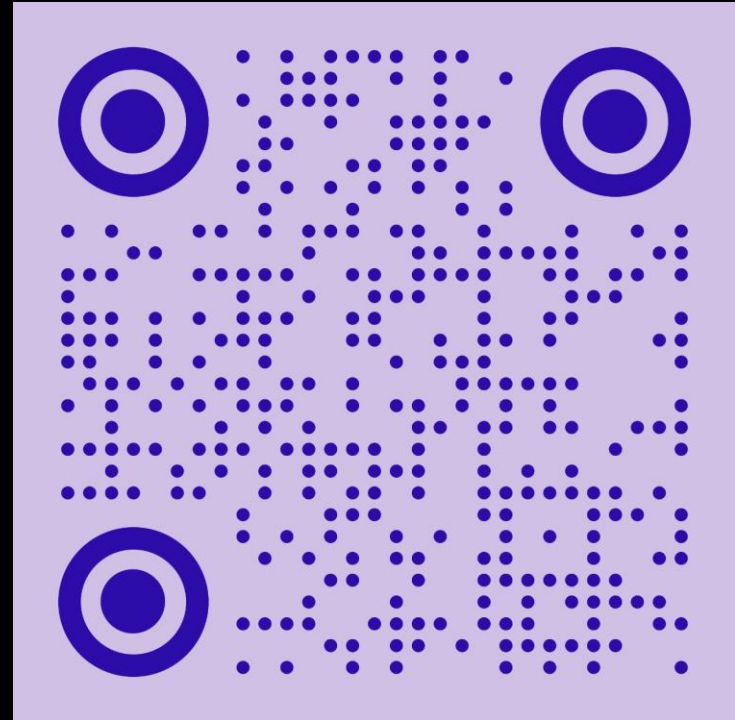
-  Summit Gondola 0.4 min 15 Open
-  Summit Chute 137.3 cm Open
-  Avalanche Alley 118.9 cm Open
-  Alpine Express 1.1 min 33 Open

Ask the AI advisor...

Send

<https://github.com/tommasodotNET/ski-resort-demo>
<https://github.com/tommasodotNET/global-azure-26>

THANKS!





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Slide e video:

<https://www.globalazuremilano.it>

