

VZOREC MVU V .NET MAUI

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Microsoft MVP

O MENI

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AGENDA

- Zgodovina MVU
- Primerjava MVVM in MVU
- MVU v praksi
- Pogled v prihodnost

NAJAVA .NET MAUI, MAJ 2020

Both MVVM and MVU deliver the same native applications, performance, and platform fidelity. Developers will be able to choose which style best suits their preference and use case.

<https://bit.ly/MauiAnnounce2020>

IZID .NET MAUI, MAJ 2022

Comet will be shipping a version based on .NET MAUI GA, and we will be ramping up our activity there in the coming weeks.

<https://bit.ly/MauiRelease2022>

FOCUS ON MAUI, AUGUST 2022

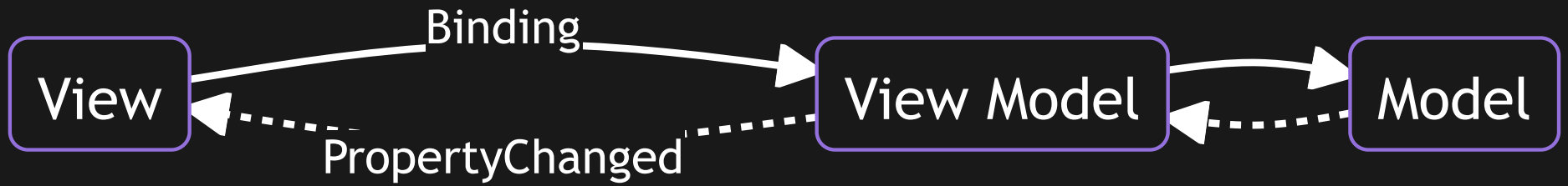


<https://bit.ly/MauiNetConf2022>

ZGODOVINA XAML IN MVVM

- WPF (2006)
- Silverlight (2007)
- UWP (2011)
- Xamarin.Forms
(2014)
- .NET MAUI (2022)

VZOREC MVVM



XAML SINTAKSA

```
<Label  
  Text="Counter"  
  FontSize="32"  
  HorizontalOptions="Start" ></Label>
```

```
<Label  
  Text="{Binding Count, StringFormat='Current count: {0}'}"  
  FontSize="18"  
  HorizontalOptions="Start" ></Label>
```

```
<Button  
  Text="Click me"  
  Command="{Binding CountCommand}"  
  HorizontalOptions="Start" ></Button>
```

VIEWMODEL KODA

```
private int count;

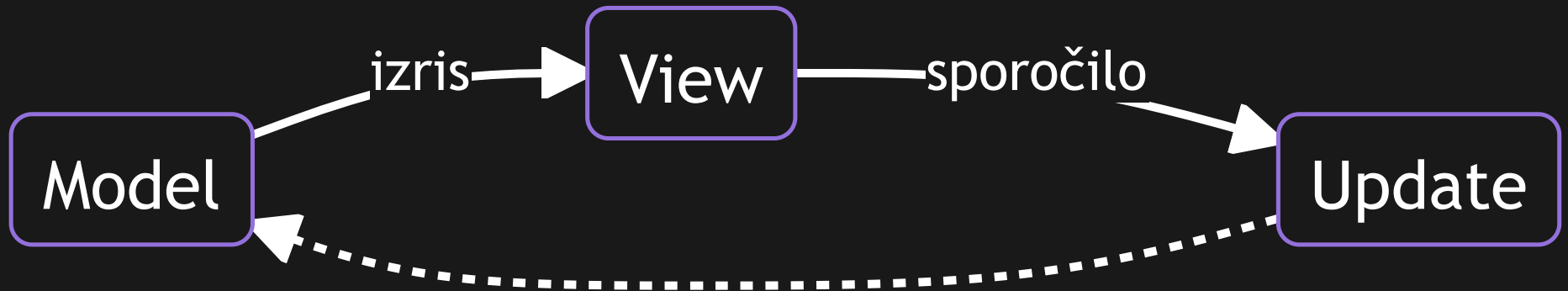
public int Count
{
    get { return count; }
    set
    {
        count = value;
        OnPropertyChanged();
    }
}

public ICommand CountCommand => new Command(() => Count++);
```

OGRODJA S PODPORO MVU

- React
- Flutter
- SwiftUI

VZOREC MVU



MVU KODA

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

[Body]
View body() => new VStack(spacing: 25) {
    new Text("Counter").FontSize(32)
        .HorizontalLayoutAlignment(LayoutAlignment.Start),

    new Text($"Current count: {count.Value}").FontSize(18)
        .HorizontalLayoutAlignment(LayoutAlignment.Start),

    new Button("Click me", () => count.Value++)
        .HorizontalLayoutAlignment(LayoutAlignment.Start),
}.Padding(new Thickness(30, 0))
    .VerticalLayoutAlignment(LayoutAlignment.Start);
```

VARIACIJE MVU

- Vzorec izvira iz funkcijskih pristopov
- Nespremenljivost objektov
 - MVU, MvU, mVu
- MVI (Model-View-Intent)

PRVI KORAKI

Demo

POSTAVITEV RAZVOJNEGA OKOLJA

- VS Code: Comet for .NET Mobile
- VS (2019): Comet.Reload
- Predloga za nov projekt

```
dotnet new --install Clancey.Comet.Templates.Multiplatform  
dotnet new comet
```

<https://bit.ly/MauiCometGetStarted>

NETRIVIALEN PRIMER

Demo

COMET JE EKSPERIMENTALNO OGRODJE

Comet is a proof of concept. There is no official support. Use at your own risk.

- Dokumentacije skoraj ni
- Nepopolna implementacija
 - Grid ne deluje (pravilno)
 - Težavno osveževanje v seznamih

POGLED V PRIHODNOST

Jun 9, 2019 – Aug 28, 2022

Contributions: Commits ▾

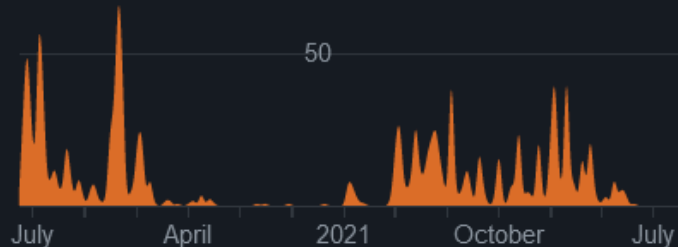
Contributions to dev, excluding merge commits and bot accounts



Clancey

1,370 commits 180,154 ++ 175,813 --

#1



jonlipsky

225 commits 48,402 ++ 34,718 --

#2



<https://bit.ly/MauiCometContributions>

ALTERNATIVE

- C#
 - MauiReactor
 - ReactorUI for Xamarin Forms
- F#
 - Fabulous
 - Elmish Xamarin Forms
 - Elmish.WPF

ZAKLJUČNE MISLI

- Comet še ni zrel za resno uporabo
- Alternative
 - v razvoju za .NET MAUI
 - na voljo za druga ogrodja

VIRI

- Koda
 - <https://bit.ly/MauiMvuRepo>
- Dokumentacija
 - <https://bit.ly/MauiCometGetStarted>
 - <https://bit.ly/MauiDocs>