

THE DEVELOPER'S CONFERENCE

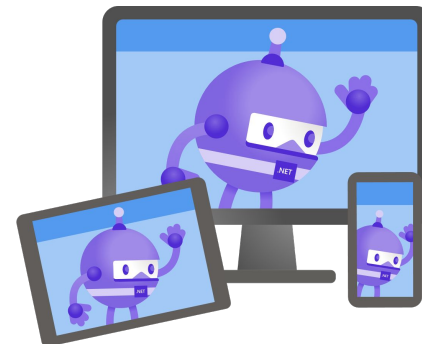
**Interfaces multi plataforma com .Net
Maui**

O que é o Maui ?



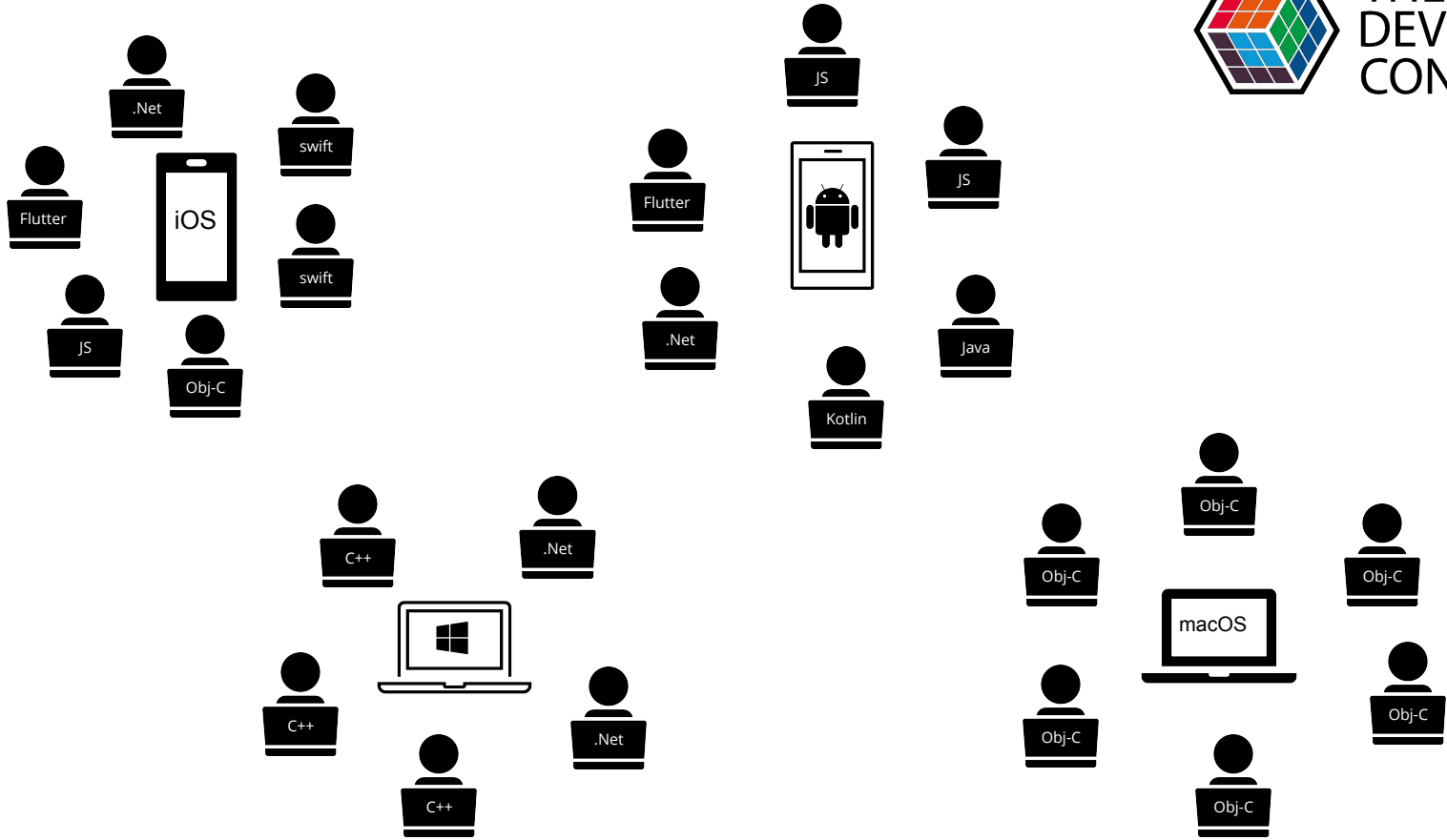
Multi-platform App UI

O Maui vem com o objetivo de unificar as tecnologias de interfaces mobile e desktop dentro do universo .Net.



