



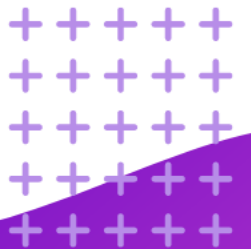
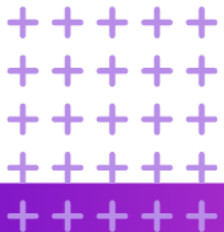
**Blazor**  
Conf 2023



# Riusare i nostri componenti con Blazor Custom Elements

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# Un grazie agli sponsor



E alle community che ci hanno supportato



*«Sì, Blazor è molto interessante ma noi abbiamo  
già il nostro frontend fatto con  
<React/Angular/quellochevipare>.  
Non possiamo certo rifarlo!»*

*(cit. AA.VV.)*

## Blazor custom elements

Experimental support is also now available for building custom elements with Blazor using the [Microsoft.AspNetCore.Components.CustomElements](#) NuGet package. Custom elements use [standard HTML interfaces](#) to implement custom HTML elements.

To create a custom element using Blazor, register a Blazor root component as custom elements like this:

```
options.RootComponents.RegisterAsCustomElement<Counter>("my-counter");
```

You can then use this custom element with any other web framework you'd like. For example, here's how you would use this Blazor counter custom element in a React app:

```
<my-counter increment-amount={incrementAmount}></my-counter>
```

See the [Blazor Custom Elements](#) sample project for a complete example of how to create custom elements with Blazor.

This feature is experimental because we're still working out some of the details for how best to support custom elements with Blazor. We welcome your feedback on how well this particular approach meets your requirements.

<https://devblogs.microsoft.com/dotnet/asp-net-core-updates-in-net-6-rc-1/>



***Ma che cazzo stai a di'?***



# «Così de botto senza senso» (cit.)

## Blazor custom elements no longer experimental

The previously experimental [Microsoft.AspNetCore.Components.CustomElements](#) package for building [standards based custom elements](#) with Blazor is no longer experimental and is now part of the .NET 7 release.

To create a custom element using Blazor, register a Blazor root component as a custom element like this:

```
options.RootComponents.RegisterCustomElement<Counter>("my-counter");
```

You can then use this custom element with any other web framework you'd like:

```
<my-counter increment-amount="10"></my-counter>
```

For additional details, refer to the Blazor docs on [building custom elements](#).

<https://devblogs.microsoft.com/dotnet/asp-net-core-updates-in-dotnet-7-preview-6>





# HTML Custom Elements

È una classe che estende HTMLElement

Viene registrata nel DOM tramite il metodo:

```
customElements.define('my-element', MyElement)
```

Il nome **DEVE** contenere un *hyphen* (-) al suo interno (es. *my-element*)

I parametri utilizzano la sintassi kebab-case (es. *my-param="1"*)

<https://html.spec.whatwg.org/multipage/custom-elements.html#custom-elements>

# Blazor Custom Elements

```
dotnet add package Microsoft.AspNetCore.Components.CustomElements
```

```
// Blazor WebAssembly  
builder.RootComponents.RegisterAsCustomElement<MyComponent>("my-component");
```

```
// Blazor Server  
builder.Services.AddServerSideBlazor(options =>  
{  
    options.RootComponents.RegisterAsCustomElement<MyComponent>("my-component");  
});
```

Includere il file *Microsoft.AspNetCore.Components.CustomElements.lib.module.js*

```
<my-component my-parameter="1"></my-component>
```



# Demo

<https://www.github.com/albx/blazorcustomelementsdemo>

# Bonus Track

E se non stessimo utilizzando né React, né Angular, né altri framework?!

# Blazor in un sito web statico

Sito web statico fatto con Hugo (<https://gohugo.io>)

Blog personale (il mio blog personale <https://www.morialberto.it/blog>)

Widget di rating dei post (👍👎) scritto in Blazor WASM

GitHub action che copia i file Blazor necessari nelle folder di Hugo



# Demo #2

<https://www.github.com/albx/morialberto.it>



# Concludendo

Ma mi serve davvero?

Finchè il componente è autonomo è tutto abbastanza semplice

Se devo agire su EventCallback o cambiare parametri dinamicamente il processo è un attimo più macchinoso

E comunque io aspetto con ansia Blazor United & co. 😊

# Grazie a tutti!



<https://www.linkedin.com/in/morialberto>



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