

Lo strano caso del dottor Xamarin e di mister Blazor

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Chi sono



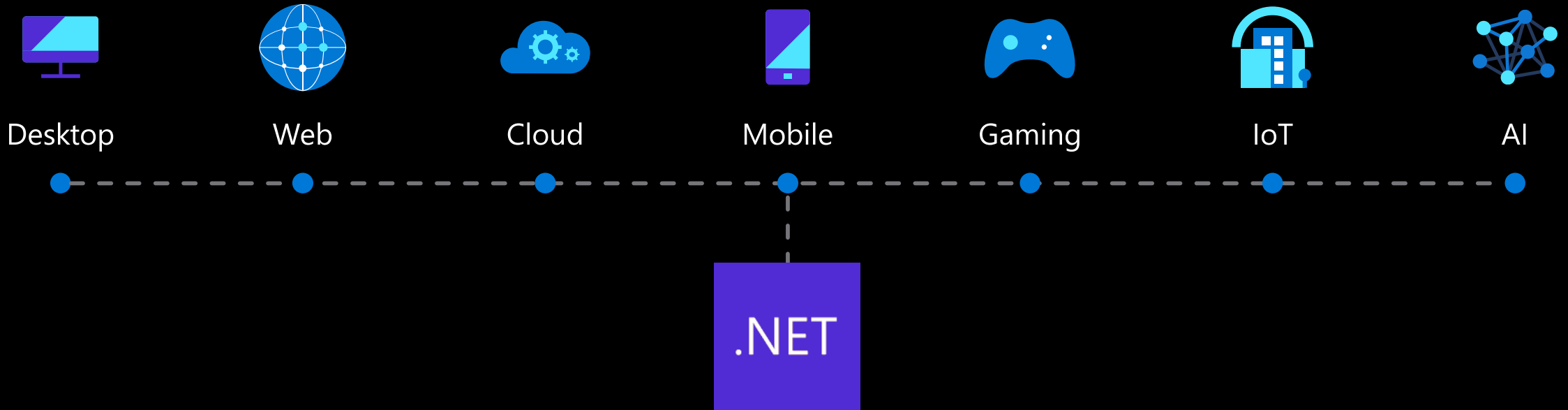
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- MCPD - Designing and Developing Web Applications
- MCPD - Designing and Developing Windows Azure Applications
- MCTS ASP.NET, ADO.NET e WCF



.NET

Your platform for building anything





VS



Le novità Xamarin Forms 4.5

Ultima release disponibile: **Xamarin.Forms 4.5.0.617 (4.5.0 Service Release 4)**




1- At the end : AndroidX

Xamarin.Forms now uses the latest AndroidX libraries from Google. These replace the Android Support libraries which are no longer being updated.

2- Embedded Fonts

Now to use fonts you only need to add them to your Xamarin.Forms shared library as embedded resources and reference them with an assembly tag, rather than adding them to multiple platforms, each with their own implementation rules. To your AssemblyInfo.cs add:

C#

 Copy

```
using Xamarin.Forms;

[assembly: ExportFont("CuteFont-Regular.ttf")]
```

2- Embedded Fonts

Then to use the font in XAML, reference that name:

XAML

Copy

```
<Label Text="Hello Embedded Fonts" FontFamily="CuteFont-Regular"/>
```

3- Shell Modals

Whether you are using tabs or a fly-out menu, Shell is the easiest way to get started with your cross-platform mobile application. A favorite aspect of using Shell is the URI based navigation service that is omnipresent. Now, the ability to display modal pages uses that very same URI method. By using the new *Shell.PresentationModel* attached property, can describe your intention for any page you want to present as a modal.

```
<ContentPage x:Class="RegistrationModal" Shell.PresentationMode="ModalAnimated">  
    // your content  
</ContentPage>
```


4 - CarouselView and IndicatorView (Preview)

Now are available CarouselView and IndicatorView

```
<CarouselView IndicatorView="MyIndicators">...</CarouselView>  
  
<IndicatorView x:Name="MyIndicators"/>
```

The carousel also has implemented four [visual states](#) to make it easier to style. The following represent the visual state for:

- 1.CurrentItem** – currently displayed item.
- 2.PreviousItem** – previously displayed item.
- 3.NextItem** – the next item.
- 4.DefaultItem** – remainder of the items.

