Adding a UI

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Overview

Introducing Blazor WebAssembly

Using NSwag and NSwagStudio

Exploring the client app

Adding a missing feature

Introducing Blazor WebAssembly

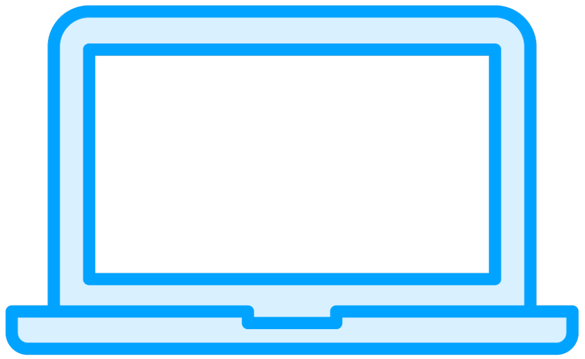
Blazor is a framework to build full stack web apps using C# and HTML and without JavaScript.

Blazor Hosting Models

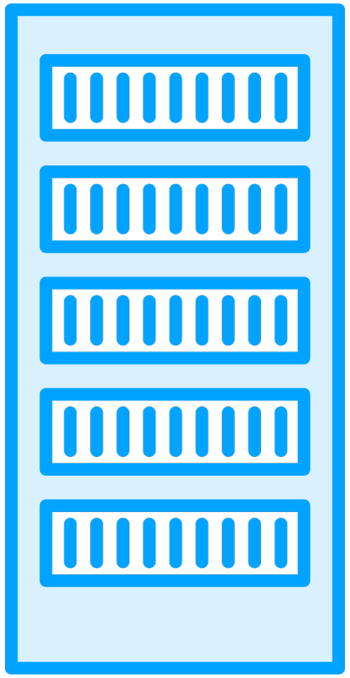
Blazor Client

WASM

Blazor WebAssembly



Blazor app
WebAssembly



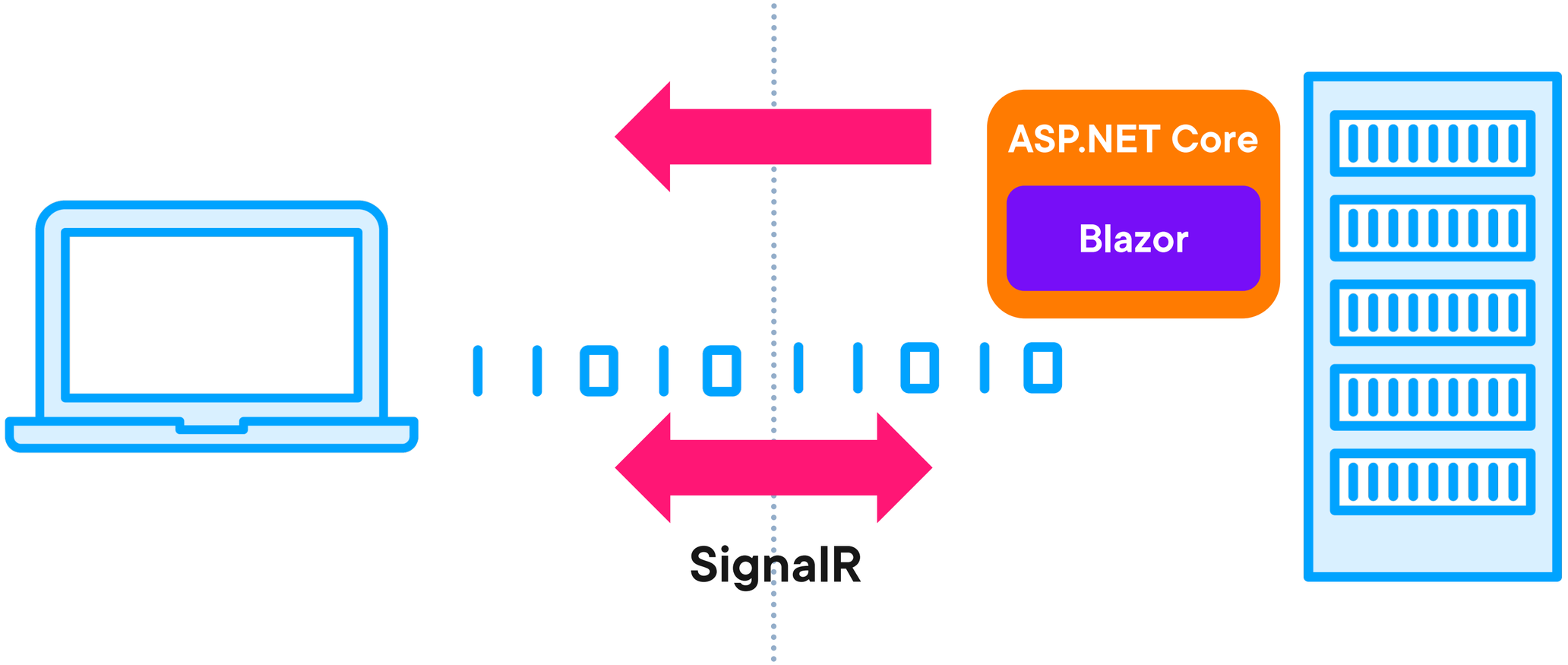
Blazor Hosting Models

Blazor Client

WASM

Blazor Server

Blazor Server



Blazor Hosting Models

Blazor Client

WASM

Blazor Server

Full Stack Web UI

Server-side rendering

Interactivity can be added

ASP.NET Core 6 Blazor Fundamentals

by Gill Cleeren

