

AI-3016: Develop Custom Copilots using Azure OpenAI Studio

Duration: 01 days (08 hours)

Course Objective:

- Navigate and utilize Azure AI Studio's core features and capabilities
- Provision and manage AI resources and projects within Azure AI Studio
- Develop and manage language model applications using prompt flow
- Implement RAG to enhance language models with custom data
- Develop responsible generative AI solutions, identifying and mitigating potential harms
- Practical skills through hands-on labs to reinforce theoretical knowledge

Pre-requisite: Experience programming in C#.
Visual Studio Code IDE installed.
Familiarity with Azure and the Azure portal.
Access to Azure OpenAI Services

Labs: Microsoft Vendor LOD (VM)

Module 01: Introduction to Azure AI Studio

- Describe core features and capabilities of Azure AI Studio
- Use Azure AI Studio to provision and manage an Azure AI resource
- Use Azure AI Studio to create and manage an AI project
- Understand when to use Azure AI Studio

Module 02: Use prompt flow to develop language model apps in Azure AI Studio

- Get started with prompt flow to develop language model apps in the Azure AI Studio
- Understand the development lifecycle when creating language model applications.
- Understand what a flow is in prompt flow.
- Explore the core components when working with prompt flow.

Module 03: Build a RAG-based copilot solution with your own data using AI Studio

- Identify the need to ground your language model with Retrieval Augmented Generation (RAG)
- Index your data with Azure AI Search to make it searchable for language models
- Build a copilot using RAG on your own data in the Azure AI Studio

Module 04: Responsible generative AI in AI Studio

- Describe an overall process for responsible generative AI solution development
- Identify and prioritize potential harms relevant to a generative AI solution
- Measure the presence of harms in a generative AI solution
- Mitigate harms in a generative AI solution
- Prepare to deploy and operate a generative AI solution responsibly