



Microsoft®
Silverlight™

Hannes Preishuber

Silverlight for Websites



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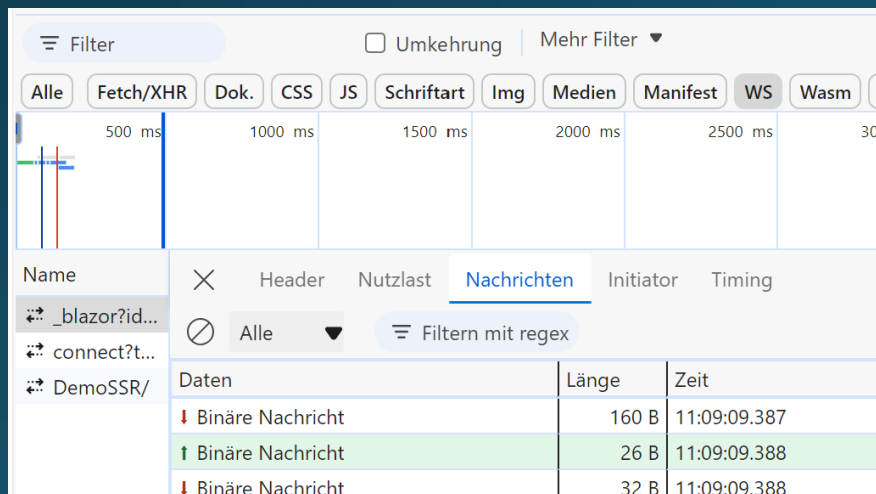
Blazor for Websites

The Goal: Website

- Great UI
 - Shared Resources like Navigation not possible with mix .cshtml
- SEO
- Fast Deep Linking
- Coding
- Simple as can be
- Server rendered
 - No API risk and overhead

Blazor in 60 seconds

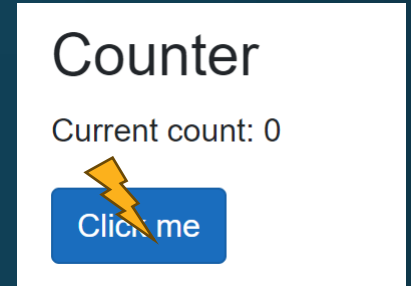
- Add on asp.net
- target: Single Page Application with less JavaScript
- Productivity
- Server use Websockets with open Connection
 - Renders HTML Snippets



```
.....BeginInvo
keDotNetFromJS..
5..DispatchEvent
Async...8[{"even
tHandlerId":5,"e
ventName":"click
","eventFieldInf
o":null},{"detai
l":3,"screenX":3
```

Render Modes

- Static Server Side Rendering
- Interactive Server
- Side Rendering
- Web Assembly WASM –Client Side Rendering
- Auto =both
 - Prerender
- Hybrid
 - WPF
 - New VS Template MAUI & Web

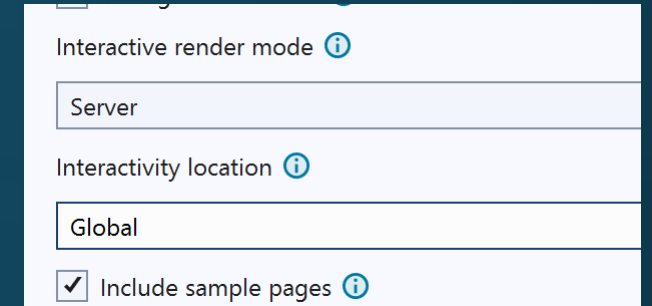


chỗ đây

Router sẽ render nội dung phía client

Scope of Render Mode

- Global
 - App.razor
 - Program.cs
- Per Page Route
- Per Component Call



Enhanced Navigation

- Fetch
- Prevent `<a ... data-enhance-nav="false"`

Demossk.styles.css	504	stylesh...	Andere	117 B
weather	200	fetch	blazor.web.js:1	4.1 kB

```
<!DOCTYPE html>
<html lang="en">
  <head>
  </head>
  <body>
    <div class="page" b-7p5p3wetty>
      <div class="sidebar" b-7p5p3wetty>
      </div>
      <main b-7p5p3wetty>
        <div class="top-row px-4" b-7p5p3wetty>
        </div>
        <article class="content px-4" b-7p5p3wetty == $0>
          <h1>Hello, world!</h1>
          " Welcome to your new app. "
        </article>
      </main>
    </div>
    <div id="blazor-error-ui" b-7p5p3wetty>
    </div>
    <script src="_framework/blazor.web.js"></script>
    <!-- Visual Studio Browser Link -->
    <script type="text/javascript" src="/_vs/browserLink" async="async" id="__b
rowserLink_initializationData" data-requestid="f61940ed756645e38754029d1a46
b90c" data-requestmappingfromserver="false" data-connecturl="http://localho
st:58265/51538967dc9548a492945d3cdbf07c/browserLink"></script>
    <!-- End Browser Link -->
  </body>
```

Streaming Rendering

- Just keep the request open
- @attribute [StreamRendering(true)]

Name	Header	Vorschau	Antwort	Initiator	Timing
weather			<pre>39 <script type="text/javascript" src="//_vs/br 40 <!-- End Browser Link --> 41 </body></html><!--6fd27cc3-1f1f-4341-9052-5 42 43 <h1>Weather</h1> 44 45 <p>This component demonstrates showing data 46 <th>Temp. (C)</th> 47 <th>Temp. (F)</th> 48 <th>Summary</th></tr></thead> 49 <tbody><tr><td>28.10.2024</td> 50 <td>29</td></pre>		

Web Designer

- F12 Browser Tools
 - Do you use Browser Link?
- Visual Studio Hot Reload
- Compile at runtime?
 - ASPX Pages rules!
 - Asp.net runtime compilation
 - Nop for blazor

New to 9

- RenderInfo Name
 - Static, Server, WebAssembly, WebView
- IsInteractive
- AssignedRendermode
 - InteractiveServer, InteractiveAuto, InteractiveWebAssembly
- ExcludeFromInteractiveRouting

Static Assets

- Wwwroot
- Caching, Etag, Last-Modified
- Middleware 9
 - MapStaticAssets
 - Compression at Build Time

Enhance a SSR Form

- HTTP Get
- Data-enhance
- @formname => Razor Handler
- OnInit => OnGet
- If Method Post
 - <AntiforgeryToken

Form for SSR & Server render

- Enhance
 - FORM data-enhance EditForm Enhance
- @formname
- @onsubmit="Submit"
 - Or classic @onclick
- SupplyParameterFromForm
- <AntiforgeryToken/>

Render Component htmlRenderer

- Usage eg Email Template
- Component and Parameters
- Within UI Dispatcher



[ppedvAG/DemoDeveloperdaysWarsaw](#)