Motz Codes Live

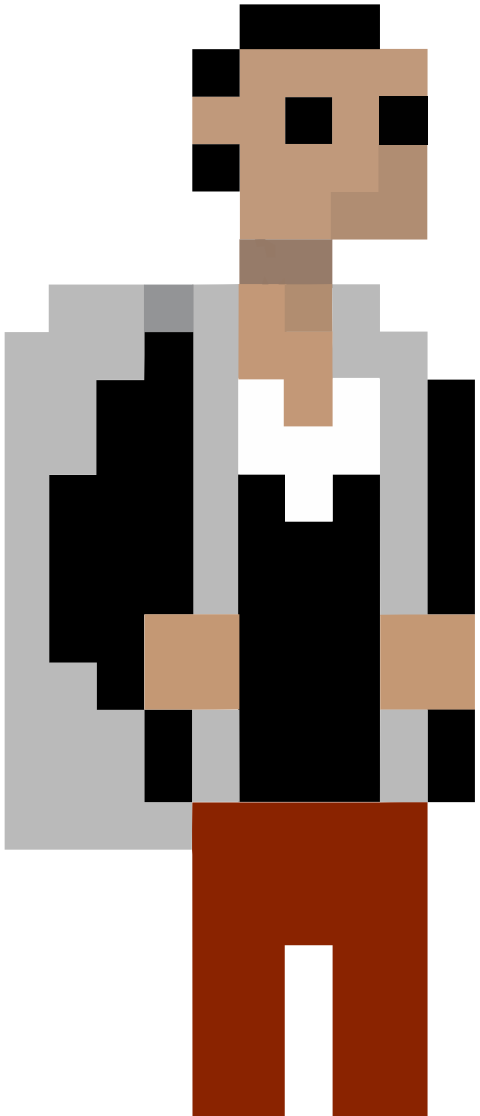
@JamesMontemagno

motzcod.es

Investigating MVVM Light Toolkit

September 25, 2015

Who is Motz?



