MDAI-1 - MOC AI-102T00 - DESIGNING AND IMPLEMENTING A MICROSOFT AZURE AI SOLUTION

Categoria: **Data & AI**

INFORMAZIONI SUL CORSO

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

OBIETTIVI

AI-102 Designing and Implementing an Azure AI Solution is intended for software developers wanting to build AI infused applications that leverage Azure AI Services, Azure AI Search, and Azure OpenAI. The course will use C# or Python as the programming language.

PREREQUISITI

Before attending this course, students must have:

- Knowledge of Microsoft Azure and ability to navigate the Azure portal
- Knowledge of either C# or Python
- Familiarity with JSON and REST programming semantics

If you are new to artificial intelligence, and want an overview of AI capabilities on Azure, consider completing the Azure AI Fundamentals certification before taking this one.

CONTENUTI

Get started with Azure AI Services

- Plan and prepare to develop AI solutions on Azure
- Create and consume Azure AI Services
- Secure Azure AI Services
- Monitor Azure AI Services
- Deploy Azure AI services in containers
- Use AI responsibly with Azure AI Content Safety

Create computer vision solutions with Azure AI Vision

- Analyze images
- Classify images
- Detect objects in images
- Detect, analyze, and recognize faces
- Read Text in images and documents with the Azure AI Vision Service
- Analyze video

Develop natural language processing solutions with Azure AI Services
- Analyze text with Azure AI Language
- Create question answering solutions with Azure AI Language
- Build a conversational language understanding model
- Create a custom text classification solution
- Custom named entity recognition
- Translate text with Azure AI Translator service
- Create speech-enabled apps with Azure AI services
- Translate speech with the Azure AI Speech service

Implement knowledge mining with Azure AI Search
- Create an Azure AI Search solution
- Create a custom skill for Azure AI Search
- Create a knowledge store with Azure AI Search
- Implement advanced search features in Azure AI Search
- Search data outside the Azure platform in Azure AI Search using Azure Data Factory
- Maintain an Azure AI Search solution
- Perform search reranking with semantic ranking in Azure AI Search
- Perform vector search and retrieval in Azure AI Search

Develop solutions with Azure AI Document Intelligence
- Plan an Azure AI Document Intelligence solution
- Use prebuilt Document intelligence models
- Extract data from forms with Azure Document Intelligence
- Create a composed Document intelligence model

Develop Generative AI solutions with Azure OpenAI Service
- Develop applications with Azure OpenAI Service
- Implement Retrieval Augmented Generation (RAG) with Azure OpenAI Service
- Generate images with Azure OpenAI Service

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)