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**Learning Style: Virtual Classroom**

**Technology:**

**Difficulty: Beginner**

**Course Duration: 1 Day**

# Develop custom copilots with Azure AI Studio (AI-3016)



## About Course:

Generative Artificial Intelligence (AI) is becoming more accessible through easy-to-use platforms like Azure AI Studio. Learn how to build generative AI applications like custom copilots that use language models and prompt flow to provide value to your users.

## Course Objectives:

- Introduction to Azure AI Studio
- Explore and deploy models from the model catalog in Azure AI Studio
- Get started with prompt flow to develop language model apps in the Azure AI Studio
- Build a RAG-based copilot solution with your own data using Azure AI Studio
- Integrate a fine-tuned language model with your copilot in the Azure AI Studio
- Evaluate the performance of your custom copilot in the Azure AI Studio
- Responsible generative AI in AI Studio

## Audience:

- AI Engineers / Data Scientists
- Technical Leads & Cloud Solution Architects

## Prerequsites:

- Before starting this module, you should be familiar with fundamental AI concepts and services in Azure.

## Course Outline:

- What is Azure AI Studio?
- How does Azure AI Studio work
- When to use Azure AI Studio
- Explore the language models in the model catalog
- Deploy a model to an endpoint
- Improve the performance of a language model
- Understand the development lifecycle of a large language model (LLM) app
- Understand core components and explore flow types

- Explore connections and runtimes
- Explore variants and monitoring options
- Understand how to ground your language model
- Make your data searchable
- Build a copilot with prompt flow
- Understand when to fine-tune a language model
- Prepare your data to fine-tune a chat completion model
- Explore fine-tuning language models in Azure AI Studio
- Assess the model performance
- Manually evaluate the performance of a model
- Assess the performance of your custom copilot
- Plan a responsible generative AI solution
- Identify potential harms
- Measure potential harms
- Mitigate potential harms
- Operate a responsible generative AI solution