



Blazor – is C# the one ring to rule them all?

tershouse meetup, 2020-04-14

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What is Blazor

And how we got here

How we got here

- .NET Core
- .NET Standard
- Razor
- WebAssembly (Wasm)
 - [Kiril Cherkashin – What's inside WebAssembly](#)

Browser

+

Razor

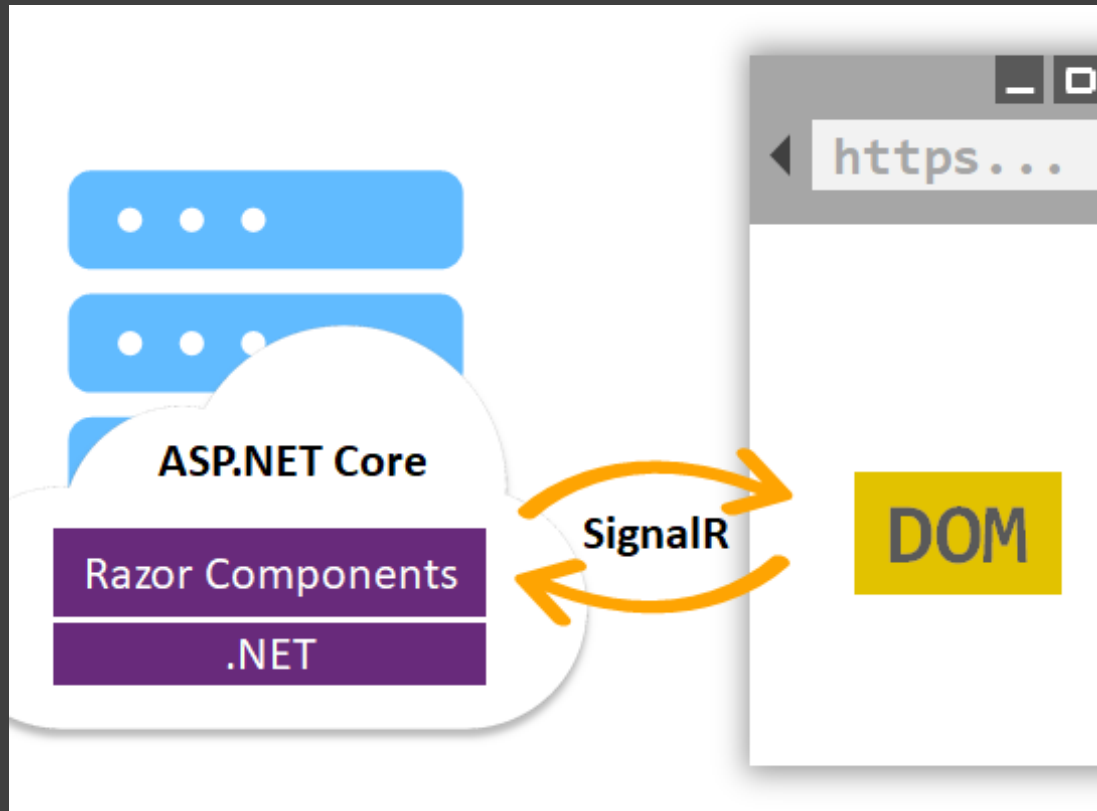
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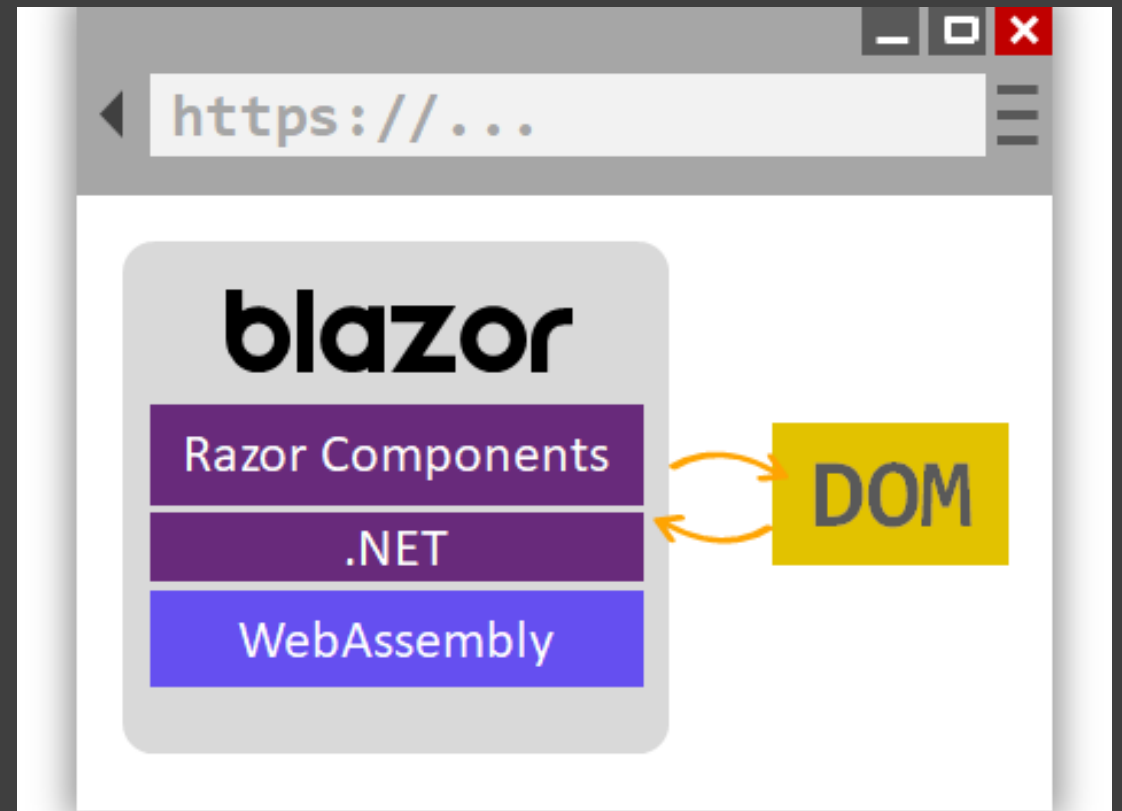
Blazor