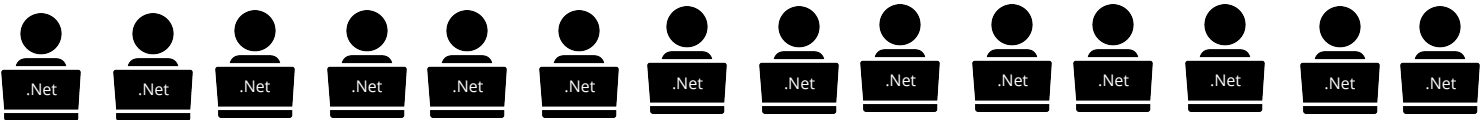
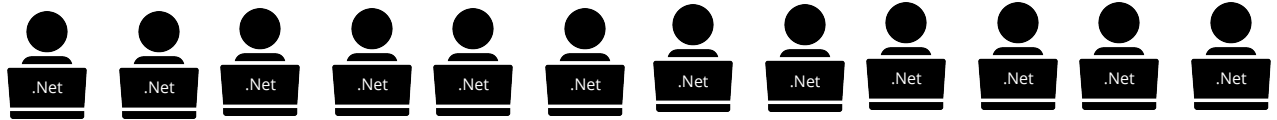
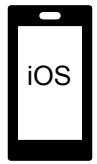


