

KOENIG SOLUTIONS • COURSE OUTLINE

AI-3003: Develop Natural Language Solutions in Azure

Learn to build natural language solutions on Azure, from text analysis and translation to conversational apps and speech services.

1 Day

8 HOURS A DAY

7

MODULES

27

TOPICS

COURSE OVERVIEW

This course covers analysing text for language, key phrases, sentiment, PII, and entities, and translating text between languages with script transliteration. It then addresses building a question answering solution from a knowledge base and a conversational language understanding app using intents, entities, and utterances. Later modules cover custom classification and named entity extraction models, along with speech recognition, translation, and synthesis using the Speech to text and Text to speech APIs.

WHO THIS COURSE IS FOR

AI Developers

Software Engineers

Solutions Architects

Conversational App Developers

Speech Application Developers

PREREQUISITES

- Familiarity with Azure AI Services and the Azure portal.

LEARNING OBJECTIVES

After completing this course, students will be able to:

- Analyzing and translating text
- Build a question answering solution
- Build a conversational language understanding app
- Custom classification and named entity extraction
- Speech recognition, synthesis, and translation

7 Modules, 27 Topics

01

Analyze Text

TOPICS

Detect language and extract key phrases · Analyze sentiment and detect PII · Summarize text · Extract entities and linked entities

02

Translate Text

TOPICS

Language detection · One-to-many translation · Script transliteration

03

Build a Question Answering Solution

TOPICS

Create and edit a knowledge base · Train, test, and deploy the knowledge base · Consume a published knowledge base

04

Build a Conversational Language Understanding App

TOPICS

- Provision an Azure AI Language resource
- Define intents, entities, and utterances
- Use patterns to differentiate similar utterances and use pre-built entity components
- Train, test, publish, and review a model
- Describe Azure AI Language Understanding features

05

Build a Conversational Language Understanding App

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06

Custom Classification and Named Entity Extraction

TOPICS

- Label documents, train and deploy models for custom classification
- Understand model performance and see where to improve your model
- Use your custom model in an app

07

Speech Recognition, Translation and Synthesis

TOPICS

- Use the Speech to text API to implement speech recognition
- Use the Text to speech API to implement speech synthesis
- Configure audio format and voices
- Use Speech Synthesis Markup Language (SSML)

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Hands-on exercises throughout the course
- Delivery by certified instructors and subject matter experts
- Course completion certificate from Koenig

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

Learn the Way That Suits You

Classroom Training

Live Online Classes (ILO)

Fly-Me-A-Trainer (FMAT)

Flexi (Self-Paced)

1-on-1 Training

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