KOENIG SOLUTIONS · COURSE OUTLINE

Mastering Azure OpenAI

Learn to deploy, prompt and integrate Azure OpenAI models using Studio, Playground and the SDK, while applying responsible AI principles.

2 Days	5	18	9
DURATION	MODULES	TOPICS	HANDS-ON ACTIVITIES

COURSE OVERVIEW

This course covers Azure OpenAI, including its models, quotas and pricing, before moving into using Azure OpenAI Studio and Playground to deploy models and generate text and images. It then examines key terminology such as prompting techniques, abuse monitoring, content filtering and embeddings, and compares OpenAI with Azure OpenAI. The course also covers using the Azure OpenAI SDK for text, image and speech generation and document search through embeddings, and closes with responsible AI principles covering transparency, code of conduct, and data, privacy and security.

WHO THIS COURSE IS FOR

- **AI Developers**
- **Solution Architects**
- **Cloud Engineers**
- **Data Scientists**
- **Software Engineers**

TOOLS AND REQUIREMENTS

- Since Azure OpenAI is available in limited access, students/clients must have their own Azure OpenAI resource via: https://aka.ms/oai/access

LEARNING OBJECTIVES

- Explain Azure OpenAI quotas, limits and service pricing
- Describe the models available in Azure OpenAI and their capability
- Deploy models using Azure OpenAI Studio
- Generate text and images through the Playground
- Apply prompting techniques and content filtering concepts
- Compare OpenAI with Azure OpenAI
- Implement text, image and speech generation using the SDK
- Explain responsible AI principles including transparency and data privacy

COURSE SYLLABUS

5 Modules, 18 Topics

01 Demo/Lab

Introduction to Azure OpenAI

TOPICS

Overview of Azure OpenAI · Quotas and Limits · Models and their Capability · Service Pricing

02 3 Demo/Labs

Using Azure OpenAI

TOPICS

Overview of Azure OpenAI Studio · Deploying Models using Studio · Overview of Playground · In-built System Prompts

03 2 Demo/Labs

Key Terminology of Azure OpenAI

TOPICS

Prompting Techniques · Abuse Monitoring · Content Filtering · Embedding Concepts · OpenAI Vs Azure OpenAI

04 3 Demo/Labs

Using Azure OpenAI with SDK

TOPICS

Overview of Azure OpenAI SDK

05

Responsible AI for Azure OpenAI

TOPICS

Overview of Responsible AI Principles · Overview of Transparency · Overview of Code of Conduct · Overview of Data, Privacy and Security

HANDS-ON ACTIVITIES

Practise What You Learn

#	MODULE	ACTIVITY
01	**Introduction to Azure OpenAI**	Creation of Azure OpenAI resource
02	**Using Azure OpenAI**	■ Generating Text via Playground ■ Generating Images via Playground (DALL.E) ■ Working with our Own Data & It's Web App Deployment
03	**Key Terminology of Azure OpenAI**	■ Embeddings ■ AAD Integration (extra)

#	MODULE	ACTIVITY
04	**Using Azure OpenAI with SDK**	■ Generating Text & Images via SDK (Chat & Completions) ■ Document Search using Embeddings ■ Speech to Speech Chat

WHAT IS INCLUDED

Everything You Need to Succeed

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

ABOUT 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.

FLEXIBLE DELIVERY

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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Talk to a learning advisor about schedules, group training and customised delivery.

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