

Einführung in die Entwicklung von Pro-Code Agents:

- **Microsoft 365 Agents Toolkit**
- **Microsoft Foundry**
- **Microsoft Agent Framework**



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Worldwide Education & Professional Services



Microsoft Cloud
Training Services

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ALEXANDER KASTIL

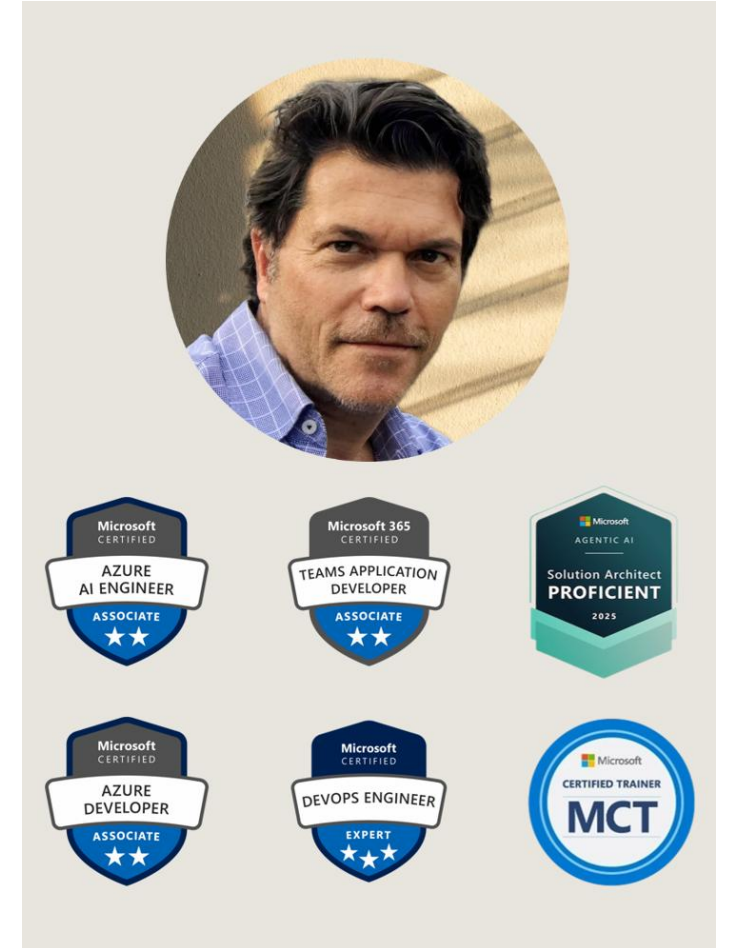
- Microsoft Certified Trainer since 2000
- Microsoft Agents Framework & Azure AI Foundry Agent Service
- Low-Code & Pro-Code Agents for Copilot for Microsoft 365
- Microsoft 365-, Teams-, SharePoint- & Microsoft Graph
- Azure Cloud Native Apps with .NET Aspire & Dapr
- GitHub Copilot Agentic Software Engineering
- Azure DevOps & Infrastructure as Code
- Angular & Micro Frontends



