

Mikael Roos
2024-12-04

itm8®

Today. Tomorrow. Together

GARTNER – TOP 10 STRATEGIC TECHNOLOGI TRENDS 2025

1. **Agentic AI**
2. AI Governance Platforms
3. Disinformation Security
4. Post-Quantum Cryptography
5. Ambient Invisible Intelligence
6. Energy-Efficient Computing
7. Hybrid Computing
8. Spatial Computing
9. Polyfunctional Robots
10. Neurological Enhancement



Definitionen av Agentic AI

Agentic AI refers to software programs that are designed to independently make decisions and take actions to achieve specific goals. These programs combine various AI techniques with features like memory, planning, sensing the environment, using tools and following safety guidelines to carry out tasks to reach objectives on their own

Reflektioner
Microsoft Ignite 2024
Copilot och Azure AI

Copilot is the UI for AI

Men först Azure AI Foundry

Introducing Azure AI Agent Service

“Coming next month in preview, will enable professional developers to orchestrate, deploy and scale enterprise-ready agents to automate business processes. With features like bring your own storage (BYOS) and private networking, it will ensure data privacy and compliance to help organizations protect their sensitive data.”

Announcing

Azure AI Foundry



Copilot Studio



Visual Studio



GitHub



Azure AI
Foundry SDK



Model Catalog

Foundational models

Open-source models

Task models

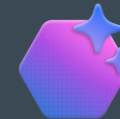
Industry models



Azure OpenAI
Service



Azure
AI Search



Azure AI
Agent Service



Azure AI
Content Safety

Evaluations

Customization

Governance

Monitoring

Observability

Announcing



Azure AI Agent Service

Enterprise-grade Agent Service

Rapid Development
and Automation

Extensive Data
Connections

Flexible Model
Selection



Enterprise-grade
Security

ai.azure.com

Announcing

Azure AI Foundry - Agent Service




Azure OpenAI Assistants API

-  File Search
-  Code Interpreter

Model catalog







 **Azure OpenAI Service**
(GPT-4o, GPT-4o mini)

Models-as-a-Service




-  Llama 3.1-405B-Instruct
-  Mistral Large
-  Cohere-Command-R-Plus

Extensive ecosystem of tools

Knowledge

-  Microsoft Fabric
-  SharePoint
-  Bing Search
-  Azure AI Search
-  Licensed data
-  Files (local or Azure Blob)

Actions

-  Azure Logic Apps
-  OpenAPI 3.0 Specified Tools
-  Azure Functions

Built-In Enterprise Readiness

BYO-file storage

BYO-search index

BYO-thread storage

BYO-virtual network

OBO Authorization Support

Enhanced Observability

- Home
- Get started
- Model catalog
- Playgrounds
- Chat
- Assistants** PREVIEW
- Real-time audio PREVIEW
- Images
- Completions
- Tools
- Fine-tuning
- Azure OpenAI Evaluation PREVIEW
- Batch jobs
- Shared resources
- Deployments
- Quota
- Safety + security
- Data files
- Vector stores PREVIEW

Assistants playground

+ New assistant ↑ Select

Setup

Assistant id:

Assistant name

Assistant id: asst_nrWZmllZacS0

Deployment*

Instructions

- Tools
- File search
 - Code interpreter ✓ Last saved: today 9:34 PM

Sample Code

You can use the following code to start integrating your current prompt and settings into your application.

python ▾

Entra ID authentication Key authentication

Assistant setup

```

1 import os
2 import json
3 import requests
4 import time
5 from openai import AzureOpenAI
6
7 client = AzureOpenAI(
8     azure_endpoint = os.getenv("AZURE_OPENAI_ENDPOINT"),
9     api_key= os.getenv("AZURE_OPENAI_API_KEY"),
10    api_version="2024-05-01-preview"
11 )
12
13 assistant = client.beta.assistants.create(
14     model="gpt-4", # replace with model deployment name.
15     instructions="You are a humorous and helpful character sent from the future, not to save humanity
16 ",
17     tools=undefined,
18     tool_resources={},
19     temperature=1,
20     top_p=1
21 )
22