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.NET 6

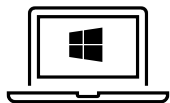
.NET Multi-platform App UI

WinUI

Mac
Catalyst

iOS

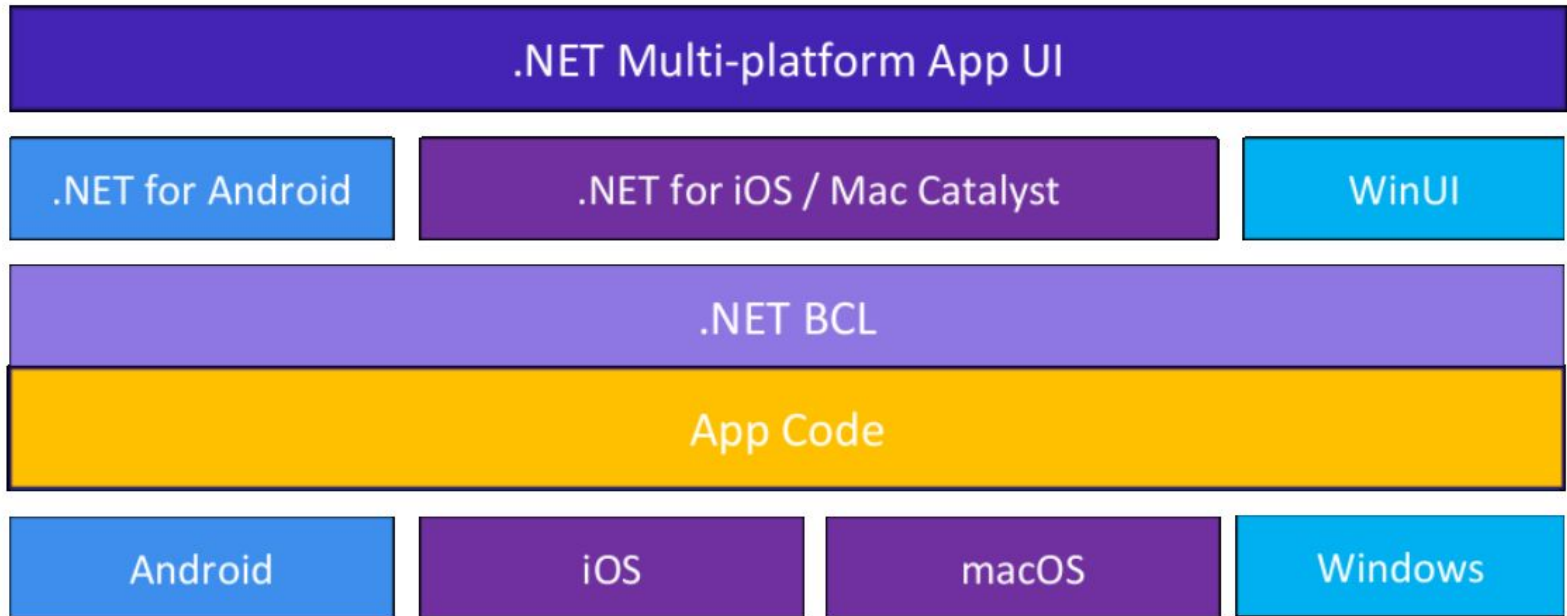
Android



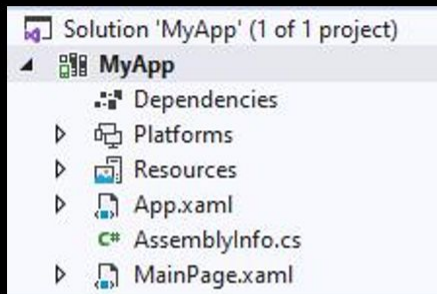
O xamarin forms não faz isto ?

O Maui está sendo uma evolução do Xamarin.Forms.

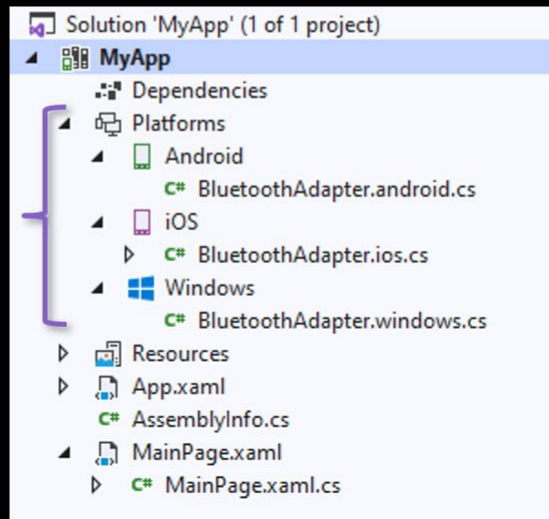
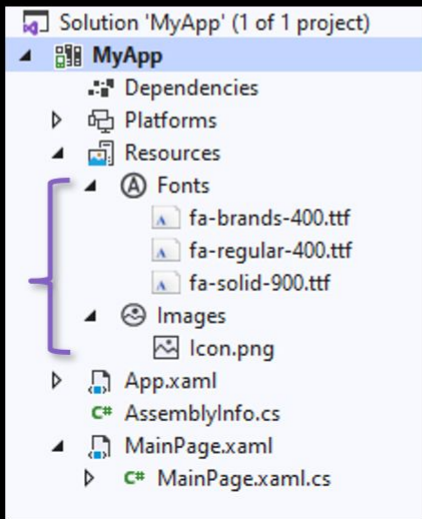
Abrangendo Android, iOS, Windows, MacOS



MAUI: Cross-platform development, simplified



```
<Project Sdk="Microsoft.NET.Sdk">  
  <PropertyGroup>  
    <TargetFrameworks>net5.0-ios;net5.0;net5.0-android</TargetFrameworks>  
  </PropertyGroup>  
  <ItemGroup>  
    <PackageReference Include="System.Maui" />  
    <PackageReference Include="System.Device" />  
  </ItemGroup>  
</Project>
```

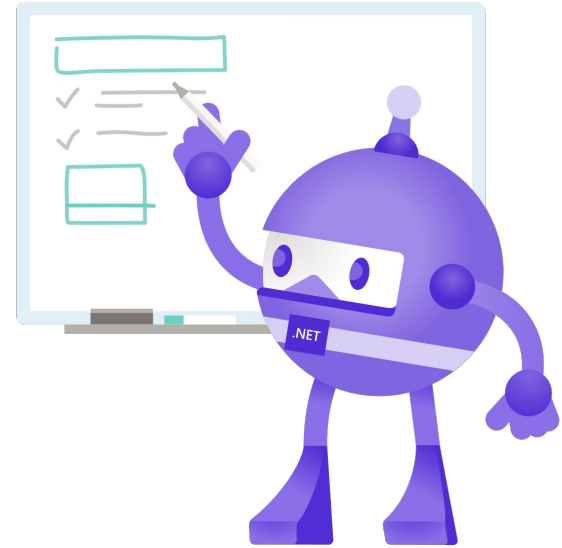




Maui-check

A configuração do ambiente foi muito mais simplificada, podemos validar os recursos através do maui check.

- `dotnet tool install -g Redth.Net.Maui.Check`
- `maui-check`



.NET MAUI

▣ .NET MAUI Check v0.7.3.0 ▣

This tool will attempt to evaluate your .NET MAUI development environment.
If problems are detected, this tool may offer the option to try and fix them for you, or suggest a way to fix them yourself.