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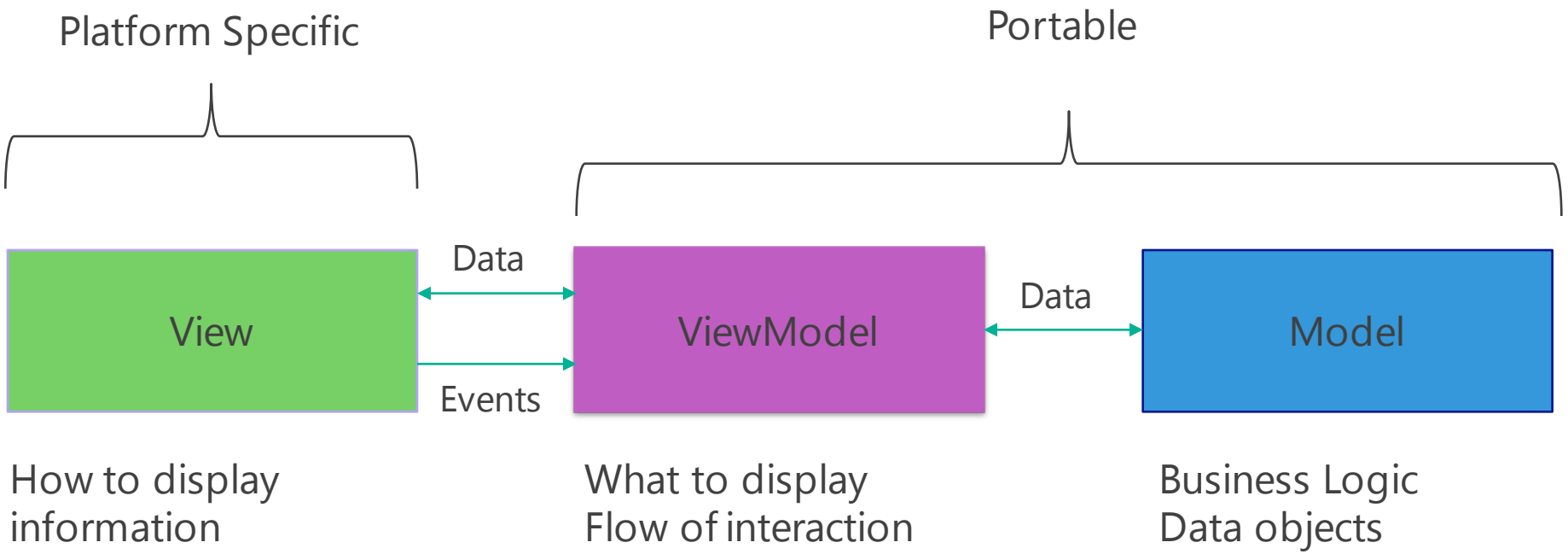
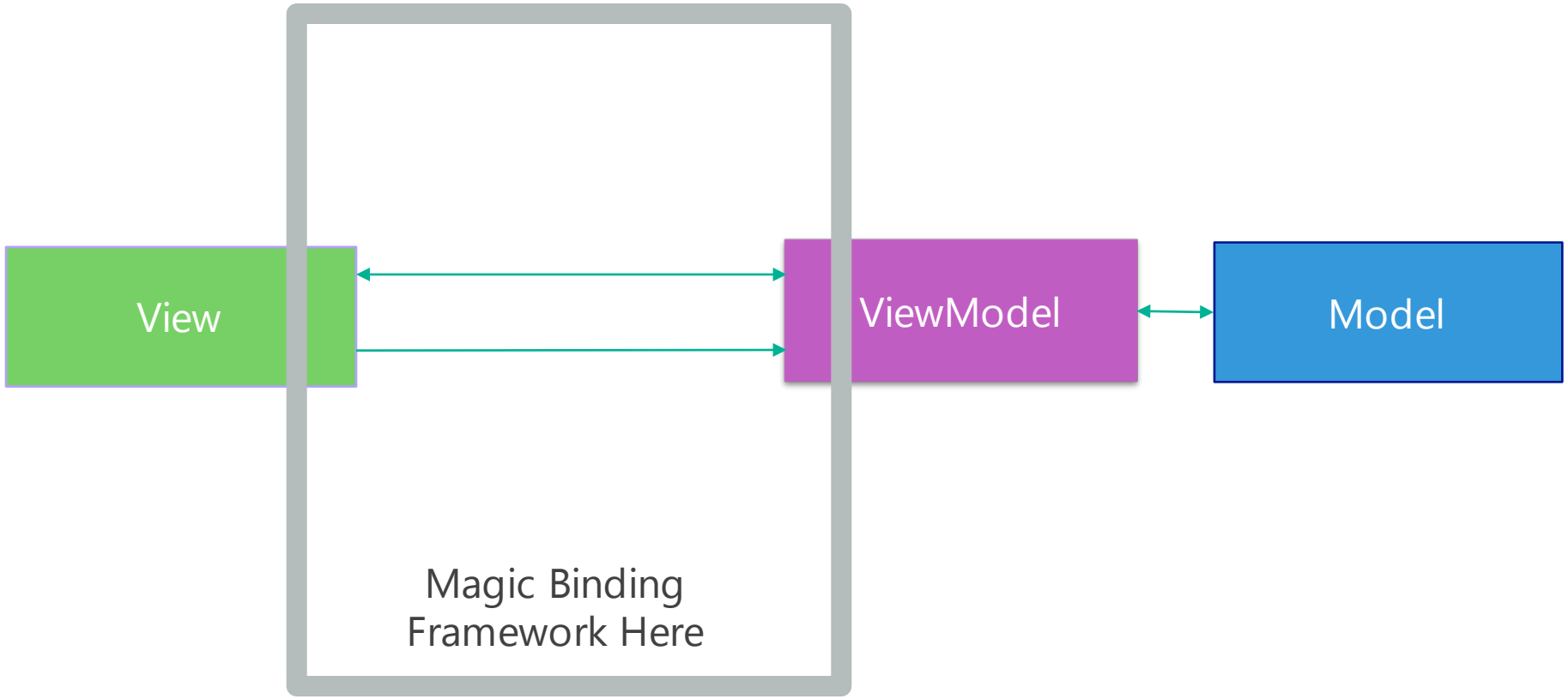
Time to Refresh: What is MVVM?

