



# Develop an ASP.NET Core web app that consumes an API (AZ-2002)

## Description

### Enhance Your ASP.NET Core Skills with AZ-2002

In a world where web applications are at the heart of digital usage, mastering ASP.NET Core is a major asset. The training “Develop a Web Application in ASP.NET Core that Consumes an API” (AZ-2002) equips you with the essential skills to build high-performance web applications integrating RESTful APIs. You will learn how to interact with an API, implement HTTP operations, and display API responses in a web application.

### A Comprehensive and Hands-On Training on .NET

This AZ-2002 course is designed for developers looking to deepen their expertise in .NET and service-based architectures. Through a step-by-step approach and practical exercises, you will discover how to optimize API integration and enhance the responsiveness of your applications. Join this training and learn how to design high-performance and modern web solutions.

#### Course Content

##### Module 1 : Interact with an ASP.NET Core minimal API

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

##### Module 2 : Implement HTTP operations in ASP.NET Core Blazor Web apps

- Explore HTTP clients in .NET Core
- Perform HTTP operations in Blazor Web apps

##### Module 3 : Render API responses in ASP.NET Core Blazor Web apps

- Explore Blazor render modes and component lifecycle
- Discover Razor syntax

#### Lab / Exercises

- This course provides you with exclusive access to the official Microsoft lab, enabling you to practice your

skills in a professional environment.

## **Documentation**

- Access to Microsoft Learn, Microsoft's online learning platform, offering interactive resources and educational content to deepen your knowledge and develop your technical skills.

## **Participant profiles**

- .NET developers looking to deepen their expertise in ASP.NET Core
- Software engineers specializing in web applications
- Front-end developers wanting to integrate APIs into their applications
- Software architects working on web solutions

## **Prerequisites**

- Intermediate experience in C# coding
- Proficiency in HTML and web concepts
- Knowledge of RESTful services and HTTP verbs

## **Objectives**

- Interact with an API in an ASP.NET Core application
- Document an API with Swashbuckle
- Implement HTTP operations in a Blazor web application
- Effectively use HttpClient and IHttpClientFactory
- Display API responses in a Blazor web application
- Understand the lifecycle of Blazor components

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## **Niveau**

Intermédiaire

## **Classroom Registration Price (CHF)**

900

## **Virtual Classroom Registration Price (CHF)**

850

## **Duration (in Days)**

1

## **Reference**

AZ-2002