5 – Swipe View (Preview)

Reveal contextual content when swiping in specific directions by wrapping any control with a SwipeView. The community has been very inspired by this control and have been using it in many different ways! We are working hard to stabilize this control by implementing [many requested improvements](#).

6 – Media Element (Preview)

Brand new in this release is MediaElement, a base control for playback of audio and video. See this control featured in our [XamarinTV sample app](#), which was featured during the [Microsoft Surface Dual-Screen live event](#) from Redmond. The control is extremely easy to use! Add the control to your layout, then set the source to any secure media URI.

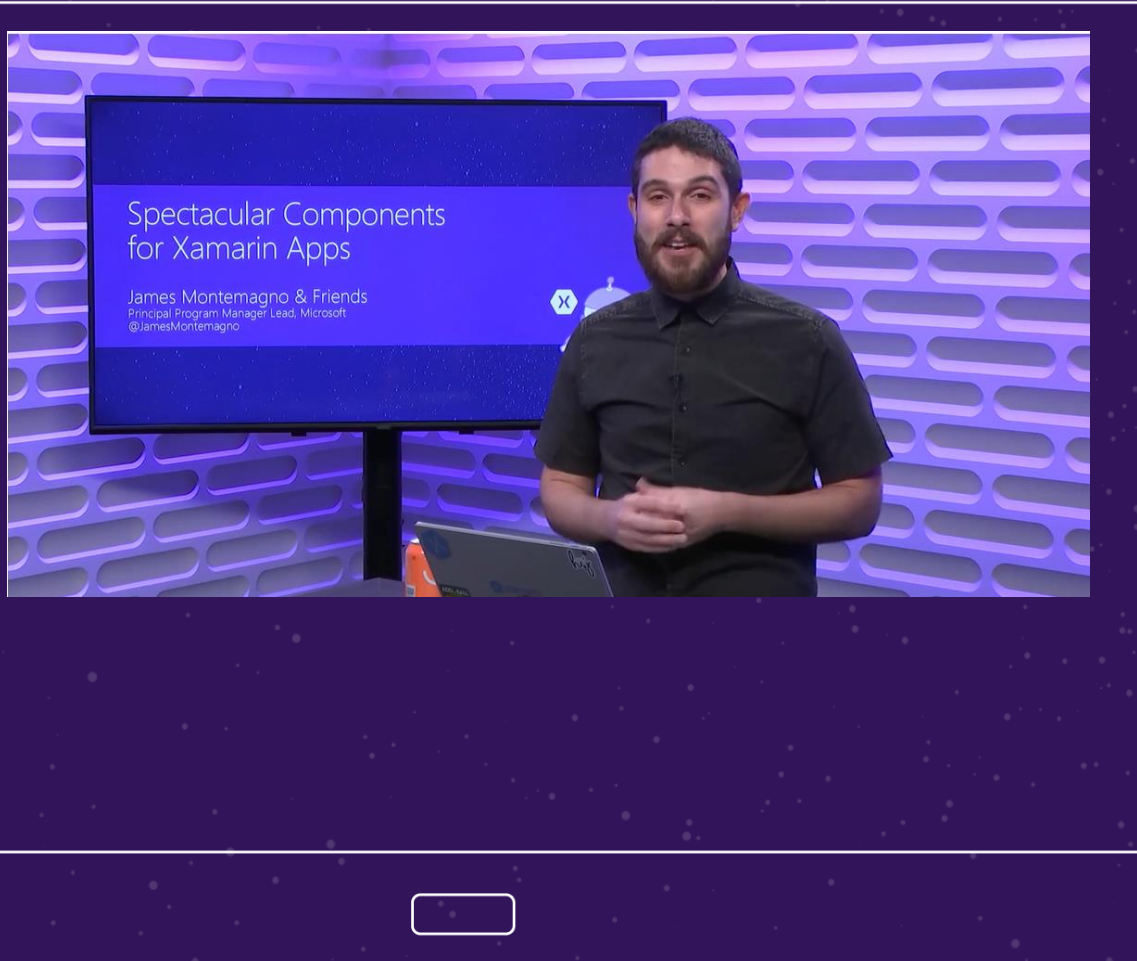
```
<MediaElement Source="http://sec.ch9.ms/ch9/5d93/a/XamarinShow_mid.mp4" />
```

7 – State Triggers (Preview)

We have added state triggers in support of new dual-screen experiences, the new MediaElement, and generally to be more useful.