Blazor is Microsoft's technology to create rich web applications using C# and HTML. This course will teach you everything you need to know to build a full Blazor application using .NET 6.

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Course author

Gill Cleeren

Gill Cleeren is a Microsoft Regional Director, MVP and Pluralsight author. Gill is the CTO of Xpirit Belgium and focuses on web and mobile architecture. He's also a frequent speaker at many...

Course info

Level	Beginner
Rating	★★★★★ (10)
My rating	★★★★★
Duration	5h 42m
Updated	18 Oct 2022

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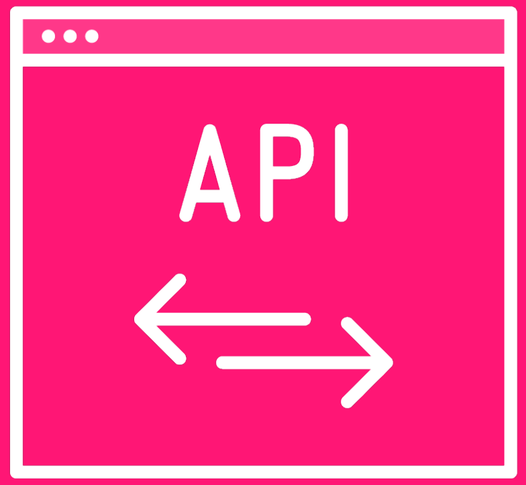
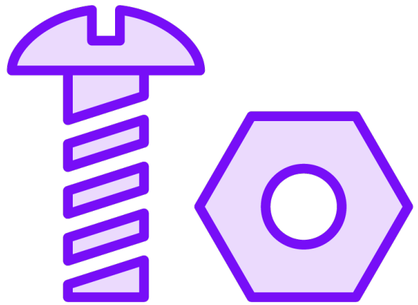
Using NSwag and NSwagStudio



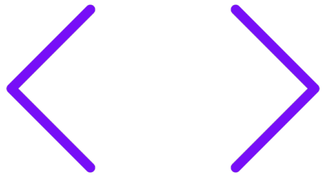
Accessing the API

We can write all code manually for each type of client we'll want to connect.

