

KOENIG SOLUTIONS · COURSE OUTLINE

AZ-2002: Develop an ASP.NET Core Web App That Consumes an API

Learn to build an ASP.NET Core web app that consumes APIs using Razor Pages, HTTP clients and Swashbuckle documentation.

4 Hours

DURATION

3

MODULES

6

TOPICS

3

HANDS-ON EXERCISES

4 hours (1/2 days)

COURSE OVERVIEW

The AZ-2002: Develop an ASP.NET Core web app that consumes an API course is designed to provide learners with the skills and knowledge needed to create web applications using ASP.NET Core that can interact with APIs. This course is divided into three modules, each focusing on different aspects of web development and API consumption. In Module 1, learners are introduced to ASP.NET Core APIs, the use of Swashbuckle to document APIs, and how to interact with an API through practical exercises. This module lays the foundation for understanding how APIs work within the ASP.NET Core framework. Module 2 delves into implementing HTTP operations within ASP.NET Razor Pages, exploring .NET Core HTTP clients, and providing hands-on experience with performing HTTP operations in a web application context. Finally, Module 3 focuses on rendering API responses effectively using Razor Pages. Learners will explore the project structure, syntax of Razor Pages, and apply their knowledge in a practical exercise that emphasizes displaying API data within a web page. This course will help learners to build robust and interactive web applications, enhancing their ability to consume APIs and present data seamlessly to end-users.

Who Should Attend

Learn to build dynamic web applications using ASP.NET Core and Razor Pages. Ideal for developers and IT professionals looking to enhance their skill set.

ASP.NET Developers

Web Developers seeking to transition to ASP.NET Core

Full Stack Developers

Software Engineers

IT Professionals interested in web application development

Technical Leads overseeing web development projects

Backend Developers wanting to learn front-end integration with Razor Pages

Computer Science and Software Engineering Students specializing in web technologies

Programmers looking to upgrade their skills with modern web development practices

DevOps Engineers who require understanding of ASP.NET Core applications for CI/CD processes

LEARNING OBJECTIVES

- Explore ASP.NET Core APIs and their structure
- Document an API by using Swashbuckle
- Interact with an API from a client application
- Explore HTTP clients available in .NET Core
- Implement HTTP operations in Razor Pages
- Explore the Razor Pages project structure

COURSE SYLLABUS

3 Modules, 6 Topics

01

Exercise

Interact with an ASP.NET Core Minimal API

TOPICS

Explore ASP.NET Core APIs · Document an API by using Swashbuckle

02

Exercise

Implement HTTP Operations in ASP.NET Razor Pages

TOPICS

Explore HTTP clients in .NET Core · Perform HTTP operations in Razor Pages

03

Exercise

Render API Responses in ASP.NET Core Razor Pages

TOPICS

Explore Razor Pages project structure · Discover Razor Pages syntax

Practise What You Learn

#	MODULE	ACTIVITY
01	Interact with an ASP.NET Core Minimal API	Interact with an API
02	Implement HTTP Operations in ASP.NET Razor Pages	Implement HTTP operations in Razor Pages
03	Render API Responses in ASP.NET Core Razor Pages	Render API responses in Razor Pages

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

Ready to Get Started?

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

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