Extend Microsoft 365 Copilot with declarative agents by using Visual Studio Code

Duration: 1 Day   Course Code: M-MS4010

Overview:

Gain comprehensive knowledge and hands-on experience in building declarative agents using Visual Studio Code and Teams Toolkit.
This course provides comprehensive knowledge and hands-on experience in building declarative agents using Visual Studio Code and Teams Toolkit. Participants start with an introduction to declarative agents, followed by practical labs that guide them through building their first agent, understanding API plugins, and implementing APIs. Advanced topics include creating adaptive cards, managing authentication for API plugins, and integrating Microsoft Graph connectors. By the end of the course, participants have a solid understanding of how to leverage declarative agents to enhance the functionality of Microsoft 365 Copilot.

Target Audience:

Developers willing to build connectors and plugins for Microsoft 365 Copilot.

Prerequisites:

None

Content:

Module 1: Introduction to declarative agents for Microsoft 365 Copilot

- What are declarative agents?
- How declarative agents work
- When to use declarative agents

Module 2: Build your first declarative agent using TypeSpecWhat is TypeSpec?

- Exercise - Scaffold a new declarative agent
- Exercise - Write instructions and conversation starters
- Exercise - Integrate knowledge and actions

Module 3: Introduction to actions with API plugins for declarative agents

- What are API plugins for declarative agents?
- How API plugins work
- When to use API plugins

Module 4: Build your first action for declarative agents with API plugin by using Visual Studio CodeCreate a

declarative agent with an API plugin

- Exercise - Create a declarative agent with an API plugin

Module 5: Use Adaptive Cards to show data in API plugins for declarative agents

- Return rich responses with Adaptive Cards
- Exercise - Return rich responses with Adaptive Cards

Module 6: Authenticate your API plugin for declarative agents with secured APIs

- Integrate an API plugin with an API secured with a key
- Exercise - Integrate an API plugin with an API secured with a key
- Integrate an API plugin with an API secured with OAuth
- Exercise - Integrate an API plugin with an API secured with OAuth

Module 7: Introduction to Copilot connectors

- What are Copilot connectors?
- Understand external connections and schemas
- Explore methods for data retrieval and transformation
- Understand access controls and data security

Module 8: Build your first Microsoft 365 Copilot connector using Visual Studio Code

- Exercise - Create your first connector project
- Exercise - Connect to GitHub repository
- Exercise - Run connector and ingest data
- Exercise - Add new property

Module 9: Monitor and maintain Microsoft 365 Copilot connectors

- Monitor and manage connector operations
- Troubleshoot connector issues and errors
- Manage access permissions and security
- Optimize connector performance

Further Information:

For More information, or to book your course, please call us on 00 20 (0) 2 2269 1982 or 16142

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