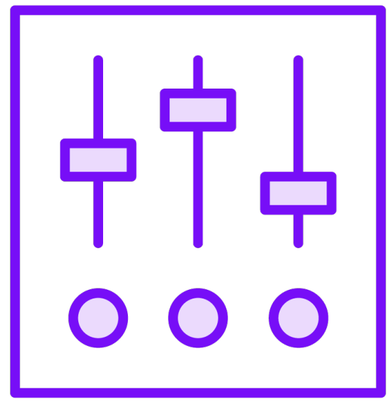
Using NSwag



Tooling based on Swagger/OpenAPI specification

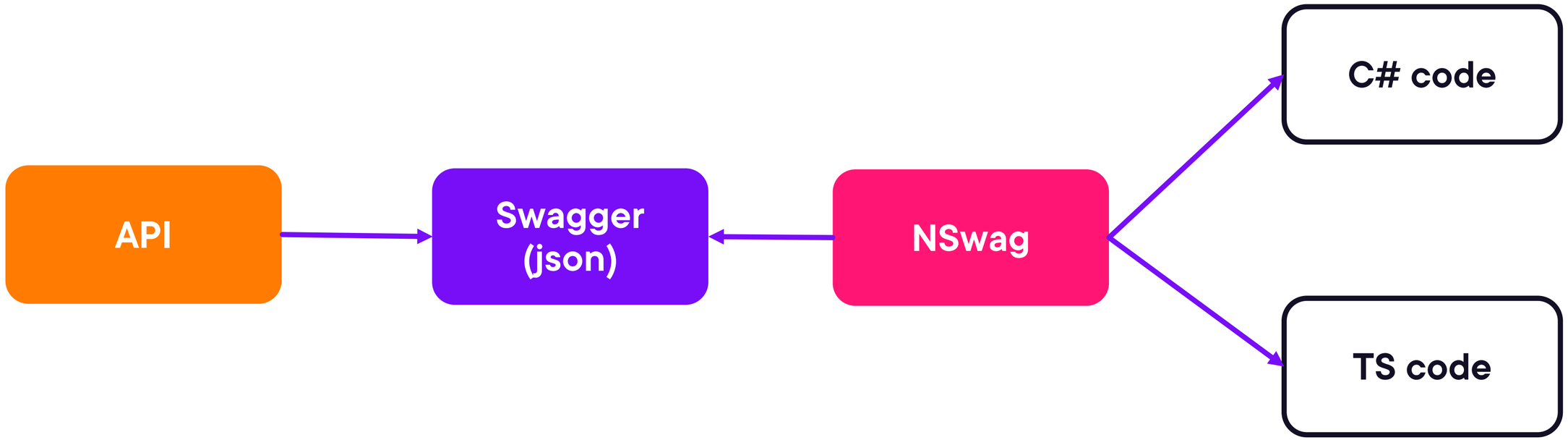


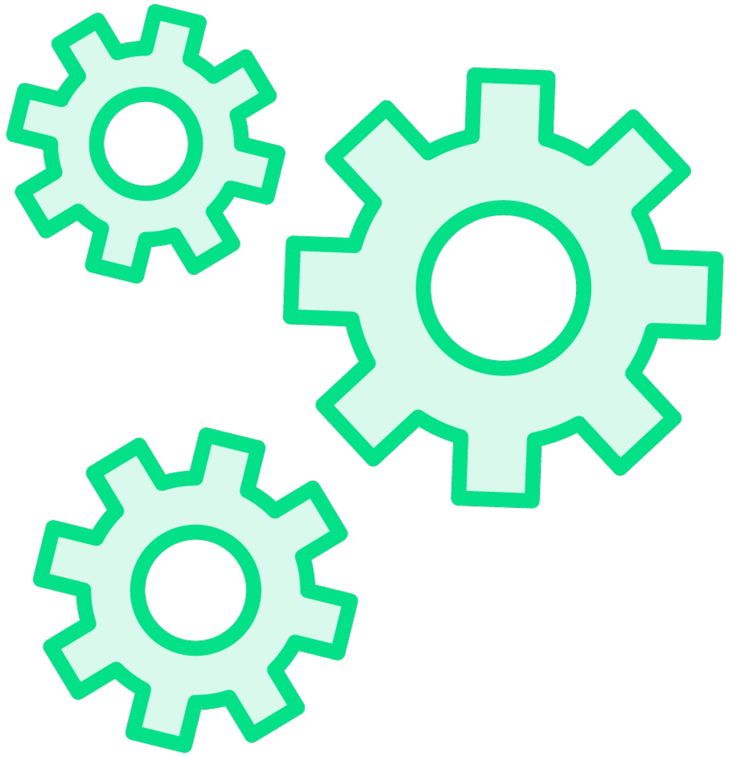
Generation of client code to use the API



