

KOENIG SOLUTIONS · COURSE OUTLINE

AI-050T00: Develop Generative AI Solutions with Azure OpenAI Service

Learn to deploy, integrate and prompt-engineer generative AI models using Azure OpenAI Service.

1 Day

8 HOURS

4

MODULES

13

TOPICS

COURSE OVERVIEW

The AI-050: Develop Generative AI Solutions with Azure Open AI Service course is designed to educate learners on leveraging the Azure Open AI Service for creating advanced AI models that can generate human-like text, code, and images. Throughout the course, participants will gain a deep understanding of Azure Open AI workloads, learn to Deploy and manage AI models via Azure Open AI Studio, console, or REST API, and discover how to integrate these models into their own applications to solve complex problems. Additionally, the course delves into Prompt engineering to enhance the performance of AI models and teaches best practices in Responsible AI. By mastering these skills, learners will be equipped to innovate in various domains using generative AI, ensuring that they can create cutting-edge AI solutions that are ethical and effective.

WHO THIS COURSE IS FOR

AI-050: Develop Generative AI Solutions with Azure OpenAI Service is designed for professionals seeking expertise in AI model integration and application.

Software Developers and Engineers

Data Scientists and AI Researchers

Cloud Solution Architects

AI and Machine Learning Enthusiasts

IT Professionals with a focus on cloud services

Technical Product Managers

DevOps Engineers involved in AI deployments

Technical Leads and Consultants specializing in Azure services

Innovation Teams exploring AI capabilities

Technical Educators and Trainers

What You Will Learn

- Describe Azure OpenAI workloads and access options
- Explain generative AI language, code and image capabilities
- Identify responsible AI practices and limited access policies
- Create an Azure OpenAI Service resource and base models
- Deploy models using Azure OpenAI Studio, console or REST API
- Generate completions to prompts and manage model parameters
- Integrate Azure OpenAI Service into applications via SDKs
- Apply prompt engineering to optimise model responses

COURSE SYLLABUS

4 Modules, 13 Topics

01

Introduction to Azure Open AI Service

TOPICS

- Describe Azure Open AI workloads and access the Azure Open AI Service
- Understand generative AI models
- Understand Azure Open AI's language, code, and image capabilities
- Understand Azure Open AI's responsible AI practices and limited access policies

02

Get Started with Azure Open AI Service

TOPICS

- Create an Azure Open AI Service resource and understand types of Azure Open AI base models
- Use the Azure Open AI Studio, console, or REST API to deploy a base model and test it in the Studio's playgrounds
- Generate completions to prompts and begin to manage model parameters

03

Build Natural Language Solutions with Azure Open AI Service

TOPICS

- Integrate Azure Open AI into your application
- Differentiate between different endpoints available to your application
- Generate completions to prompts using the REST API and language specific SDKs

04

Apply Prompt Engineering with Azure Open AI Service

TOPICS

- Understand the concept of prompt engineering and its role in optimizing Azure Open AI models' performance
- Know how to design and optimize prompts to better utilize AI models
- Include clear instructions, request output composition, and use contextual content to improve the quality of the model's responses

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.

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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