1. [Adaptive Trigger](#) – reacts to changes in the width and height of an application window.
2. [Compare Trigger](#) – occurs when two values are compared.
3. [Device Trigger](#) – occurs when running on the specified device.
4. [Orientation Trigger](#) – occurs when the device orientation changes.

Spectacular Components for Xamarin Apps



Channel 9

.NET

<https://channel9.msdn.com/Events/dotnetConf/Focus-on-Xamarin/Spectacular-Components-for-Xamarin-Apps>

Che cos'è Blazor?

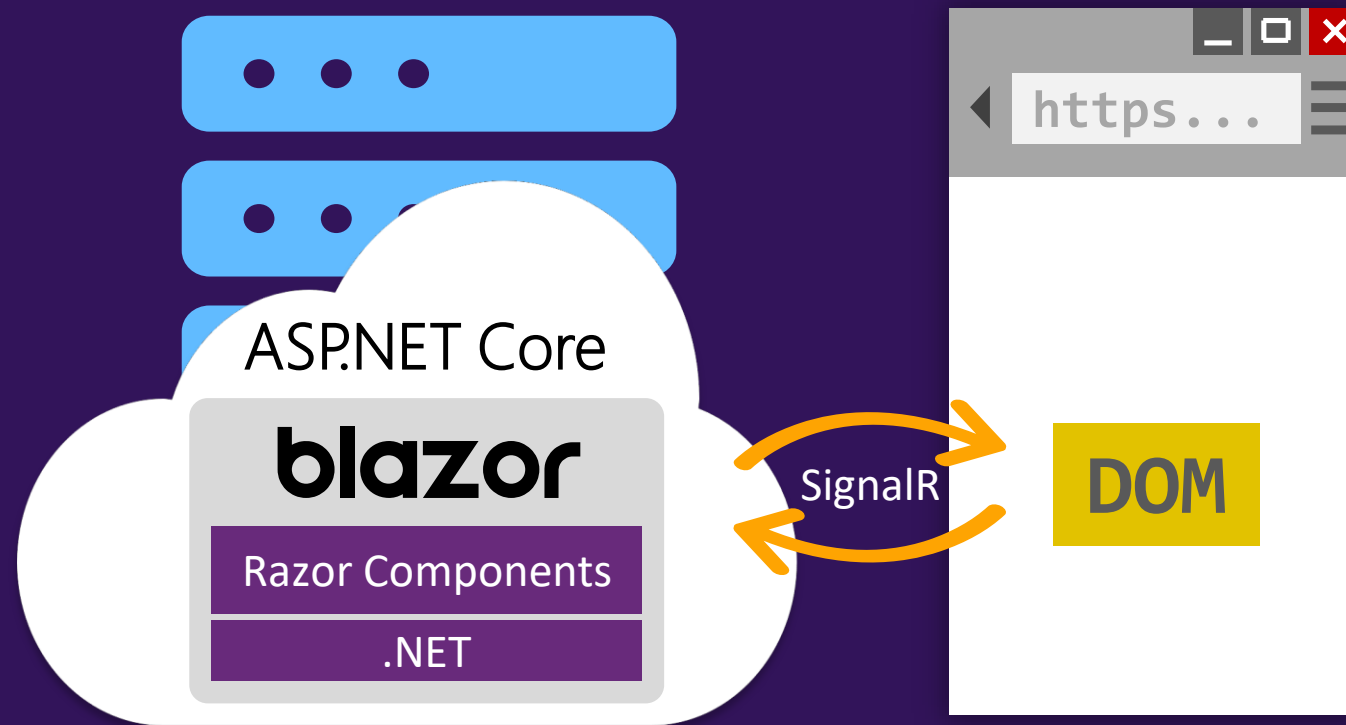
.NET





Come funziona Blazor

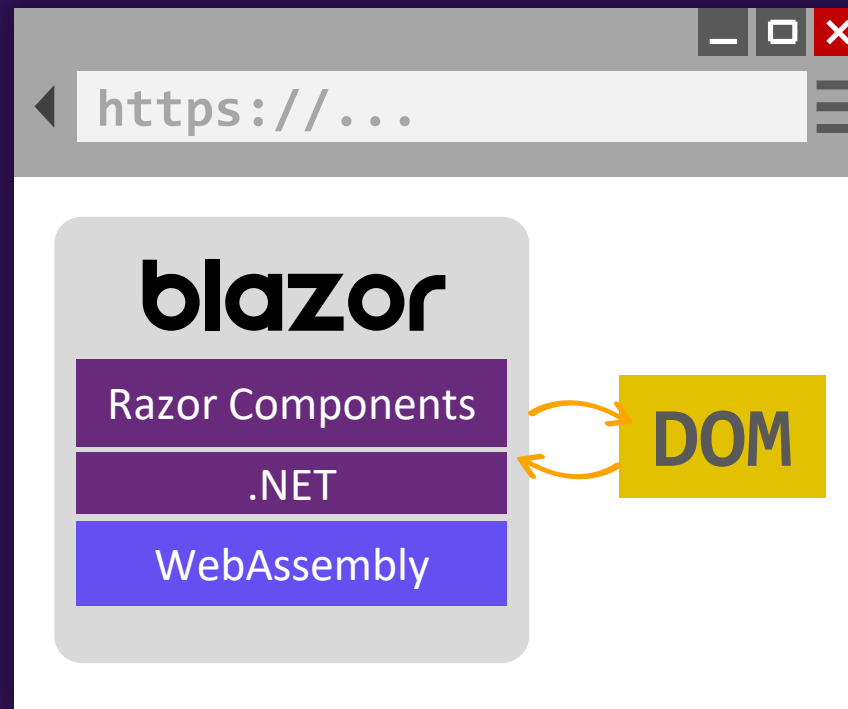
Blazor Server



.NET Core 3.1 LTS

Come funziona Blazor

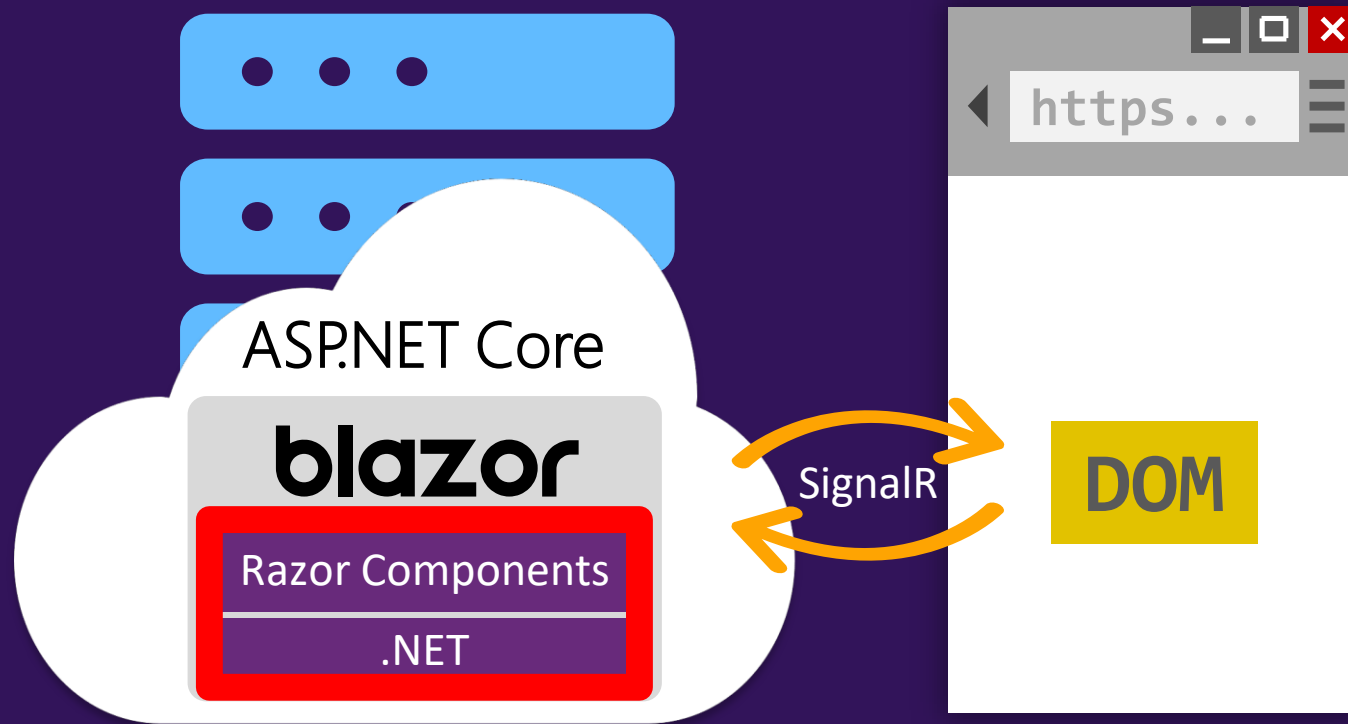
Blazor WebAssembly



Preview

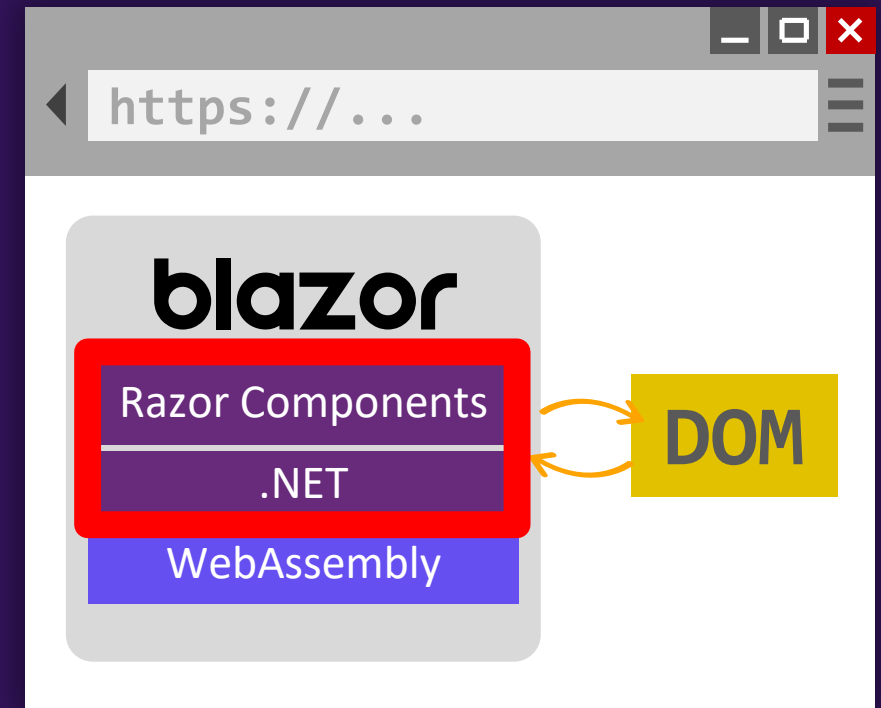
Shared component model

Blazor Server



.NET Core 3.1 LTS

Blazor WebAssembly



Preview



Blazor WebAssembly 3.2.0 Preview 5 release now available

A new preview update of Blazor WebAssembly is now available! Here's what's new in this release:

- Read configuration during startup
- Configure HTTP fetch request options
- Honor existing web.config when publishing
- Attach tokens to outgoing requests
- Support for time zones

To get started with Blazor WebAssembly 3.2.0 Preview 5 install the latest .NET Core 3.1 SDK.

NOTE: Version 3.1.201 or later of the .NET Core SDK is **required** to use this Blazor WebAssembly release! Make sure you have the correct .NET Core SDK version by running `dotnet --version` from a command prompt.

