

Develop natural language processing solutions with Azure AI Services (AI-3003)

Duration: 1 day

Audience: Analyste de données|Professionnel TI

Who is this training for?

- People working in AI engineering
- People developing applications

Training objectives

- Design natural language processing solutions with Azure AI Language
- Build text analytics solutions using pre-configured capabilities
- Train models for custom language solutions, including named entity recognition
- Understand, synthesize, and translate speech

Summary

Applied Skills training courses are designed to validate specific skills by being oriented towards real-world scenarios. They offer a targeted alternative to traditional role-based certifications, with a focus on applying technical skills in real-world business situations. Natural language processing (NLP) solutions use language models to interpret the semantic meaning of written or spoken language. You can use the Language Understanding service to build language models for your applications.

Course outline

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

- Translate speech with the Azure AI Speech service

Approach and methodology

Practical and structured approach combining focused theory and guided workshops. Participants gradually develop natural language processing solutions with Azure AI Services through real-world exercises inspired by professional scenarios, promoting immediate application of learnings. They learn how to analyze text, extract relevant information, and integrate natural language capabilities into intelligent applications. Led by a Microsoft certified trainer, the training focuses on interactivity and the development of directly transferable technical skills to design AI solutions in a professional context.

Prerequisites

- Have a good knowledge of Azure and the Azure portal.
- Experience programming in C# or Python.
- If you don't have programming experience, we recommend that you take the "Get Started with C#" or Get Started with Python or equivalent content training path before starting this one

Recommendations

- Basics in Artificial Intelligence and Natural Language Processing (NLP)
- Basic knowledge of programming (Python, API)
- Familiarity with Azure AI services Understanding of textual data concepts and linguistic analysis
- Notions of application integration and security