



AI-3016 - Develop generative AI apps in Azure AI Foundry portal

Microsoft - Microsoft Azure - Artificial Intelligence

Durata:

1 Giorno

Lingue:

Italiano

Certificazione:

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Descrizione del corso

Generative Artificial Intelligence (AI) is becoming more accessible through comprehensive development platforms like Azure AI Foundry. Learn how to build generative AI applications that use language models to chat with your users.

Prerequisites

Before starting this module, you should be familiar with fundamental AI concepts and services in Azure. Consider completing the Get started with artificial intelligence learning path first

Programma

Module 1: *Plan and prepare to develop AI solutions on Azure*

- What is AI?
- Azure AI services
- Azure AI Foundry
- Developer tools and SDKs
- Responsible AI
- Exercise – Prepare for an AI development project
- Module assessment

Module 2: *Choose and deploy models from the model catalog in Azure AI Foundry portal*

- Explore the model catalog

ITCore Group

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- Deploy a model to an endpoint
- Optimize model performance
- Exercise – Explore, deploy, and chat with language models
- Module assessment

Module 3: *Develop an AI app with the Azure AI Foundry SDK*

- What is the Azure AI Foundry SDK?
- Work with project connections
- Create a chat client
- Exercise – Create a generative AI chat app
- Module assessment

Module 4: *Get started with prompt flow to develop language model apps in the Azure AI Foundry*

- 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
- Exercise – Get started with prompt flow
- Module assessment

Module 5: *Develop a RAG-based solution with your own data using Azure AI Foundry*

- Understand how to ground your language model
- Make your data searchable
- Create a RAG-based client application
- Implement RAG in a prompt flow
- Exercise – Create a generative AI app that uses your own data
- Module assessment

Module 6: *Fine-tune a language model with Azure AI Foundry*

- 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

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- Exercise – Fine-tune a language model
- Module assessment

Module 7: *Implement a responsible generative AI solution in Azure AI Foundry*

- Plan a responsible generative AI solution
- Map potential harms
- Measure potential harms
- Mitigate potential harms
- Manage a responsible generative AI solution
- Exercise – Apply content filters to prevent the output of harmful content
- Module assessment

Module 8: *Evaluate generative AI performance in Azure AI Foundry portal*

- Assess the model performance
- Manually evaluate the performance of a model
- Automated evaluations
- Assess the performance of your generative AI apps
- Exercise – Evaluate generative AI model performance
- Module assessment

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