



ASP.NET CORE WEB API & SECURITY

Course ID : DEV-VS-06



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Duration: 3 Days

(18 Hours) 09:00 AM – 04:00 PM



Price: 11,900 THB

* (excluding VAT 7%)

* Eligible for 200% tax deduction



Training Schedule

www.9experttraining.com

Category: Development

This course provides hands-on training in building service-oriented Web APIs using ASP.NET Core. Participants will learn how to design and develop APIs capable of serving data to various applications, including Angular-based web applications and mobile apps built with Xamarin. The course covers the complete development lifecycle—from architectural concepts to deployment—across multiple platforms such as Windows, Linux, and macOS.

Objectives

1. Develop service-oriented Web APIs capable of delivering data to various applications

Target Audience

1. Developers seeking to build Web APIs that provide data to both web and mobile applications

Prerequisites

1. Basic familiarity with Windows operating systems
2. Basic programming knowledge in C#

System Requirements

1. Windows 10 or 11
2. Microsoft Visual Studio (Community, Professional or Enterprise)
3. Microsoft SQL Server (Express or Developer)
4. SQL Server Management Studio (SSMS)

TRAINING TOPICS

DAY 1 Morning Session 9:00 AM – 12:00 PM

1. Web API Development

- Introduction to Service-Oriented Architecture (SOA)
- RESTful architecture and its core principles
- API structure, components, and workflow
- Creating APIs for efficient data retrieval

DAY 1 Afternoon Session 1:00 PM – 4:00 PM

- Filtering and searching data through APIs
- Adding new data via API endpoints
- Validating API requests and operations
- Updating existing data
- Deleting data using API methods

DAY 2 Morning Session 9:00 AM – 12:00 PM

2. API Consumption

- Techniques for calling, integrating, and consuming APIs

DAY 2 Afternoon Session 1:00 PM – 4:00 PM

3. Asynchronous API

- Benefits and use cases of asynchronous operations
- Reading data asynchronously
- Updating data asynchronously for improved performance

DAY 3 Morning Session 9:00 AM – 12:00 PM

4. Security

- Core principles of data and API security
- Implementing SSL for secure communication
- Managing Cross-Origin Resource Sharing (CORS)
- Implementing authentication mechanisms
- Using token-based authentication

5. Deployment

- Deploying APIs to production-ready environments



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