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AGENDA

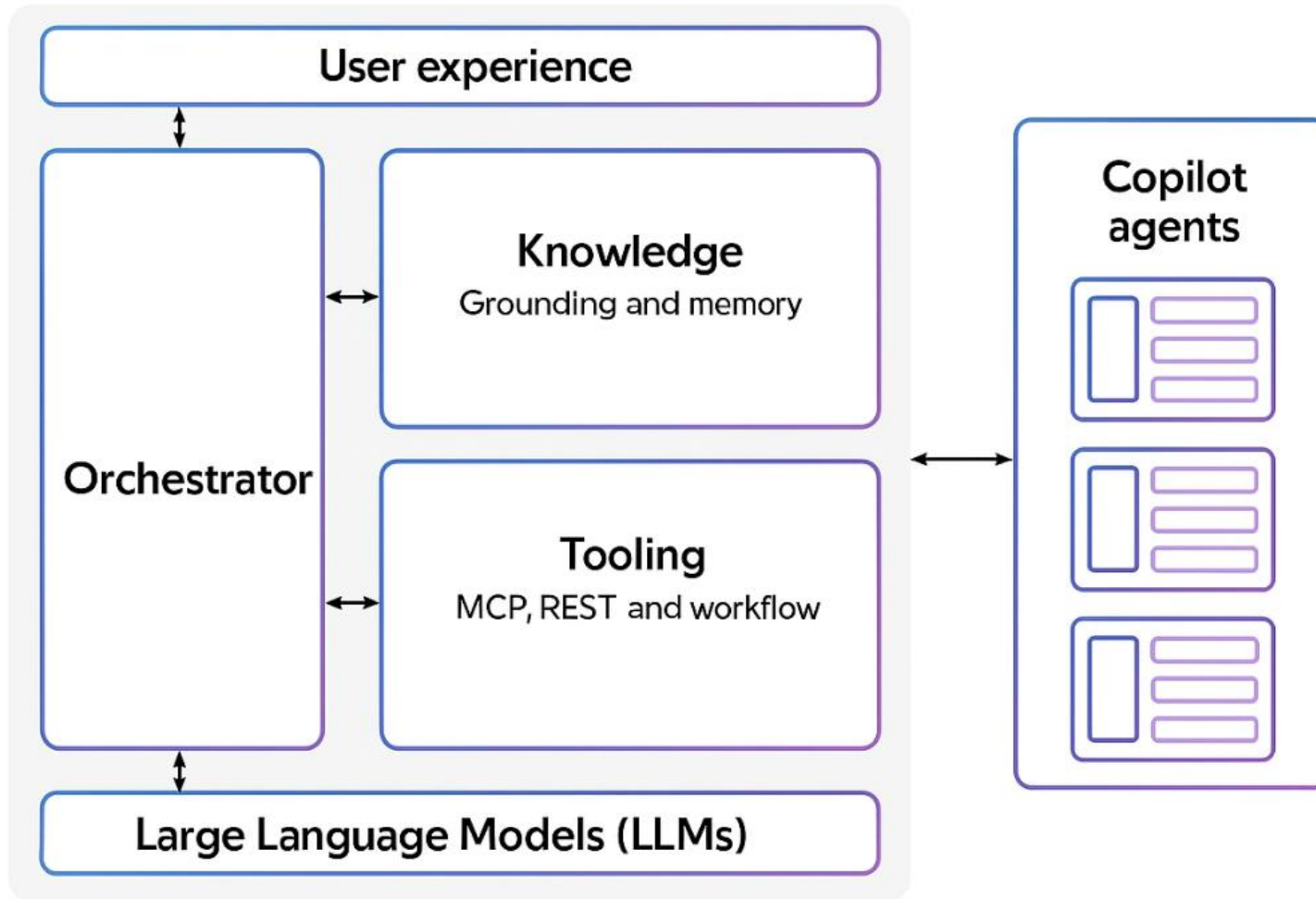
- Agents Overview
- Microsoft 365 Agents Toolkit
- Microsoft Foundry
- Microsoft Agents Framework



