

AB-620T00: Design and Build Integrated AI Agent Solutions in Copilot Studio

Course Description

This course prepares learners to implement production-ready Copilot Studio agents and multi-agent solutions capable of sophisticated reasoning, workflow automation, and enterprise integration. Learners design agent architectures, configure advanced behaviors, integrate agents with external systems, and manage testing, deployment, monitoring, and application lifecycle management. These advanced solutions enable organizations to automate complex, cross-system workflows and deliver higher-value, domain-specific outcomes.

Course Duration

3 days

Prerequisites

You should already have hands-on experience building agents in Copilot Studio, an intermediate understanding of generative AI concepts, proficiency working with REST APIs, and familiarity with the broader Microsoft cloud platform.

Course Outline

- Deliver rich agent responses using Adaptive Cards in Microsoft Copilot Studio
- Take action from agent conversations using topics and tools in Microsoft Copilot Studio
- Generate AI-powered agent responses using generative answers in Microsoft Copilot Studio
- Design multi-agent solutions in Microsoft Copilot Studio
- Delegate agent tasks using child agents in Copilot Studio
- Build multi-agent solutions using connected agents in Copilot Studio
- Build cross-platform multi-agent solutions using the Agent2Agent protocol in Microsoft Copilot Studio
- Design integration strategies for agents in Microsoft Copilot Studio
- Take action in external systems using connector and REST API agent tools in Microsoft Copilot Studio
- Ground agents with enterprise knowledge using connectors and Azure AI Search in Microsoft Copilot Studio
- Integrate agents with external systems via MCP in Microsoft Copilot Studio

Who Should Attend

This course is designed for advanced builders and professional developers who want to design, extend, and integrate Copilot Studio agents. Your goal is to automate real business processes by connecting agents to enterprise data, systems, and services—while applying sound design, security, governance, and responsible AI practices. You should already have hands-on experience building agents in Copilot Studio, an intermediate understanding of generative AI concepts, proficiency working with REST APIs, and familiarity with the broader Microsoft cloud platform.