

MDAI-1 - MOC AI-102T00 - DEVELOP AI SOLUTIONS IN AZURE

Categoria: **Data & AI**

INFORMAZIONI SUL CORSO



Durata:
5 Giorni



Categoria:
Data & AI



Qualifica Istruttore:
**Microsoft Certified
Trainer**



Dedicato a:
Professionista IT



Produttore:
Microsoft

OBIETTIVI

AI-102: Develop AI solutions in Azure is intended for software developers wanting to build AI infused applications that leverage Azure AI Foundry and other Azure AI services. Topics in this course include developing generative AI apps, building AI agents, and solutions that implement computer vision and information extraction.

PREREQUISITI

This course was designed for software engineers concerned with building, managing and deploying AI solutions that leverage Azure AI Foundry and other Azure AI services. They are familiar with C# or Python and have knowledge on using REST-based APIs and SDKs to build generative AI, computer vision, language analysis, and information extraction solutions on Azure.

CONTENUTI

Develop generative AI apps in Azure

- Plan and prepare to develop AI solutions on Azure
- Choose and deploy models from the model catalog in Microsoft Foundry portal
- Develop an AI app with the Microsoft Foundry SDK
- Get started with prompt flow to develop language model apps in the Microsoft Foundry
- Develop a RAG-based solution with your own data using Microsoft Foundry
- Fine-tune a language model with Microsoft Foundry
- Implement a responsible generative AI solution in Microsoft Foundry
- Evaluate generative AI performance in Microsoft Foundry portal

Develop AI agents on Azure

- Get started with AI agent development on Azure
- Develop an AI agent with Microsoft Foundry Agent Service
- Develop AI agents with the Microsoft Foundry extension in Visual Studio Code
- Integrate custom tools into your agent
- Develop a multi-agent solution with Microsoft Foundry Agent Service
- Integrate MCP Tools with Azure AI Agents
- Develop an AI agent with Microsoft Agent Framework
- Orchestrate a multi-agent solution using the Microsoft Agent Framework

- Discover Azure AI Agents with A2A

Develop natural language solutions in Azure

- Analyze text with Azure Language
- Create question answering solutions with Azure Language
- Build a conversational language understanding model
- Create a custom text classification solution
- Custom named entity recognition
- Translate text with Azure Translator service
- Create speech-enabled apps with Microsoft Foundry
- Translate speech with the Azure Speech service
- Develop an audio-enabled generative AI application
- Develop an Azure AI Voice Live agent

Develop computer vision solutions in Azure

- Analyze images
- Read text in images
- Detect, analyze, and recognize faces
- Classify images
- Detect objects in images
- Analyze video
- Develop a vision-enabled generative AI application
- Generate images with AI

Develop AI information extraction solutions in Azure

- Create a multimodal analysis solution with Azure Content Understanding
- Create an Azure Content Understanding client application
- Use prebuilt Document intelligence models
- Extract data from forms with Azure Document intelligence
- Create a knowledge mining solution with Azure AI Search

INFO

Esame: AI-102 - Designing and Implementing a Microsoft Azure AI Solution

Materiale didattico: Materiale didattico ufficiale Microsoft in formato digitale

Costo materiale didattico: incluso nel prezzo del corso a Calendario

Natura del corso: Operativo (previsti lab su PC)