Blazor

3.1.0-preview3.19555.2

Get Started

- Install Visual Studio 16.5.0 Preview 1 or later
  - https://visualstudio.microsoft.com/vs/preview/

- Install the Blazor WebAssembly template
  - `dotnet new -i Microsoft.AspNetCore.Blazor.Templates::3.1.0-preview3.19555.2`

- Create a new project ▷ Blazor App
  - Blazor WebAssembly App (ASP.NET Core hosted)
    - = WebAssembly App including appropriate hosting
  - Blazor WebAssembly App
    - = Naked WebAssembly App, useless without appropriate hosting
  - Blazor Server App
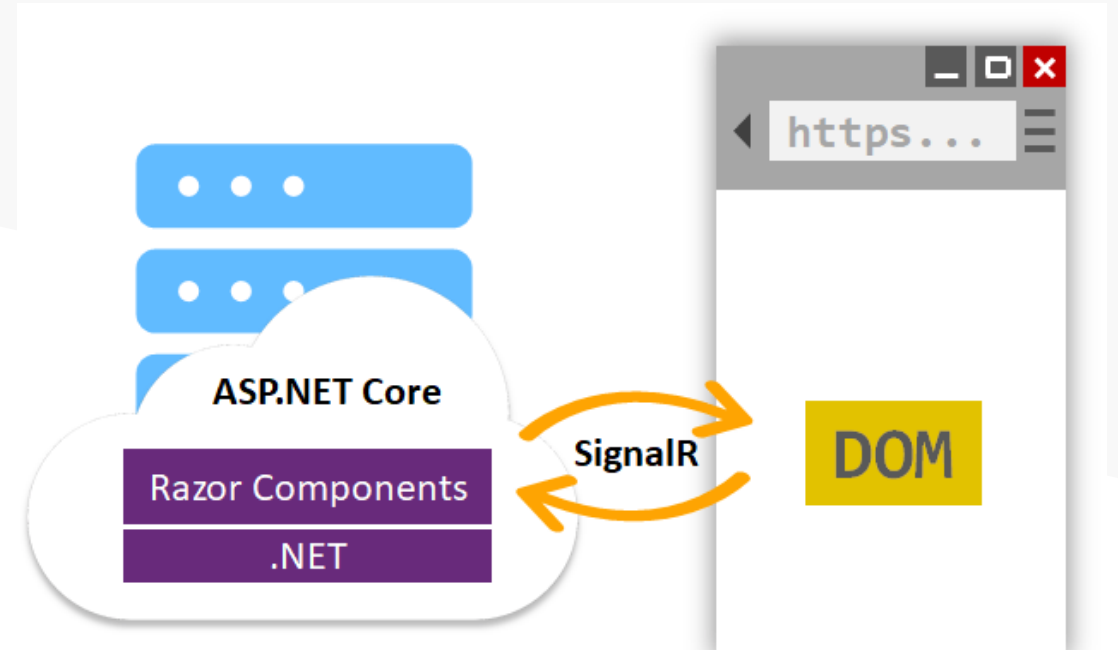   - = Classic MVC app with Blazor enbaled, Server-Side rendering

Details: https://docs.microsoft.com/en-us/aspnet/core/blazor/get-started

WebAssembly vs. Server

Blazor WebAssembly

Blazor Server
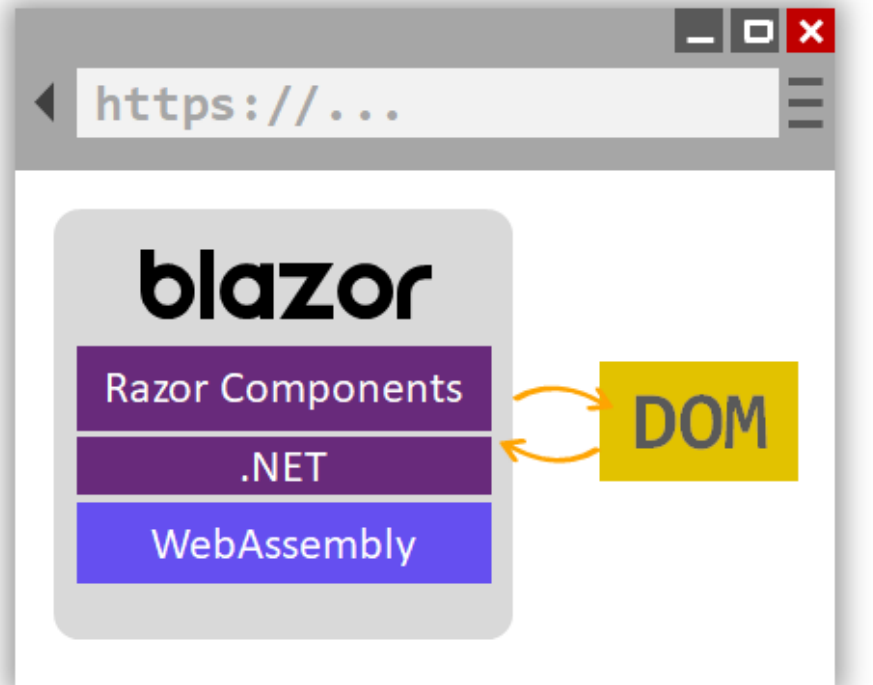
Details: https://docs.microsoft.com/en-us/aspnet/core/blazor/hosting-models

Supported Platforms

Blazor WebAssembly

Browser	
Microsoft Edge	✓
Mozilla Firefox	✓
Google Chrome & Android	✓
Safari & iOS	✓
Microsoft Internet Explorer	✗

Blazor Server

Browser	
Microsoft Edge	✓
Mozilla Firefox	✓
Google Chrome & Android	✓
Safari & iOS	✓
Microsoft Internet Explorer	11 †?

† Additional polyfills are required (for example, promises can be added via a Polyfill.io bundle).
  ▷ I didn't make it work

Details: https://docs.microsoft.com/en-us/aspnet/core/blazor/supported-platforms

Project File Structure

- The app's entry point
  - *Program.cs / Startup.cs*
- The root page of the app
  - *wwwroot/index.html / Pages/_Host.cshtml*
- The root component of the app
  - *App.razor*
- Pages, Components
  - Placed under Pages, Components
- Special files
  - MainLayout.razor
  - _Imports.razor

Details: https://docs.microsoft.com/en-us/aspnet/core/blazor/templates

Main Differences Between Templates

- Blazor WebAssembly App (ASP.NET Core hosted)
  - Assets published to "<ProjectName>/dist"
  - *FetchData.razor* uses `HttpClient` to load data

- Blazor Server App
  - Assets published to "wwwroot"
  - *FetchData.razor* uses `ForecastService` directly to load data

Details: https://docs.microsoft.com/en-us/aspnet/core/blazor/templates

Live coding

SCHICK
SOFTWARE ENTWICKLUNG

I've prepared something for you…
See branches talk/01* - talk/0n* for details

Sources + Demo

https://laterlist.de