Web API and SignalR («WEBAPI»)

In this course you will learn the implementation of the interface of the relevant HTTP verbs (methods) as well as aspects of security and versioning. Web API is a framework for creating REST interfaces for .NET applications.

Duration: 2 days
Price: 1'500.–
Course documents: Digicomp Courseware

Content

Client-side HTML5 web applications and mobile applications now communicate with the backend via REST Services. ASP.NET Web API is the current .NET technology to implement the server side of the service. In this course you will learn how to implement the entire interface of the relevant HTTP verbs (methods) as well as security and versioning aspects.

Real-time web applications require bidirectional communication with the server. SignalR is a server- and client-side framework that supports WebSockets and allows calls from the server to the client in a simple way.

- Introduction to Web API
- REST and HTTP
- Querying resources
- Manipulation of resources
- OData
- Hosting of services and clients incl. Minimal Web API
- Security and versioning
- Practical application of SignalR

Key Learnings

- Make your server-side business functionality available to any client via a REST interface
- Notify your client-side HTML5 web application from the server

Target audience

Software developers who want to create a REST interface for mobile or web clients

Requirements

Good knowledge of C# or VB.NET and .NET as well as basic understanding of ASP.NET as taught in the following courses or equivalent knowledge:

- ASP.NET Blazor Advanced («BLADV»)
- Basics of web development with ASP.NET Core («CWG»)
- Modern Web Development with ASP.NET Blazor («ASPBLA»)
- ASP.NET Core Advanced («MVC»)

Further courses

Any questions?

We are happy to advise you on +41 44 447 21 21 or info@digicomp.ch. You can find detailed information about dates on www.digicomp.ch/courses-software-engineering/programming/web-programming/course-web-api-and-signalr