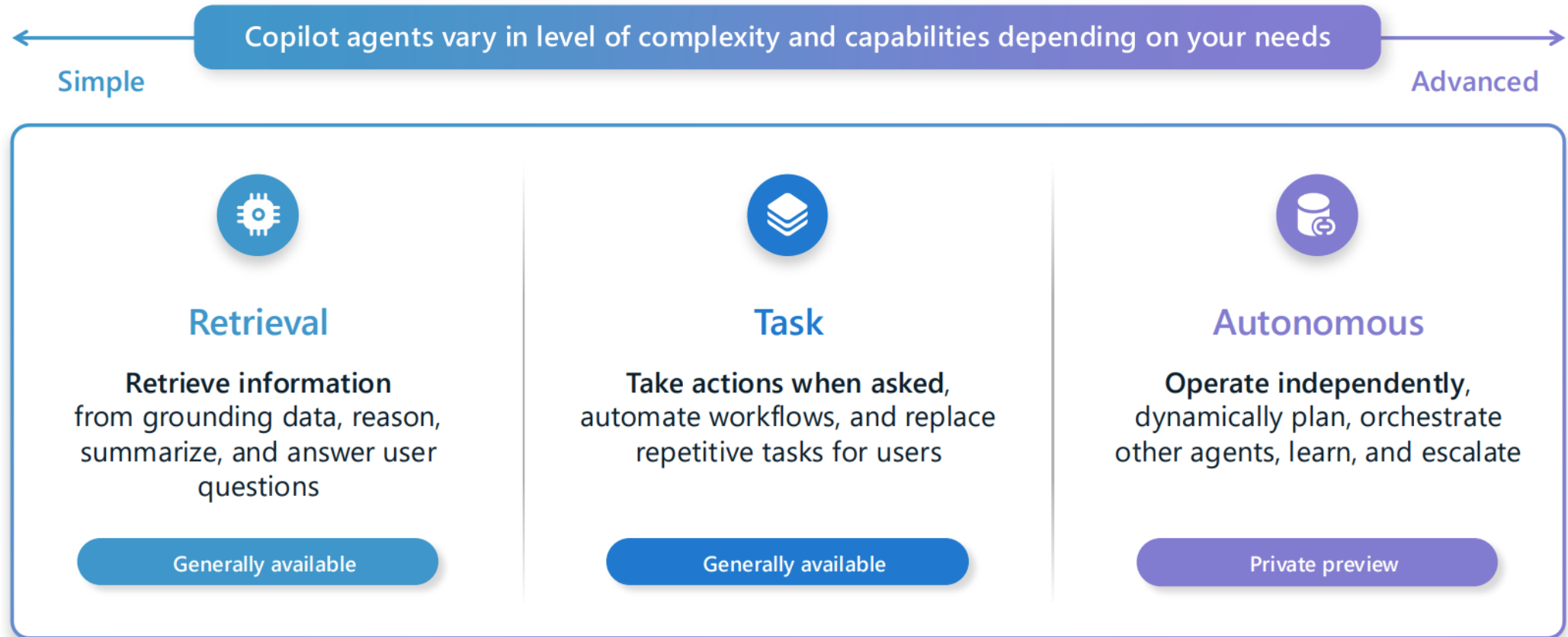
Agents Overview



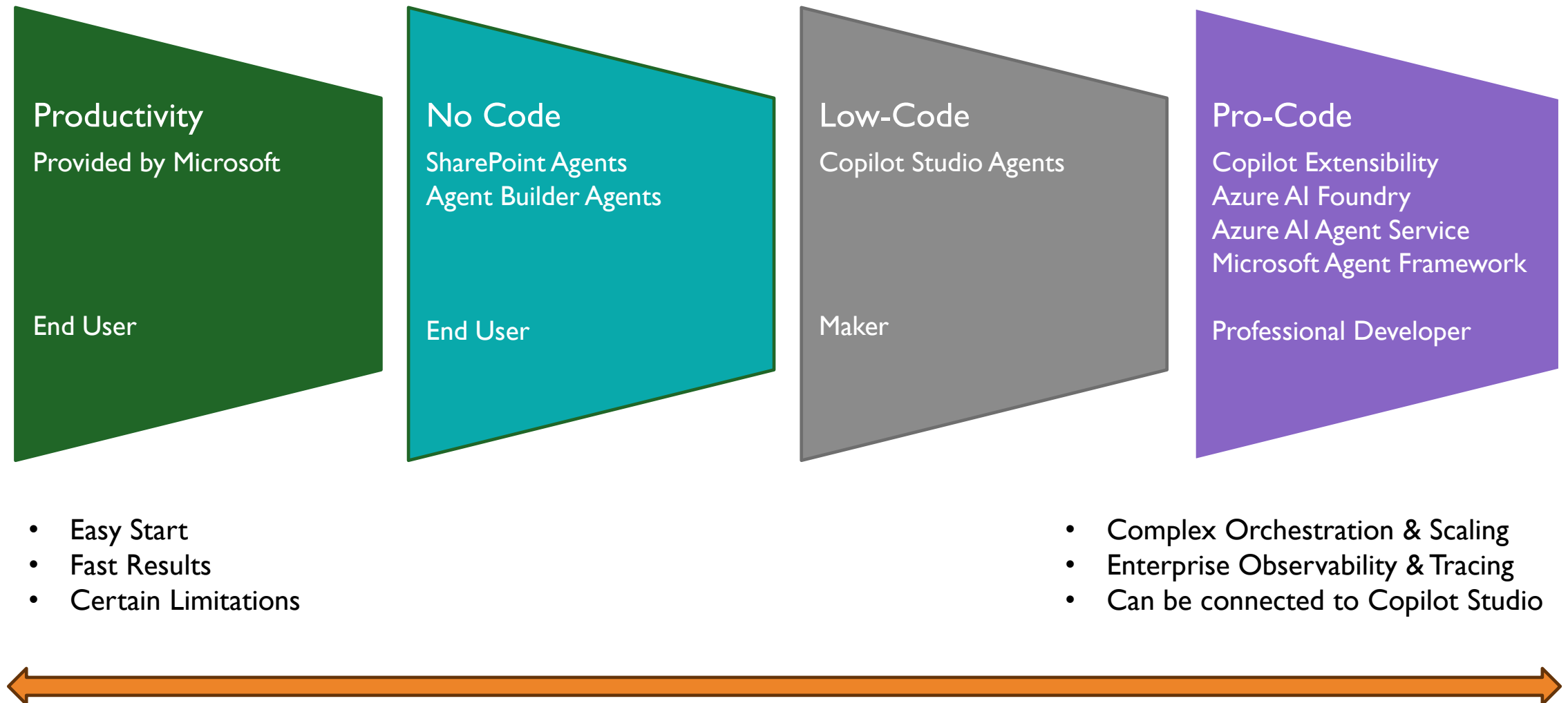
KEY ELEMENTS OF AGENTS



AGENTS TYPES



COPILOT & AGENTS EXTENSIBILITY PATH





Microsoft 365 Agents Toolkit



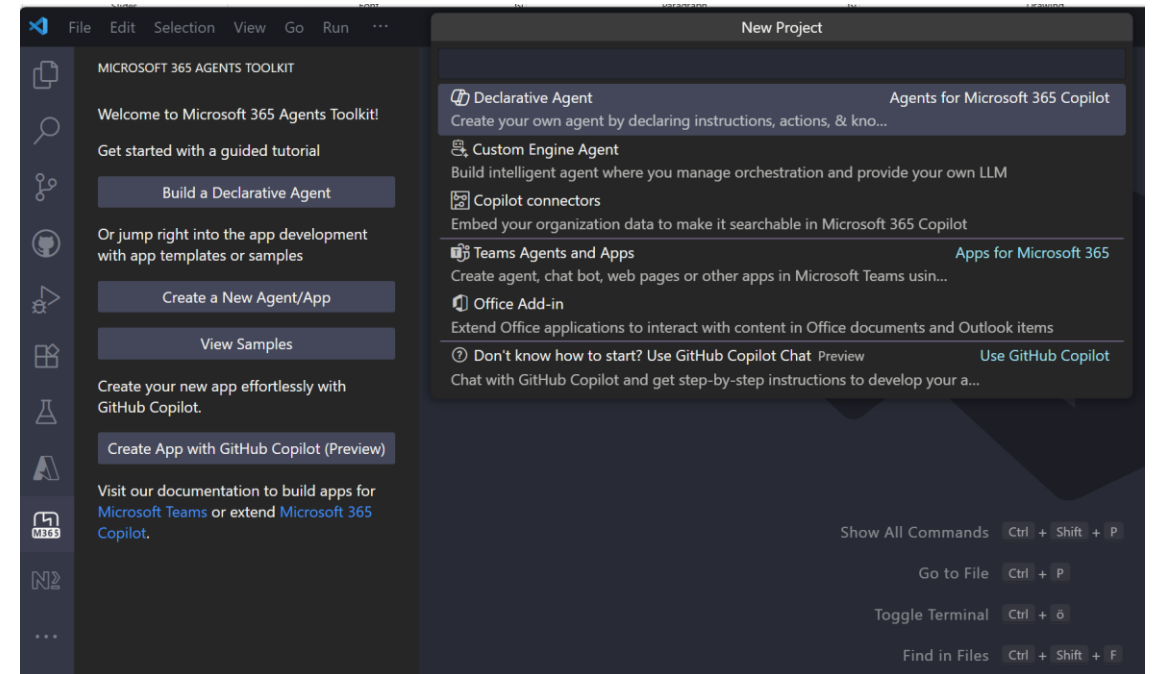


DECLARATIVE AGENTS

- Configuration-Driven Customization
 - Declarative agents allow developers to define instructions, actions, and knowledge sources without writing extensive code
- Built on Microsoft 365 Copilot Infrastructure
 - These agents run on the same trusted AI services, orchestrator, and foundation models as Microsoft Copilot
- Custom Knowledge
 - Use custom knowledge to provide extra data and context to Microsoft 365 Copilot that is scoped to a specific scenario or task.
- Custom Actions
 - Enable declarative agents to interact with external systems in real-time.