Works for many technologies including .NET and TypeScript

Using NSwag

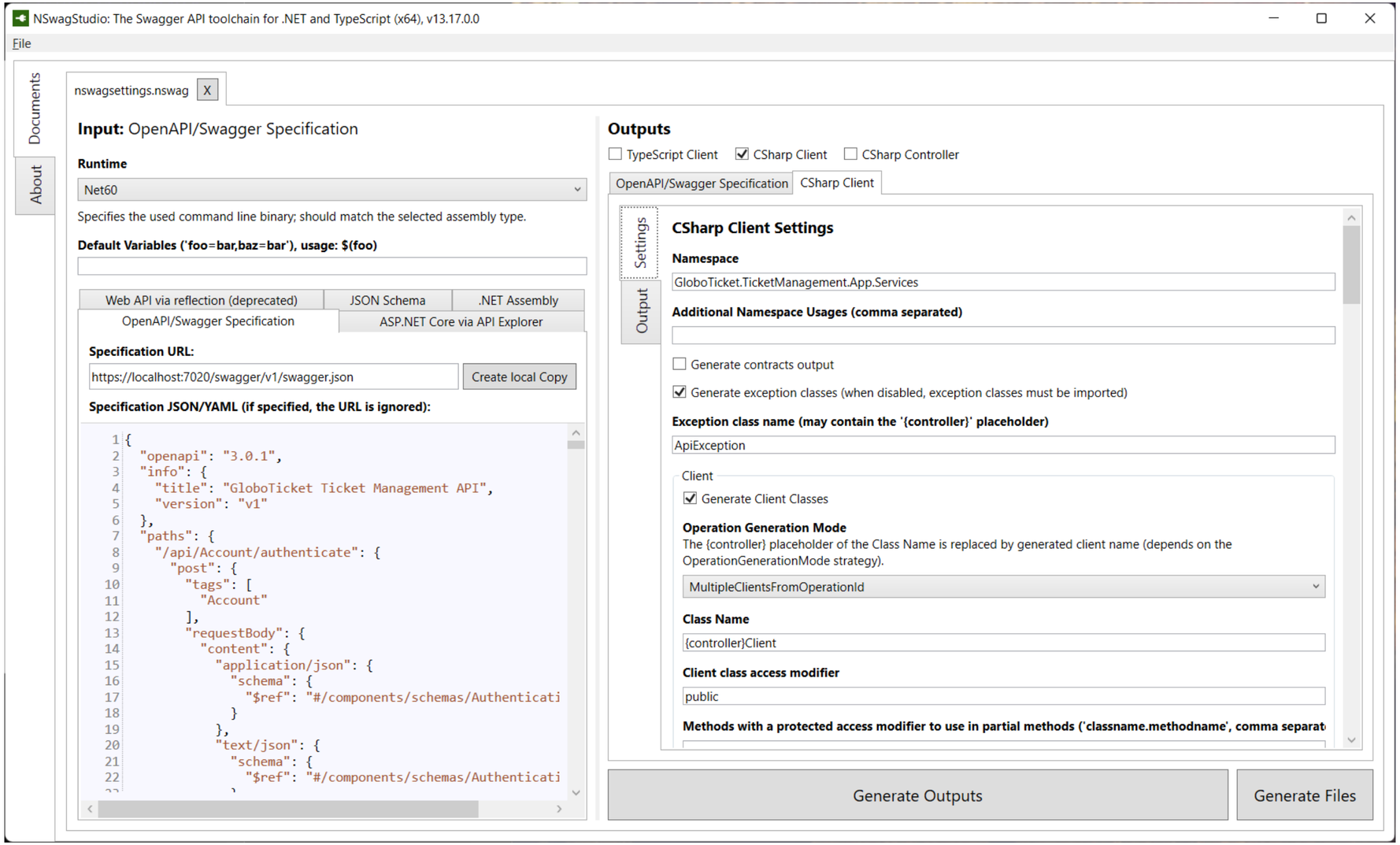




Using NSwag

- NSwagStudio
- Build
- CLI

NSwagStudio



Demo

Using NSwagStudio to generate client code

Exploring the Client App

The Blazor App

Packages

AutoMapper

HttpClientFactory

NSwag

Service code

Authentication

Covered in next module

Demo

Exploring the Blazor application

“The list of orders is now a bit too long.

Can we get it paged?”

Demo

Adding paging functionality on the API

Generating new code with NSwag

Updating the Blazor app

Summary

NSwag works well with Swagger API

- Less code to write

Blazor can plug in on our architecture

Up Next:

Handling cross-cutting concerns