

Develop Generative AI Apps in Azure (AI-3016)

Duración: 1 Días Código del Curso: M-AI3016 Método de Impartición: Curso Remoto (Virtual)

Temario:

Learn how to build generative AI applications that use language models to chat with your users.

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.

Virtual Learning

This interactive training can be taken from any location, your office or home and is delivered by a trainer. This training does not have any delegates in the class with the instructor, since all delegates are virtually connected. Virtual delegates do not travel to this course, Global Knowledge will send you all the information needed before the start of the course and you can test the logins.

Dirigido a:

AI Engineers, Data Scientists,

Objetivos:

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

Prerequisites:

Attendees should meet the following pre-requisites:

- Familiar with fundamental AI concepts and services in Azure.
- Consider completing the Get started with artificial intelligence learning path first.

Exámenes y certificación

Recommended as preparation for the following exams:

- There is no exam linked to this course although assessments are incorporated into the class.

Contenido:

Module1: Plan and Prepare to develop AI solutions on Azure

- Introduction
- 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

- Introduction
- Explore the Model Catalog
- 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 Foundry SDK

- Introduction
- 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

- Introduction
- 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

- Introduction
- 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

- Introduction
- 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 Foundry Portal
- Exercise - Fine-tune a Language Model
- Module Assessment

Module 7: Implement a Responsible Generative AI Solution in Azure AI Foundry

- Introduction
- 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

- Introduction
- Assess the Model Performance
- Manually Evaluate the Performance of a Model
- Automated Evaluations
- Exercise - Evaluate Generative AI Model Performance
- Module Assessment

Más información:

Para más información o para reservar tu plaza llámanos al (34) 91 425 06 60

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