Blazor

Blazor Server



Blazor Wasm



Demo time

Let's check out what happens in DevTools!

All code available on [GitHub](#)

Cool stuff we can do

And cool stuff we can hack

Cool features

- Sharing data models
- Sharing code
- Reusing components (Razor Component Library)
- 2 way binding
- Validation
- JS Interop
- PWA

Useful links:

- blazor.net
- [Microsoft Docs](https://docs.microsoft.com/en-us/aspnet/core/blazor/)
- [AwesomeBlazor](https://awesomeblazor.com/)
- [Ed Charbeneau](https://twitter.com/edcharbeneau)

Useful groups:

- [ASP.NET Core \(FB\)](https://www.facebook.com/aspnetcore/)
- [ASP.NET Core \(LinkedIn\)](https://www.linkedin.com/groups/10412231/)

What's next?

Where Blazor wants to be in the long run

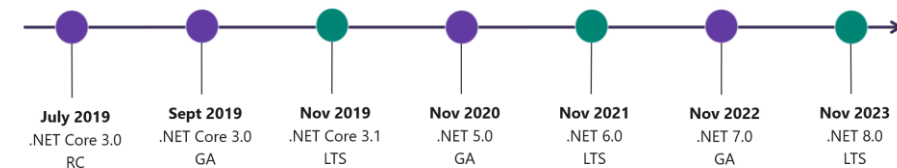
.NET 5

- .NET 5 will include
 - ASP.NET Core
 - Entity Framework Core
 - WinForms
 - WPF
 - Xamarin
 - ML.NET
- Unified BCL (Base Class Library)
- Preview 1 already available:
 - <https://devblogs.microsoft.com/dotnet/announcing-net-5-0-preview-1/>