To install Blazor WebAssembly template:

```
dotnet new -i Microsoft.AspNetCore.Components.WebAssembly.Templates::3.2.0-preview5.20216.8
```

.NET



ANNUNCIO

Experimental Mobile Blazor Bindings

Puoi creare app mobile native con *Blazor*

Puoi riutilizzare le tue skill web: Razor, C#, CSS

Hai un ricco set di componenti mobile nativi

Hai accesso al 100% alle API native: GPS, Media, & altro

Puoi usare l'ecosistema di librerie NuGet per il mobile

Tutto in .NET

aka.ms/mobileblazorbindings



Xamarin.Forms

Shared UI



Xamarin.Forms

Blazor Components

Microsoft.MobileBlazorBindings

Shared UI



Come partire con Blazor per il mobile

- Vai su <https://blazor.net>
- Installa .NET Core 3.1
- Installa il template Blazor Mobile Bindings



Visual Studio
2019 16.4



Visual Studio for Mac
8.4



Visual Studio Code
+ C# extension

Controlli disponibili

Page components

- `ContentPage`
- `MasterDetailPage`
- `Page`
- `TabbedPage`
- `TemplatedPage`

Layout components

- `ContentView`
- `Frame`
- `Grid`
- `ScrollView`
- `StackLayout`

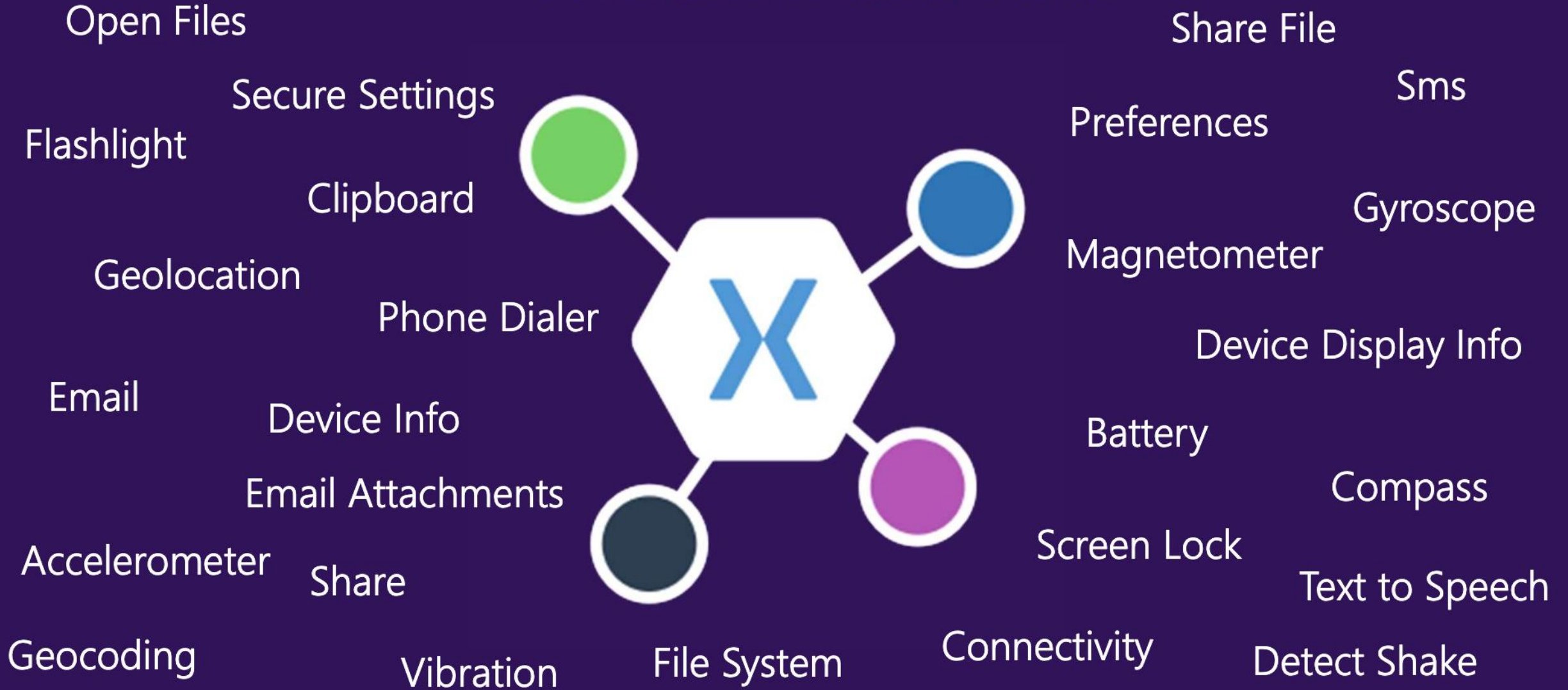
View components

- `ActivityIndicator`
- `BoxView`
- `Button`
- `CheckBox`
- `Image`
- `ImageButton`
- `Entry`
- `Label`
- `ProgressBar`
- `Slider`
- `Stepper`
- `Switch`

Specialized components

- `Application`
- `BaseMenuItem`
- `FormattedString`
- `GestureElement`
- `MenuItem`
- `Shell` e `ShellContent`
- `ShellGroupItem` e `ShellItem`
- `FlyoutItem`
- `Tab` e `TabBar`
- `ShellSection`
- `Span`

Xamarin.Essentials



Demo

.NET



Cogito

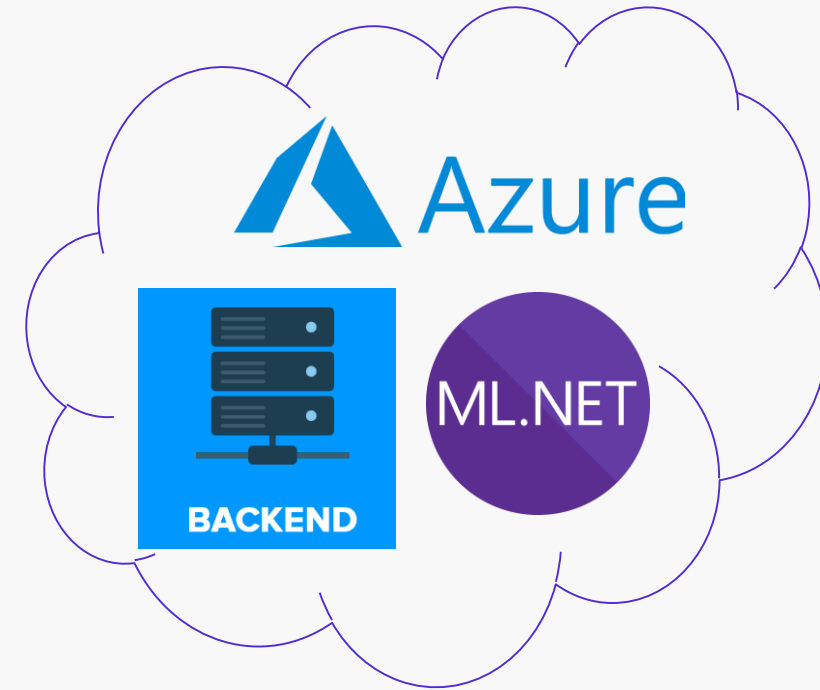
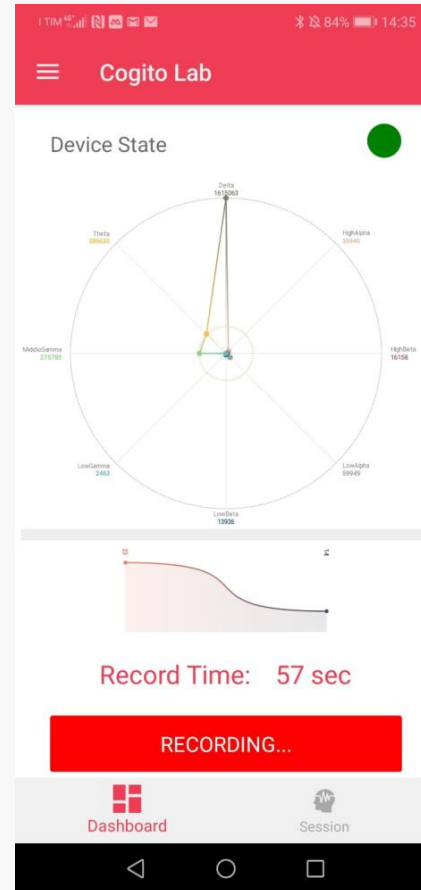
- Progetto di ricerca volto a creare una BCI (Brain Communication Interface) che sia in grado di associare un pensiero ad una azione
- Usa un device chiamato «neurosky mindwave» che è in grado di misurare le onde cerebrali
- Questo device supporta il protocollo BLE per la comunicazione