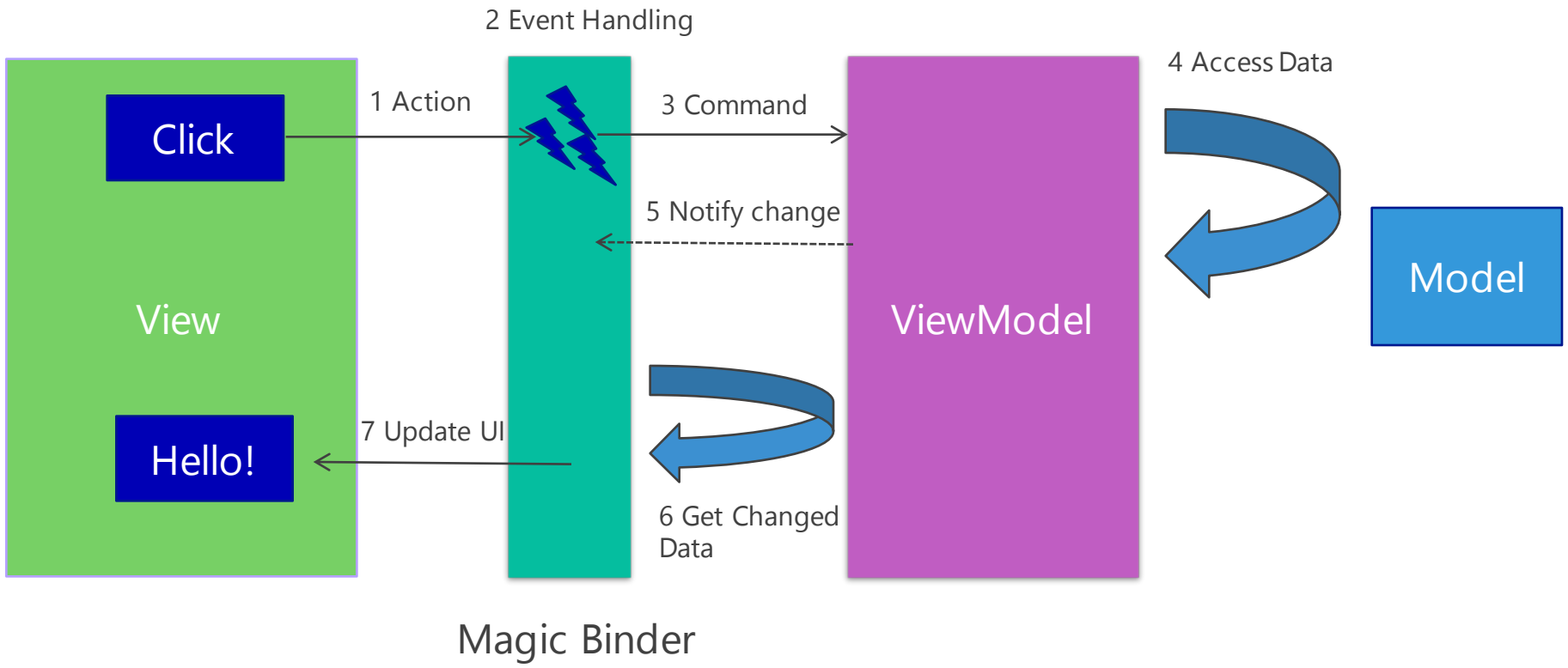
Model-View-ViewModel

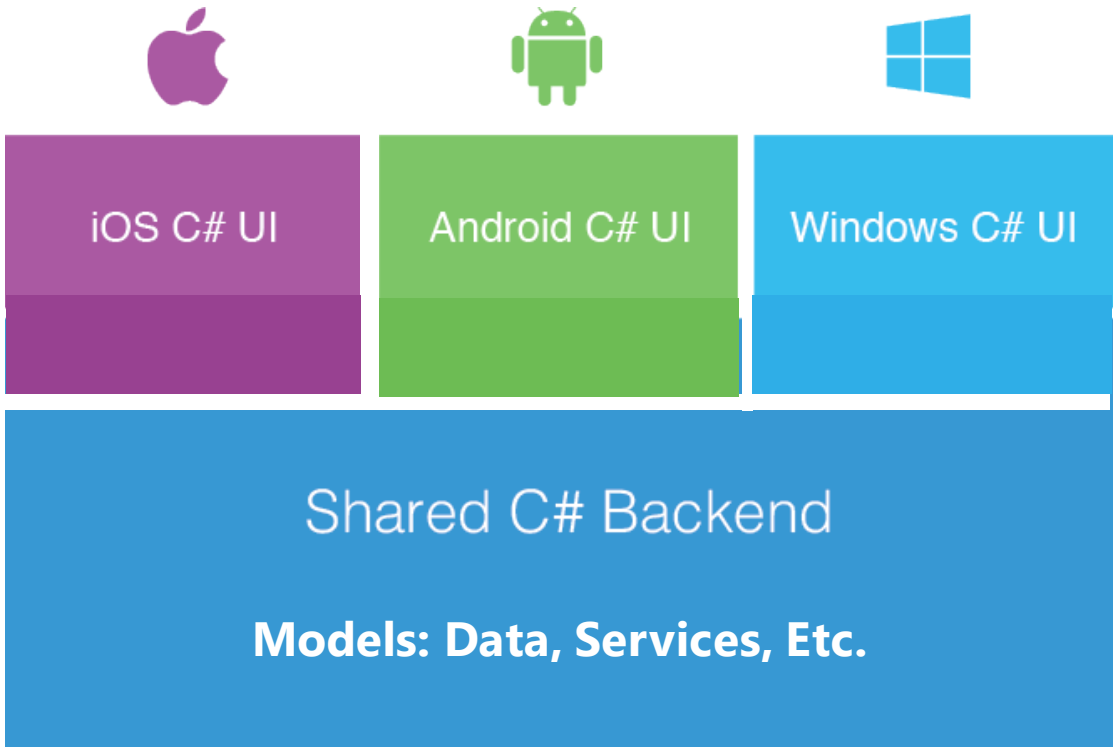


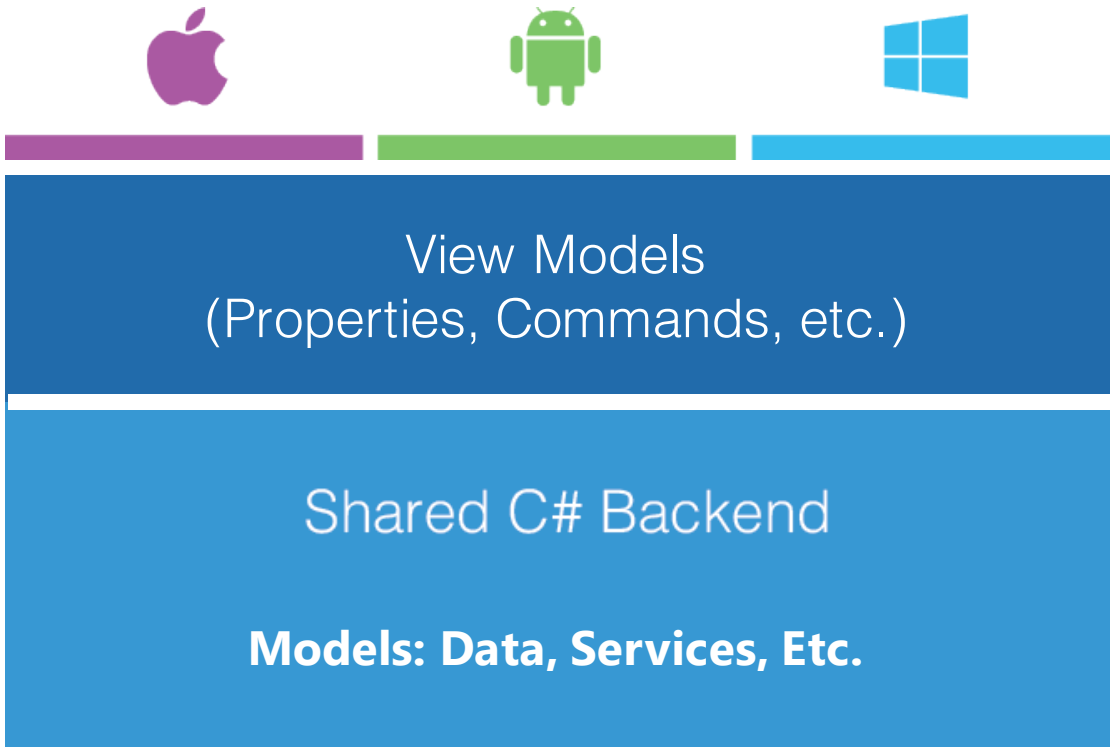
Data Binding



Overview -> Data + Commanding




iOS C# UI
Android C# UI
Windows C# UI
Shared C# Backend
Models: Data, Services, Etc.


View Models
(Properties, Commands, etc.)
Shared C# Backend
Models: Data, Services, Etc.

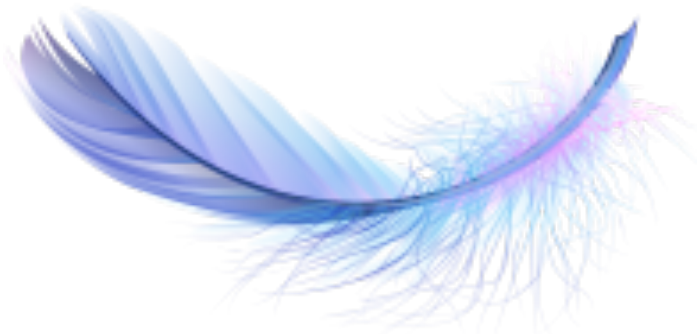
MVVM != Data Binding

MVVM Framework == Data Binding

MVVM Frameworks

- Microsoft
  - Windows Phone
  - Windows Store
  - WPF
- Provides
  - Data Binding
  - Commanding
- Does Not Provide
  - Navigation
  - IoC/Dependency Service
  - Messaging Center

- Xamarin
