Develop natural language solutions in Azure (AI-3003)

ID AI-3003 **Price** CHF 870.—(excl. VAT) **Duration** 1 days

Prerequisites

Before starting this learning path, you should already have:

- Familiarity with Azure and the Azure portal.
- Programming experience.

Course Content

Analyze text with Azure Language in Foundry Tools

- Introduction
- Azure Language in Microsoft Foundry Tools
- Detect language
- Extract entities
- Extract personally identifiable information (PII)
- Exercise - Analyze text
- Module assessment
- Summary

Develop a text analysis agent with the Azure Language MCP server

- Introduction
- Understand the Azure Language MCP server
- Connect and use the Language MCP server with an agent
- Exercise - Develop a text analysis agent
- Knowledge check
- Summary

Develop a speech-capable generative AI application

- Introduction
- Choose a speech-capable model
- Transcribe speech
- Synthesize speech
- Exercise - Use speech-capable generative AI models
- Module assessment
- Summary

Create speech-enabled apps with Azure Speech in Microsoft Foundry Tools

- Introduction
- Azure Speech in Foundry Tools
- Use the Speech to Text API
- Use the Text to Speech API
- Configure audio format and voices
- Use Speech Synthesis Markup Language
- Exercise - Create a speech-enabled app
- Module assessment
- Summary

Develop a speech agent with the Azure Speech MCP server

- Introduction
- Understand the Azure Speech MCP server
- Connect and use the Speech MCP server with an agent
- Exercise - Use Azure Speech in an agent
- Knowledge check
- Summary

Develop an Azure Speech Voice Live Agent in Microsoft Foundry

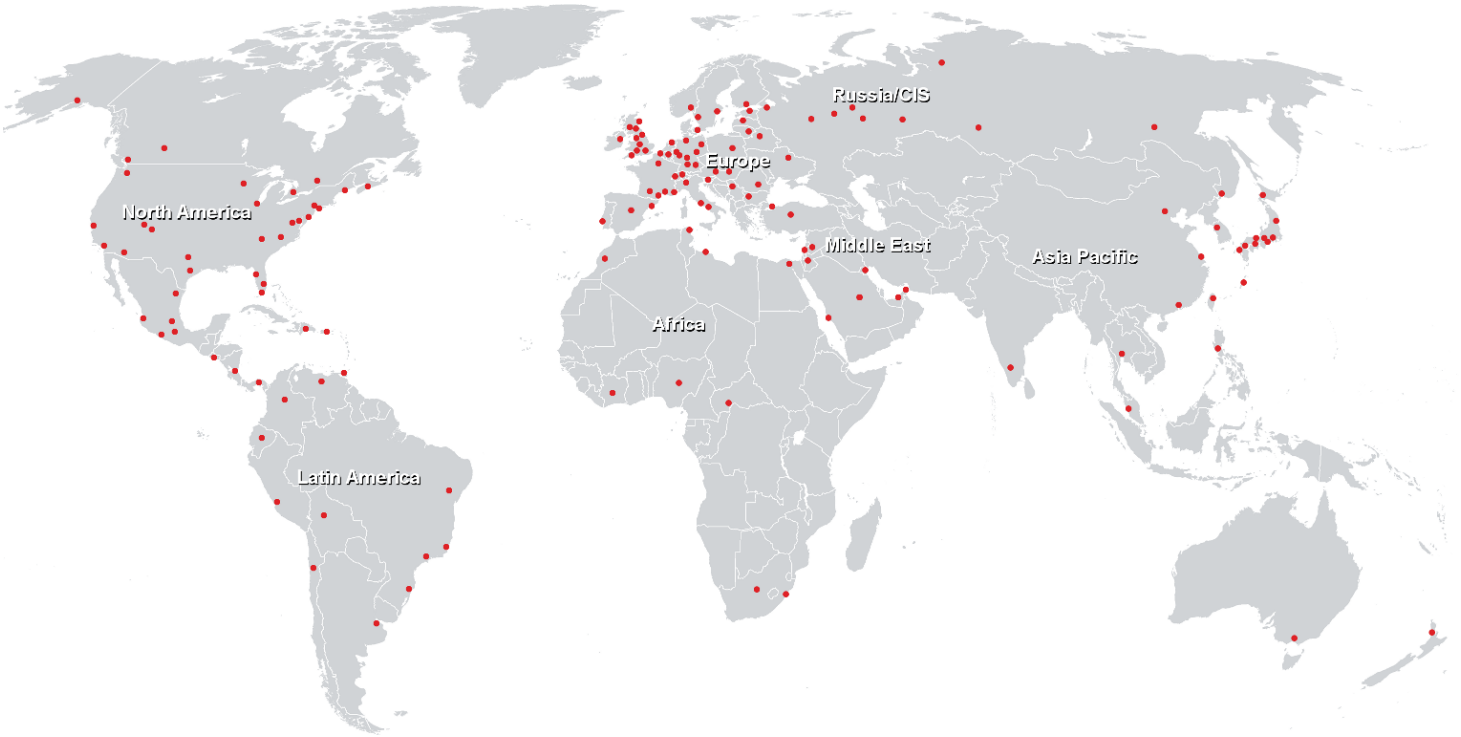
- Introduction
- Explore the Azure Voice Live API
- Explore the AI Voice Live client library for Python
- Create a Voice Live agent
- Exercise - Develop a Voice Live agent
- Module assessment
- Summary

Translate text and speech with Microsoft Foundry Tools

- Introduction
- Translation in Microsoft Foundry
- Translate text
- Translate speech
- Exercise - Translate text and speech
- Module assessment
- Summary

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