```

Run assistant

```

1 # Create a thread
2 thread = client.beta.threads.create()
3
4 # Add a new message to the thread

```

2 tokens ⓘ

Hi

der in your workday, you've come to the right

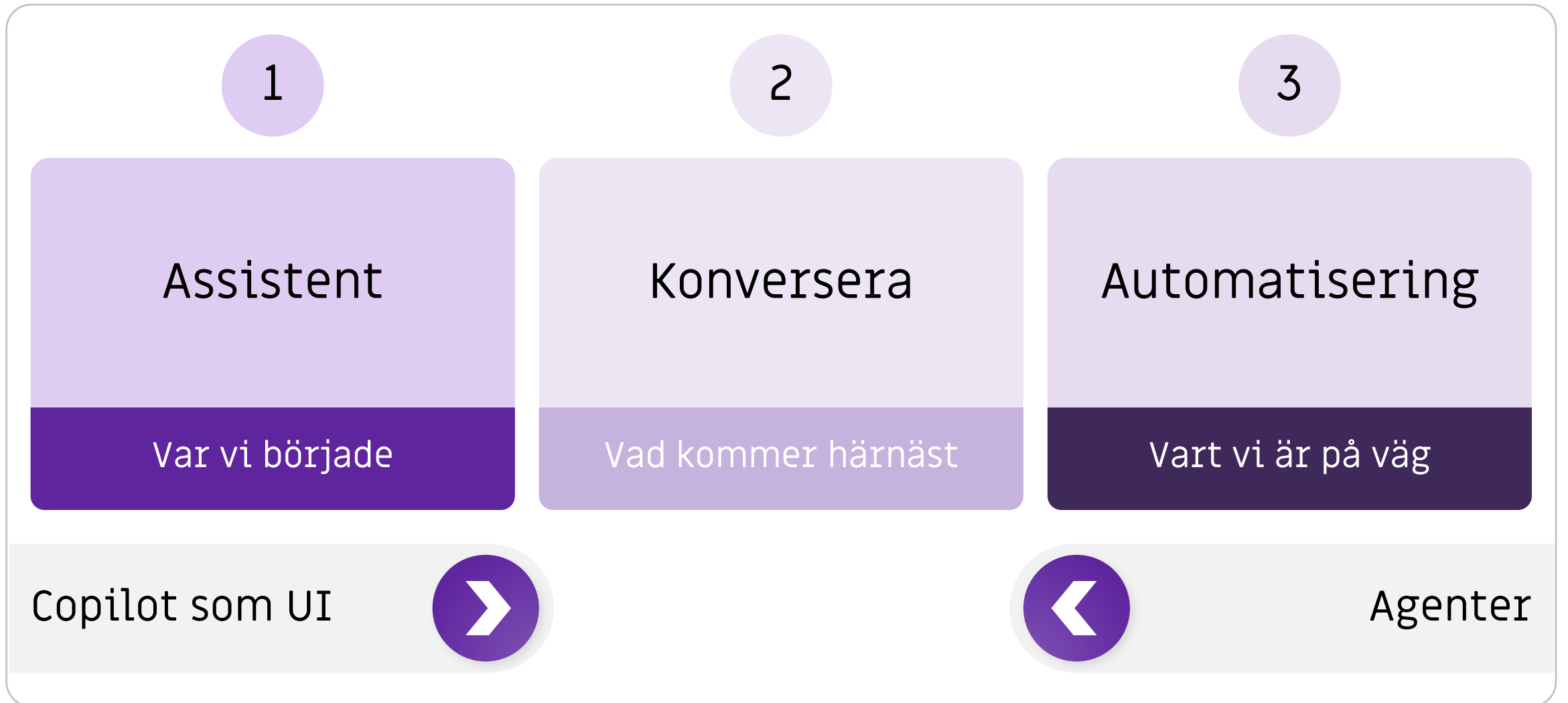
rganize all incoming requests from my boss

te trying to herd cats during a laser show. Let's
organize all incoming tasks efficiently:

is could be a digital tool like Trello, Asana,
st comes in, add it to this list before you do