  - Xamarin.Forms
- Provides
  - Data Binding
  - Commanding
  - Navigation
  - IoC/Dependency Service
  - Messaging Center



MVVM Light Toolkit

Laurent Bugnion
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identitymine™

Microsoft® MVP Most Valuable Professional

Xamarin MOST VALUABLE PROFESSIONAL

Xamarin Certified Mobile Developer

What is MVVM Light Toolkit

- The main purpose of the toolkit is to accelerate the creation and development of MVVM applications in WPF, Silverlight, Windows Store, Windows Phone, and Xamarin.

What's Included

- ICommand Implementation
  - RelayCommand
- Event Bus
  - Messenger
- Inversion of Control (IoC)
  - Simple IoC
- INotifyPropertyChanged Implementation
  - ObservableObject/ViewModelBase

Even More for Xamarin.iOS & Xamarin.Android

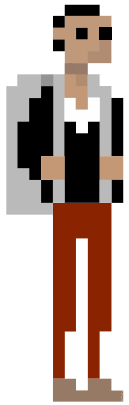
- Binding Framework
- Commanding Framework
- ObservableAdapter
  - Xamarin.Android
- ObservableController
  - Xamarin.iOS
- Navigation Service
  - Navigate from screen to screen

Let's Do some MVVM Light!

Resources

- MVVM Light + Xamarin
  - bit.ly/mvvmlight-xamarin
- Xamarin.Forms + XAML & MVVM
  - bit.ly/xamarin-forms-mvvm
- Motz Codes Live:
  - https://www.youtube.com/user/jamesmontemagno
  - https://github.com/jamesmontemagno/MotzCodesLive

Thank you. **Questions?**



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