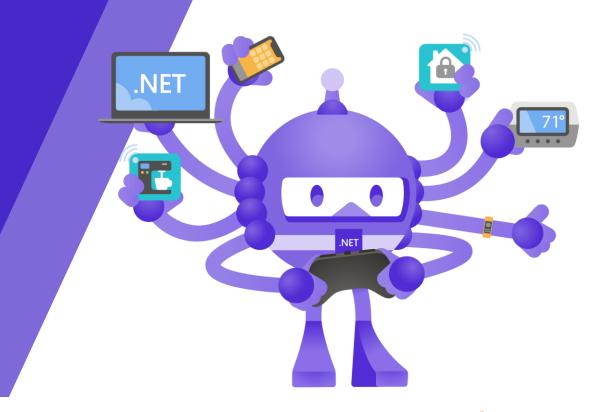
## .NET Conference 2024











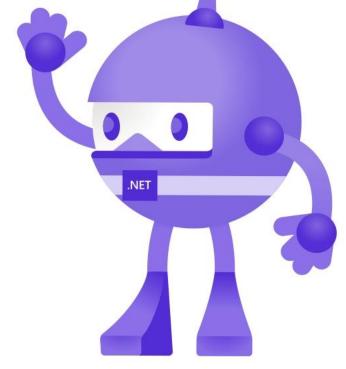
























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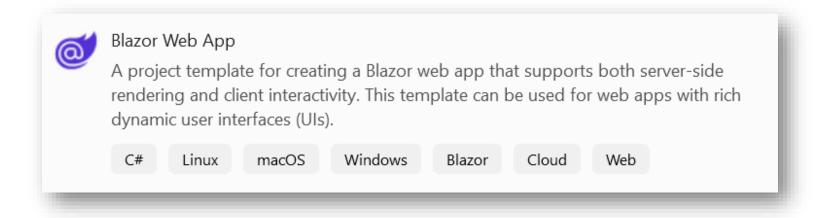
#### Blazor: Full Stack Web UI framework!

# "Blazor is a full-stack web UI framework and is recommended for most web UI scenarios."

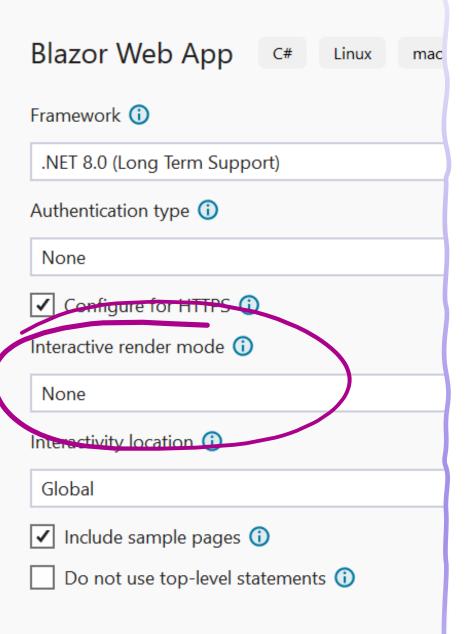
Source: <a href="https://learn.microsoft.com/en-us/aspnet/core/tutorials/choose-web-ui">https://learn.microsoft.com/en-us/aspnet/core/tutorials/choose-web-ui</a>



## New project template: Blazor Web App







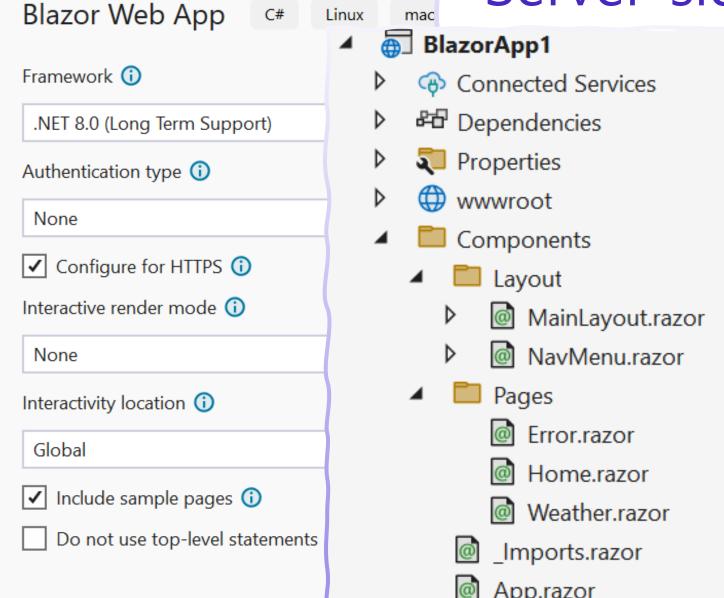
## Server-side Rendering (SSR)

Blazor is operating like MVC or Razor Pages.