BUILD YOUR FIRST DECLARATIVE AGENT

- Open Microsoft 365 Agent Toolkit
- Choose Create a New Agent / App
- Choose Declarative Agent
- Make sure you have logged on to:
 - Microsoft 365
 - Azure
- Go to Lifecycle -> Provision
- Development -> Preview Your App (F5)
 - Preview in Copilot (Edge)





Microsoft Foundry



MICROSOFT FOUNDRY



Models



Agent Service



IQ



Tools



Machine Learning



Control Plane

Security, compliance, and governance



Microsoft Agent Framework



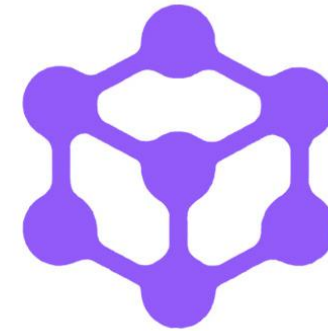
MICROSOFT AGENT FRAMEWORK

AI agents:

- Individual agents that use LLMs to process user inputs, call tools and MCP servers to perform actions, and generate responses.

Workflows:

- Graph-based workflows that connect multiple agents and functions to perform complex, multi-step tasks.
- Workflows support type-based routing, nesting, checkpointing, and request/response patterns for human-in-the-loop scenarios.



IN DEPTH CLASSES

- Designing, Implementing & Maintaining Low-Code Agents using Copilot Studio – 4 days

- *Introduction to Copilot Extensibility & Agents*
- *Copilot Studio Basics*
- *Extending Copilot Studio Agents Tools*
- *Advanced Copilot Studio Agents*
- *Designing & Implementing Business Processes*
- *Publishing & Maintaining Copilot Studio Agents*

- Designing & Implementing Agents and Pro Code Copilots using Microsoft Agent Framework and Azure AI Agent – 5 days

- *Copilot, Agents & Microsoft Foundry Essentials*
- *Model Protocol Context Servers*
- *Develop AI Agents using Microsoft Agent Framework*
- *Designing & Implementing Agents using Microsoft Foundry Agent Service*
- *Copilot Extensibility: Agents, Connectors & Copilot APIs*