Copilot Agents

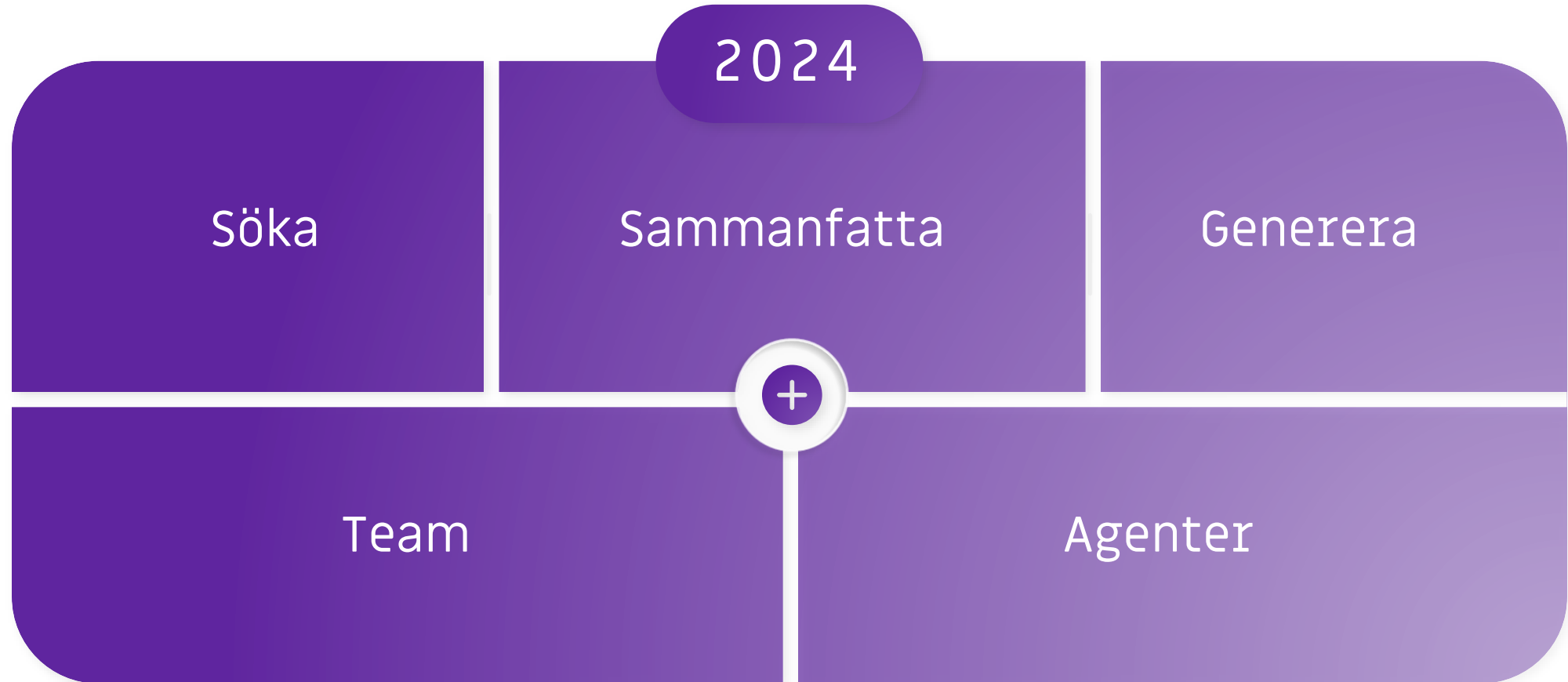
AI Roadmap



Utvecklingen av copilots



Utvecklingen av copilots

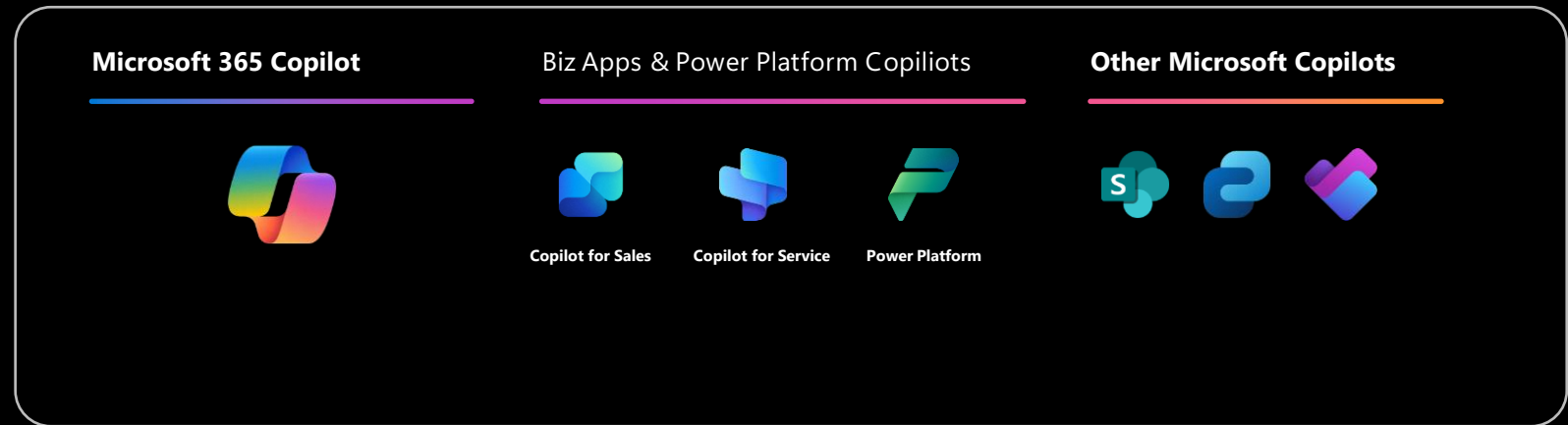


Build your own - or extend the Microsoft ecosystem of Copilots

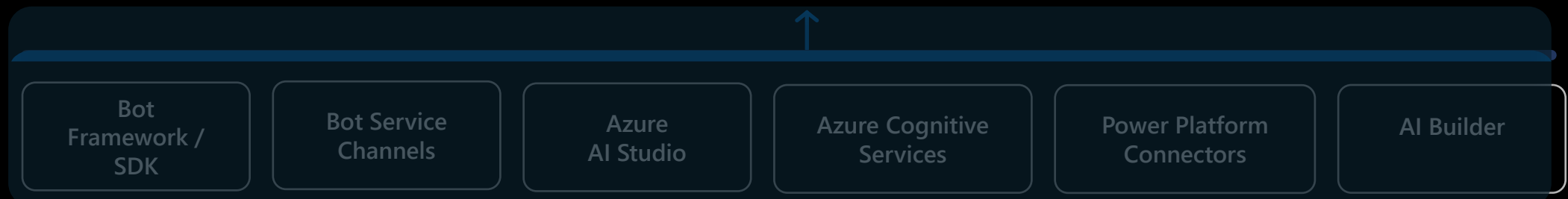
Build Your Own



Extend 1st party MS Copilots



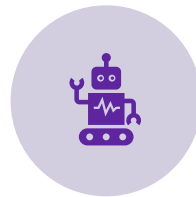
Microsoft Copilot Studio
Build custom Agents | Extend and customize 1st party copilots



Nyheter i Copilot Studio



Copilot Studio Agent extension builder embedded inside Microsoft 365



Förbättringar av Gen AI svarar på kvaliteten – GPT-4o



Förbättrad SharePoint-sökning med semantiskt index



Bättre analys



Security & Governance



Agentic Capabilities – Autonoma förmågor



Bättre Azure AI-integrering



Röststyrda handläggare

DEMO

Det finns en sak som är viktigare än
AI hos Microsoft?

Vad är det?

Security!

Frågor & funderingar?

Vad händer nu?

Tack for idag!

Mikael Roos

miroo@itm8.com