SEO friendly



## Server-side Rendering (SSR)





## Streaming Rendering

The component initially renders placeholder content ("Loading...") without waiting for the asynchronous delay to complete.

Asynchronous operation are executed

The updated content is streamed to the response and patched into the DOM



## Enhanced navigation

Blazor intercepts the request navigation and performs a fetch request instead, rather than a full-page load. Blazor patches the response content into the page's DOM.





## Enhanced form handling

- Blazor intercepts the form submit and performs a fetch request instead, without fully reloading the page.
- To enable enhanced form handling, add the Enhance parameter to EditForm forms or the data-enhance attribute to HTML forms (<form>)





# DEMO



# Interactive render modes



#### Additional information Blazor Web App macOS Linux Framework (i) .NET 8.0 (Long Term Support) Authentication type (i) None Configure for HTTPS (i) Interactive render mode (i) Server vicine Server WebAssembly Auto (Server and WebAssembly) Do not use top-level statements (i) Enlist in .NET Aspire orchestration (i)

#### InteractiveServer

Use **Blazor Server** for interactive components.

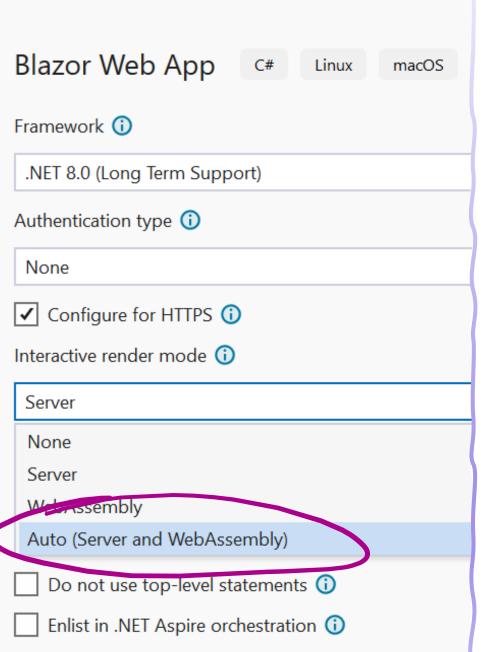


#### Additional information Blazor Web App Linux macOS Framework (i) .NET 8.0 (Long Term Support) Authentication type (i) None ✓ Configure for HTTPS 🕦 Interactive render mode (i) Server None Carel WebAssembly Do not use top-level statements (i) Enlist in .NET Aspire orchestration (i)

## InteractiveWebAssembly

Use **Blazor WebAssembly** for interactive components.





#### InteractiveAuto

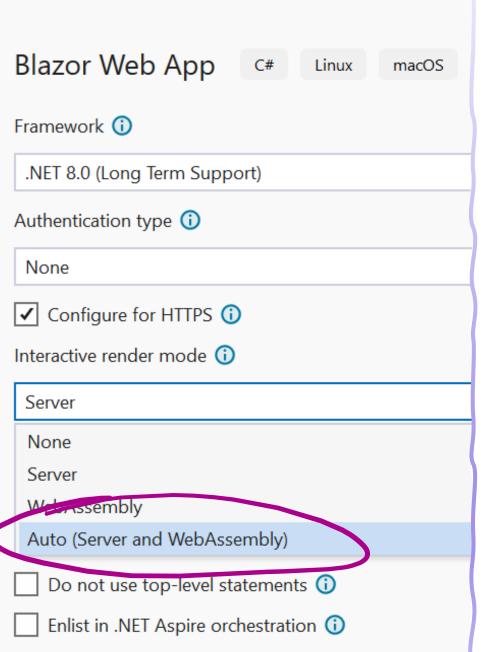
Components initially rendered and use **Blazor Server**.

In background the browser download the Blazor WebAssembly app.

At next request, the components use **Blazor WebAssembly** app.







#### InteractiveAuto

Components initially rendered and use **Blazor Server**.

In background the browser download the Blazor WebAssembly app.

At next request, the components use **Blazor WebAssembly** app.



## Interactivity location

#### **Globally** (App.razor)

<Routes @rendermode="InteractiveServer" />

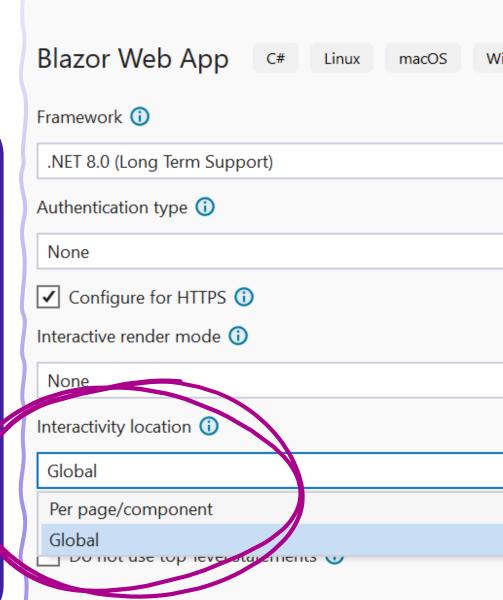
#### **Component instance**

<Counter @rendermode="InteractiveServer"/>

#### **Component definition**

@page "/counter"
@rendermode InteractiveServer

#### Additional information



## Dependency Injection (client/server)

In the server project, in the Program.cs for SSR and InteractiveServer.