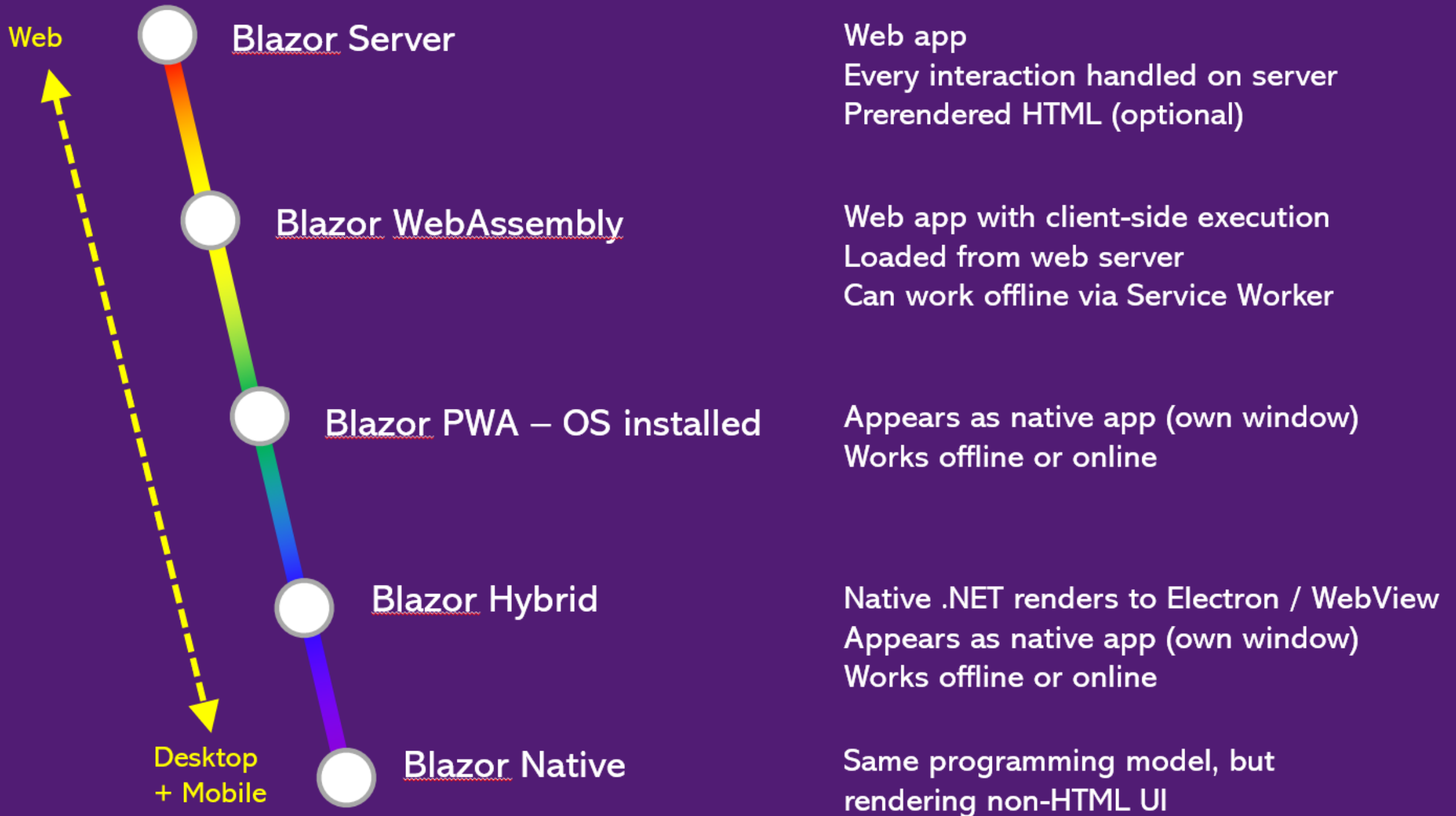
.NET – A unified platform



.NET Schedule



- .NET Core 3.0 release in September
- .NET Core 3.1 = Long Term Support (LTS)
- .NET 5.0 release in November 2020
- Major releases every year, LTS for even numbered releases
- Predictable schedule, minor releases if needed



Experimental Mobile Blazor Bindings

- Native mobile apps for iOS and Android using C# and .NET
- Familiar coding patterns
- Xamarin.Forms native UI components
- Useful links:
 - <https://docs.microsoft.com/en-us/mobile-blazor-bindings/>
 - <https://itnext.io/blazor-and-native-mobile-apps-9177c5a6488b>
 - <https://devblogs.microsoft.com/aspnet/mobile-blazor-bindings-experiment/>

```
<StackLayout>
  <Label FontSize="30"
    Text="@("You pressed " + count + " times")" />
  <Button Text="+1"
    OnClick="@HandleClick" />
</StackLayout>
```

```
@code {
  int count;

  void HandleClick()
  {
    count++;
  }
}
```



Conclusion: Is Blazor going to take over everything?

No(t yet?)