

# Develop natural language solutions in Azure (AI-3016)

Duration: 0,5 day

Audience: Professionnel TI

## Who is this training for?

- Developer
- AI Engineer
- Data Scientist

## Training objectives

- Master the capabilities of Azure AI Studio
- Develop large language model (LLM) applications
- Analyze prompt flows and identify their components
- Design custom RAG-based copilots using your own data
- Implement a responsible generative AI solution by identifying and mitigating potential risks

## Summary

This course lets you explore the power of generative artificial intelligence with Azure AI Studio. You will learn how to create innovative AI applications, including custom copilots. Master prompt flows, understand the lifecycle of language model applications, and discover how to use your own data to develop effective solutions. Build responsible generative AI by identifying and mitigating potential risks.

## Course outline

### Module 1: Introduction to Azure AI Studio

- Understand what Azure AI Studio is
- Learn how Azure AI Studio works
- Discover when to use Azure AI Studio

## **Module 2: Get started with prompt flow to develop language model applications in Azure AI Studio**

- Understand the lifecycle of large language model (LLM) application development
- Understand the key components and explore flow types
- Explore connections and runtimes
- Explore variants and monitoring option

## **Module 3: Create a RAG-based copilot solution with your own data using Azure AI Studio**

- Understand how to ground your language model
- Make your data searchable
- Create a copilot with prompt flow

## **Module 4: Responsible generative AI in AI Studio**

- Plan a responsible generative AI solution
- Identify potential harms
- Measure potential harms
- Mitigate potential harms
- Operate a responsible generative AI solution

## **Approach and methodology**

A practical and structured approach combining targeted theory and guided workshops. Participants progressively transform business workflows with generative AI through hands-on exercises inspired by professional scenarios, encouraging immediate application of learning. They learn to identify automation opportunities, integrate generative AI solutions, and optimize business processes to improve organizational efficiency. Led by a Microsoft-certified trainer, the course emphasizes interactivity and the development of directly transferable skills to accelerate digital transformation in a professional context.

## **Prerequisites**

Be familiar with fundamental AI concepts and Azure services.