If application use InteractiveWebAssembly, in the project \*.Client we have a Program.cs for define client dependencies

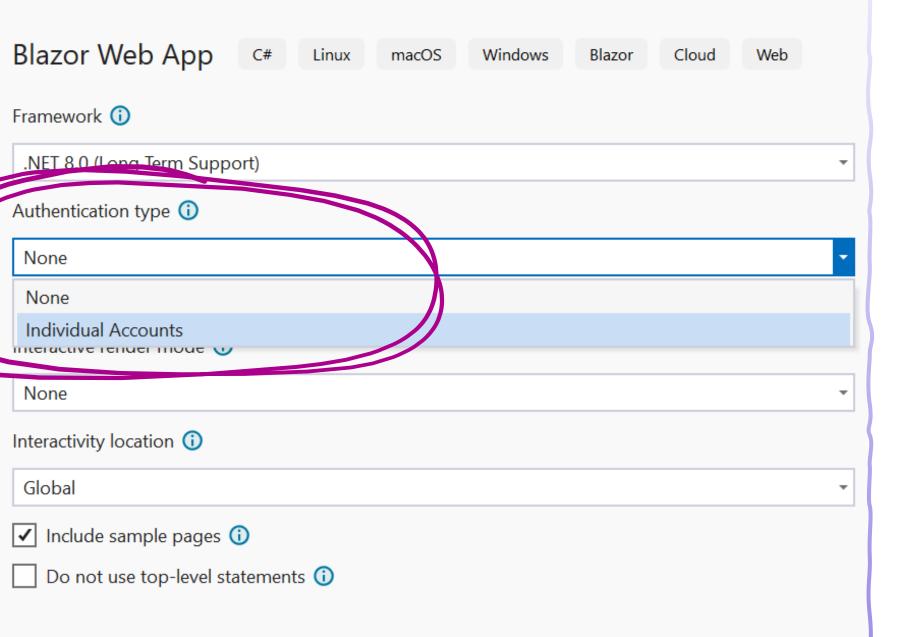


# DEMO



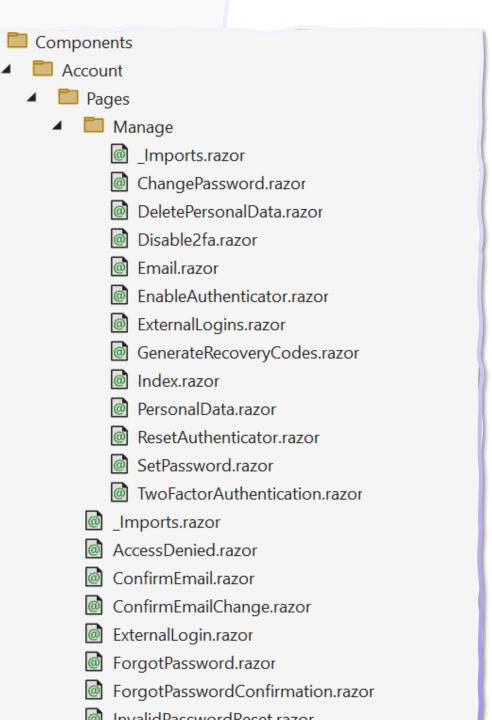
# Blazor Identity UI







Blazor Web App Windows Linux macOS Framework (i) .NET 8.0 (Long Term Support) Authentication type (i) None None Individual Accounts nteractive render mode 😈 None Interactivity location (i) Global Include sample pages (i) Do not use top-level statements (i)





#### Section

Control the content in a Razor component from a child Razor component.

Sections can be used in both layouts and across nested parent-child components.



## Migrate to .NET 8

- "Blazor Server apps are supported in .NET 8 without any code changes."
- "Blazor WebAssembly apps are supported in .NET 8 without any code changes."
- Update the .NET SDK version in global.json
- Update the target framework to net8.0
- Update package references to .NET 8



## Migrate to Blazor Web App (.NET 8)

To optionally adopt all of the new Blazor Web App conventions, we recommend the following process:

- Create a new app from the Blazor Web App project template.
- Move the your app's components and code to the new Blazor Web App app, making modifications to adopt new features.
- Update the layout and styles of the Blazor Web App.



### Code and slide

Repository Umarell-BlazorWebApp

https://github.com/andreadottor/Umarell-BlazorWebApp





## Grazie!







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#### **VOTAZIONE**

La tua opinione è importante Aiutaci a migliorare dandoci il tuo feedback sull'evento