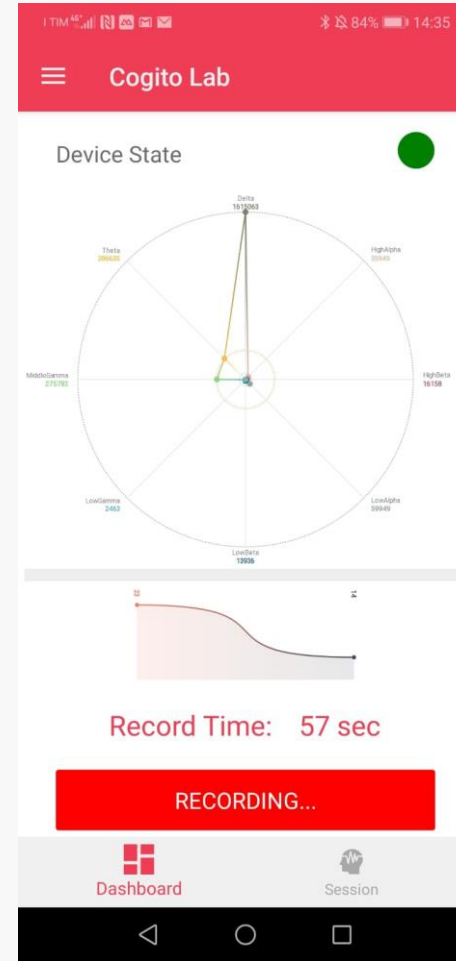
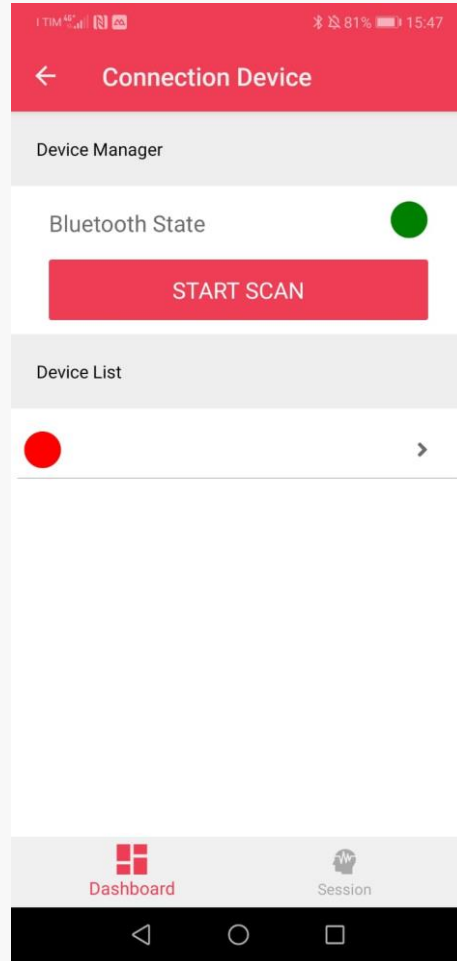
Cogito - Architettura

Cogito App

Neurosky



Cogito - App



Cogito – Demo



Un po' di link utili:

- Blazor: <https://blazor.net>
- Docs: <https://blazor.net/docs>
- .NET Core 3.1: <https://dot.net/get-core3>
- Workshop: <https://aka.ms/blazorworkshop>
- Community: <https://aka.ms/awesomeblazor>



Seguite la community!

BLAZOR DEVELOPER ITALIANI

La Community italiana su Blazor



<https://blazordev.it/>



<https://twitter.com/blazordevita>



<https://github.com/blazordevita>



<https://fb.me/blazordeveloperitalia>

Contatti

- Twitter: @SalvoAprile
- LinkedIn: <https://www.linkedin.com/in/aprilesalvatore/it-it/>
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- Mail: aprile.salvatore@gmail.com
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