

```
agent = project_client.agents.create_version(  
    agent_name=agent_name,  
    definition=PromptAgentDefinition(  
        model=agent_model,  
        instructions=instructions,  
        tools=[mcp_kb_tool]  
    )  
)  
  
print(f"AI agent '{agent_name}' created or updated successfully")
```

[17] ✓ 2.4s

... AI agent 'earth-knowledge-agent' created or updated successfully

## Create an agent with the MCP tool

In Foundry Agent Service, an agent is a smart micro-service that can use an LLM with tools. The purpose of this agent is to use retrieval tools from the knowledge base to perform RAG.

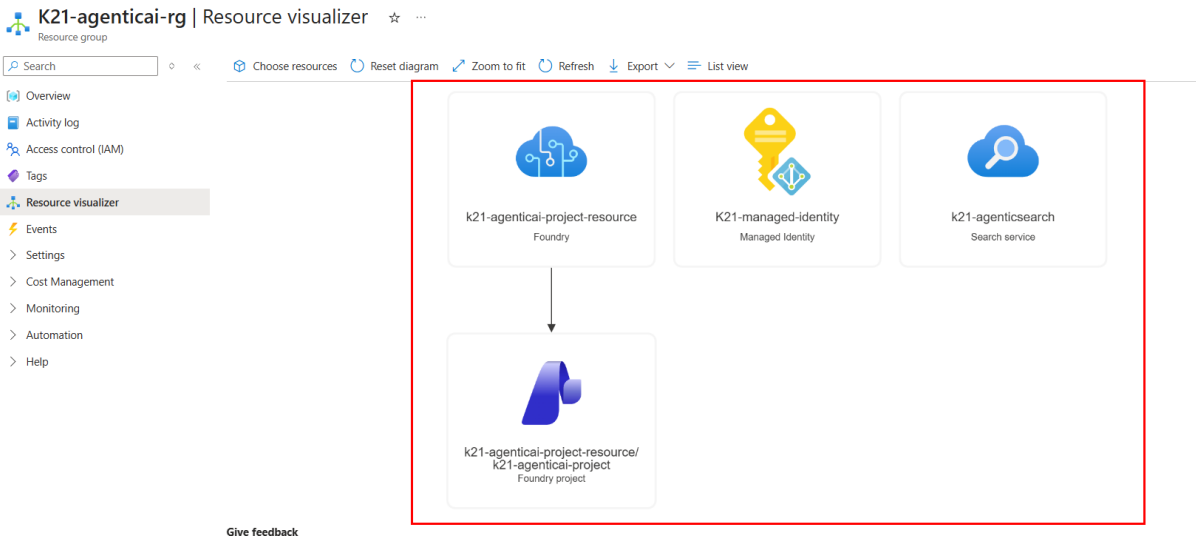
### Optimize agent instructions for knowledge retrieval

To maximize the accuracy of knowledge base invocations and ensure proper citation formatting, use optimized agent instructions. Based on our experiments we recommend the following instruction template as a starting point:

```
You are a helpful assistant that must use the knowledge base to answer all the questions from user. You must never answer from your own knowledge under any circumstances.  
Every answer must always provide annotations for using the MCP knowledge base tool and render them as: `[message_idx:search_idx+source_name]`  
If you cannot find the answer in the provided knowledge base you must respond with "I don't know".
```

The specified citation format ensures the agent includes provenance information in responses, making it clear which knowledge sources were used.

```
from azure.ai.projects.models import PromptAgentDefinition, MCPTool  
  
instructions = """  
You are a helpful assistant that must use the knowledge base to answer all the questions from user. You must never answer from your own knowledge  
Every answer must always provide annotations for using the MCP knowledge base tool and render them as: `[message_idx:search_idx+source_name]`  
If you cannot find the answer in the provided knowledge base you must respond with "I don't know".  
"""
```



## Models

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🔍 Search

	Name	Model	Version	Deployment status	Deployment type
<input type="radio"/>	<a href="#">text-embedding-3-large</a>	text-embedding-3-large	1	Succeeded	Global Standard
<input type="radio"/>	<a href="#">gpt-4.1-mini</a>	gpt-4.1-mini	2025-04-14	Succeeded	Global Standard

1-2 of 2

# Add user assigned managed identity






Select a subscription \*


Microsoft Partner Network - Surbhi K21

User assigned managed identities

Filter by identity name and/or resource group name

-  **K21-managed-identity**  
Resource Group: K21-agenticai-rg
-  [blurred]
-  [blurred]

Selected identities:

-  **K21-managed-identity**  
Resource Group: K21-agenticai-rg  
Subscription: Microsoft Partner Network - Surbhi K21 [Remove](#)



Add

Search

- Overview
- Activity log
- Access control (IAM)
- Tags
- Diagnose and solve problems
- Resource visualizer
- > Agentic retrieval
- > Search management
- Settings

System assigned User assigned

A system assigned managed identity is restricted to one per resource and is tied to identity is authenticated with Microsoft Entra ID, so you don't have to store any

Save Discard Refresh Got feedback?

Status ⓘ

Off On

Search

- Overview
- Activity log
- Access control (IAM)
- Tags
- Diagnose and solve problems
- Resource visualizer
- > Agentic retrieval
- > Search management
- Settings
  - Premium features
  - Knowledge Center
  - Keys
  - Scale
  - Search traffic analytics
  - Identity

API Access control

- API keys
- Role-based access control ⓘ
- Both

Manage admin keys

Primary admin key

..... Regenerate

Secondary admin key

..... Regenerate

Manage query keys

+ Add Delete

Name	Key
------	-----