Thanks for choosing .NET MAUI!

» Synchronizing configuration... ok

» Scheduling appointments... ok

> OpenJDK 11.0 Checkup...

- 1.8.0-25 (C:\Program Files\Android\jdk\microsoft_dist_openjdk_1.8.0.25)
- 11.0.10 (C:\Program Files\Microsoft\jdk-11.0.10.9-hotspot\bin\..)

> Visual Studio 17.0.0-pre.3.0 Checkup...

- 17.0.0-pre.3.1 - D:\Program Files\Microsoft Visual Studio\2022\Preview
- 16.9.5

> Android SDK Checkup...

- emulator (30.1.5)
- build-tools;30.0.2 (30.0.2)
- platforms;android-30 (3)
- system-images;android-30;google_apis;x86 (10)
- platform-tools (30.0.4)
- cmdline-tools;3.0 (3.0)

> Android Emulator Checkup...

- Emulator: pixel_2_-_c found.

> .NET SDK Checkup...

- 5.0.104 - C:\Program Files (x86)\dotnet\sdk\5.0.104

▣ Recommendation: Download .NET SDK (6.0.100-preview.7.21379.14)

! Attempt to fix? [y/n] (y):

MVVM (Model-View-ViewModel)



Pattern predominante para desenvolvimento de interfaces mobile / desktop dentro do mundo .Net juntamente com XAML

XAML

```
<StackLayout>
  <Label Text="Welcome to .NET MAUI!" />
  <Button Text="{Binding Text}"
    Command="{Binding ClickCommand}" />
</StackLayout>
```

ViewModel

```
public Command ClickCommand { get; }

public string Text { get; set; } = "Click me";

int count = 0;

void ExecuteClickCommand ()
{
  count++;
  Text = $"You clicked {count} times.";
}
```

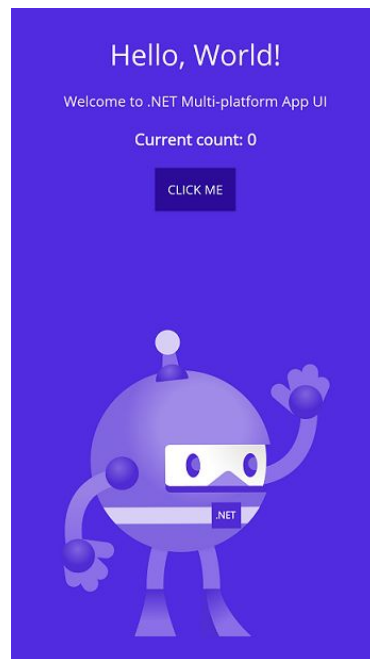
MVU (Model-View-Update)



Também será possível trabalhar com o maui utilizando o MVU, que permite o gerenciamento de dados e estado unilateralmente.

```
readonly State<int> count = 0;

[Body]
View body() => new StackLayout
{
    new Label("Welcome to .NET MAUI!"),
    new Button(
        () => $"You clicked {count} times.",
        () => count.Value++)
    )
};
```





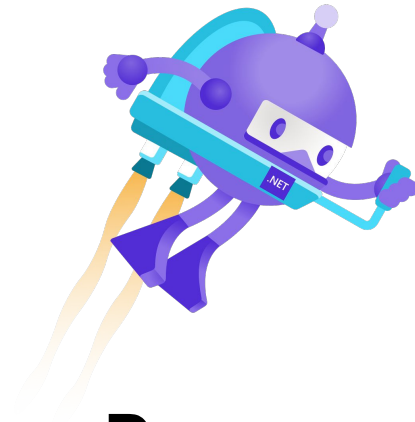
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Começo a utilizar Maui hoje ?

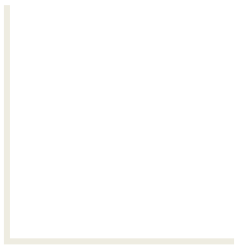




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Demo





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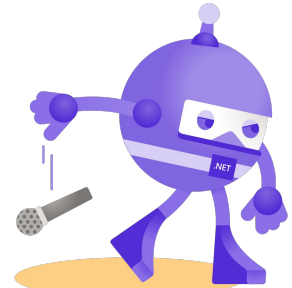
Fagner Muniz



github.com/FagnerFun



linkedin.com/in/famuniz



Obrigado,
até mais



Fernando Vendramin



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