Develop generative AI apps in Azure (AI-3016)

ID AI-3016 **Price** CHF 950.—(excl. VAT) **Duration** 1 days

Prerequisites

Before starting this module, you should be familiar with fundamental AI concepts and services in Azure. You should also have programming experience.

Course Content

Plan and prepare to develop AI solutions on Azure

- Introduction
- What is AI?
- Microsoft Foundry
- Foundry Tools
- Developer tools and SDKs
- Responsible AI
- Exercise - Prepare for an AI development project
- Module assessment
- Summary

Select, deploy, and evaluate Microsoft Foundry models

- Introduction
- Explore the model catalog
- Select models using benchmarks
- Deploy models to endpoints
- Evaluate model performance
- Exercise - Select, deploy, and evaluate models
- Knowledge check
- Summary

Develop a generative AI chat app with Microsoft Foundry

- Introduction
- Explore with the model playground
- Choose an endpoint and SDK
- Generate responses with the Responses API
- Generate responses with the ChatCompletions API
- Exercise - Create a generative AI chat app
- Knowledge check
- Summary

Develop generative AI apps that use tools

- Introduction
- What are tools?
- Use the code_interpreter tool
- Use the web_search tool
- Use the file_search tool
- Use the function tool
- Exercise - Create a generative AI chat app that uses tools
- Module assessment
- Summary

Optimize generative AI model performance with Microsoft Foundry

- Introduction
- Optimize model output with prompt engineering
- Ground your model with Retrieval Augmented Generation
- Fine-tune a model for consistent behavior
- Compare and combine optimization strategies
- Exercise - Optimize generative AI model performance
- Module assessment
- Summary

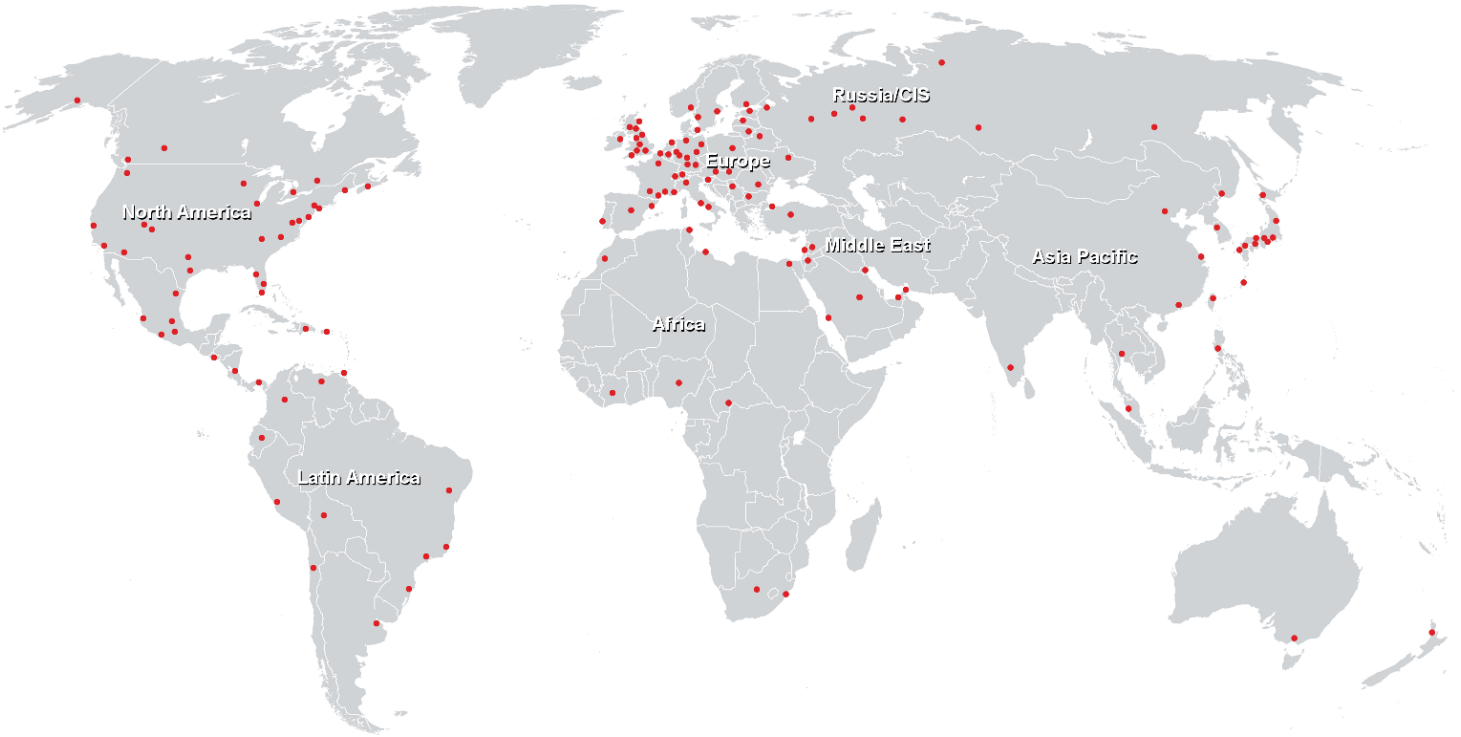
Implement a responsible generative AI solution in Microsoft Foundry

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

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