

KOENIG SOLUTIONS • COURSE OUTLINE

AZ-2005: Develop Generative AI Solutions Using Azure OpenAI and the Semantic Kernel SDK

Learn to build AI solutions with Azure OpenAI and the Semantic Kernel SDK, from plugins and functions to intelligent planners.

1 Day

8 HOURS

5

MODULES

15

TOPICS

COURSE OVERVIEW

This course covers building a kernel and connecting Azure OpenAI to the Semantic Kernel SDK, followed by creating and using plugins. It then addresses native functions for giving AI agents skills, and combining custom prompts with functions to extend code. The course concludes with using intelligent planners to automate and optimise function calls.

WHO THIS COURSE IS FOR

AI Developers

Software Engineers

Solution Architects

Cloud Developers

Machine Learning Engineers

PREREQUISITES

- Familiarity with Azure AI Services and the Azure portal.

LEARNING OBJECTIVES

After completing this course, students will be able to:

- Build your kernel
- Create plugins for Semantic Kernel
- Give your AI agent skills
- Combine prompts with functions
- Use intelligent planners

5 Modules, 15 Topics

01

Build Your Kernel

TOPICS

- Understand the purpose of Semantic Kernel
- Learn how to connect Azure Open AI to the Semantic Kernel
- Learn how to use prompts with the Semantic Kernel

02

Create Plugins for Semantic Kernel

TOPICS

- Understand the purpose of Semantic Kernel plugins
- Learn how to use built-in plugins
- Learn how to create your own plugins

03

Give Your AI Agent Skills

TOPICS

- Understand native functions in the Semantic Kernel SDK
- Learn how to create plugins using native functions
- Use custom plugins to perform unique tasks

04

Combine Prompts with Functions

TOPICS

- Practice creating custom prompts and functions
- Combine prompts with functions to extend code

05

Use Intelligent Planners

TOPICS

- Understand planners in the Semantic Kernel SDK
- Learn how to use planners to automate function calls
- Learn how to optimize planners
- Learn how to use Semantic Kernel SDK to automatically invoke functions

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

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

Ready to Get Started?

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