MDAI-1 - MOC AI-103T00 - DEVELOP AI APPS AND AGENTS ON AZURE

Categoria: **Data & AI**

INFORMAZIONI SUL CORSO

Durata:	Categoria:	Qualifica Istruttore:	Dedicato a:	Produttore:
4 Giorni	Data & AI	Microsoft Certified Trainer	Sviluppatore	Microsoft

OBIETTIVI

This course is intended for software developers wanting to build AI infused applications that leverage Microsoft Foundry. Topics in this course include developing generative AI apps, building AI agents, and solutions that implement knowledge connections or tools in your agentic applications. This course also covers multimodal capabilities and understanding of complex content.

PREREQUISITI

This course was designed for software engineers concerned with building, managing and deploying AI solutions that leverage Microsoft Foundry. They are familiar with Python and have knowledge on using APIs and SDKs to build agents and generative AI solutions on Azure.

CONTENUTI

Develop generative AI apps in Azure

- -Plan and prepare to develop AI solutions on Azure
- -Select, deploy, and evaluate Microsoft Foundry models
- -Develop a generative AI chat app with Microsoft Foundry
- -Develop generative AI apps that use tools
- -Optimize generative AI model performance with Microsoft Foundry
- -Implement a responsible generative AI solution in Microsoft Foundry

Develop AI agents on Azure

- -Develop AI agents with the Microsoft Foundry extension in Visual Studio Code
- -Integrate custom tools into your agent
- -Integrate MCP Tools with Azure AI Agents
- -Build knowledge-enhanced AI agents with Foundry IQ
- -Integrate your agent with Microsoft 365
- -Build agent-driven workflows using Microsoft Foundry
- -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 in Foundry Tools
- -Develop a text analysis agent with the Azure Language MCP server
- -Develop a speech-capable generative AI application
- -Create speech-enabled apps with Azure Speech in Microsoft Foundry Tools
- -Develop a speech agent with the Azure Speech MCP server
- -Develop an Azure Speech Voice Live Agent in Microsoft Foundry
- -Translate text and speech with Microsoft Foundry Tools

Extract insights from visual data on Azure

- -Develop a vision-enabled generative AI application
- -Generate images with AI
- -Generate videos with Microsoft Foundry
- -Analyze images with Content Understanding
- -Create a multimodal analysis solution with Azure Content Understanding
- -Create an Azure Content Understanding client application
- -Extract data from forms with Azure Document intelligence
- -Create a knowledge mining solution with Azure AI Search

INFO

Esame: AI-103 - Developing AI Apps and Agents on Azure
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)