Making the Connection with the ViewModelLocator



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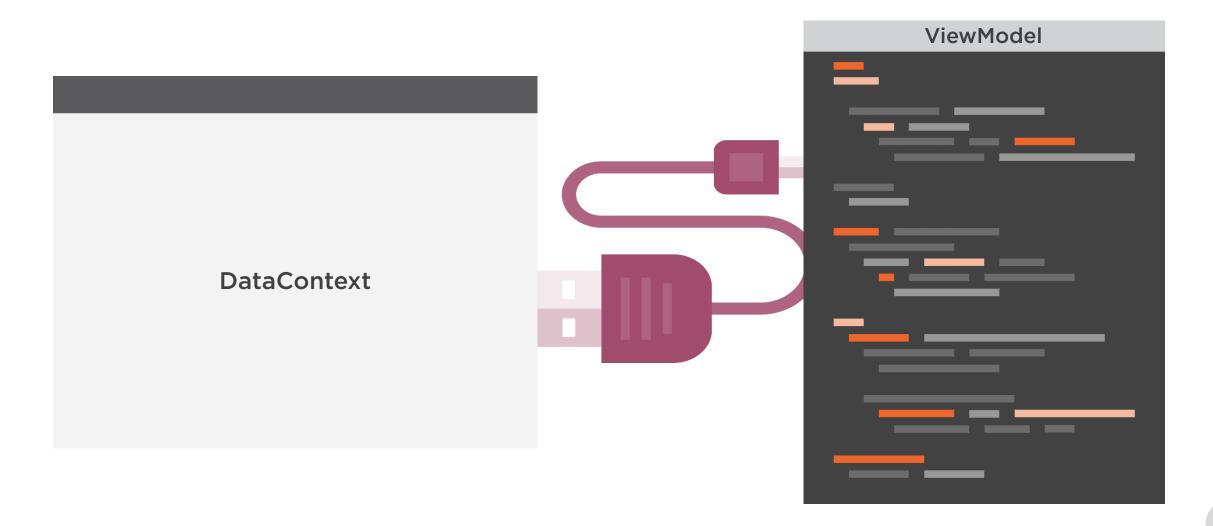
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Agenda

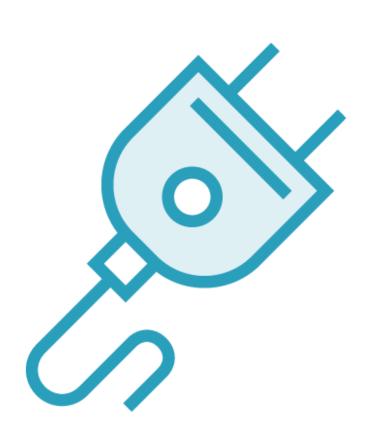


Making the Connection
Using the ViewModelLocator
Changing the Convention
Custom ViewModel Registrations









XAML

Code Behind

Constructor Injection

ViewModelLocator

ViewModelLocator



Standard ViewModelLocator

```
3 references
public class MainPageViewModel
    1 reference
    public MainPageViewModel()
                          0 references
                          public class ViewModelLocator
                              0 references
                              public MainPageViewModel MainPage
                                  get { return new MainPageViewModel(); }
                                                               <Application.Resourd</pre>
                                                                   <local:ViewMod
                                                                                                    "ViewModelLocator" />
                                                                                       ator
                                                               </Application.R
                                                                                                                     Binding MainPage, Source={StaticResource ViewModelLocator}}"
                                                                                                    DataConte
```



ViewModelLocator

Attached Property

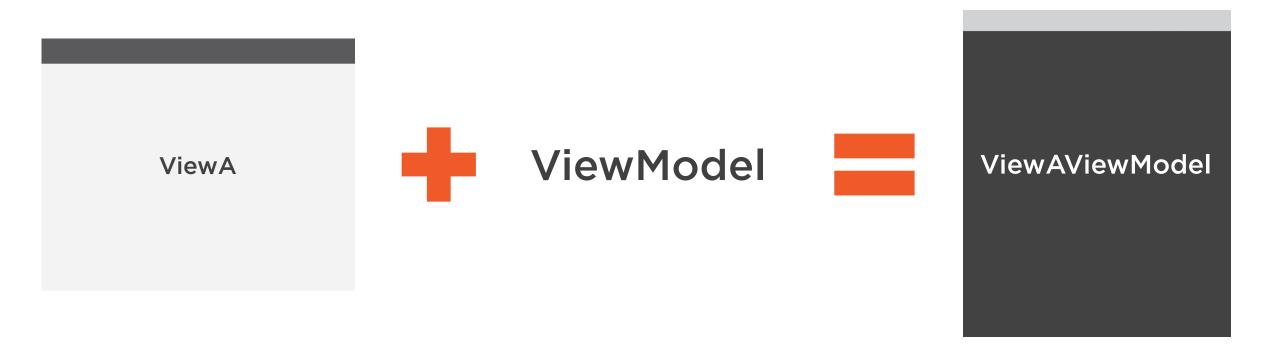
- ViewModel Construction
- Sets View's DataContext

Convention Based

- Views namespace
- ViewModels namespace
- View Name + "ViewModel" = VM name

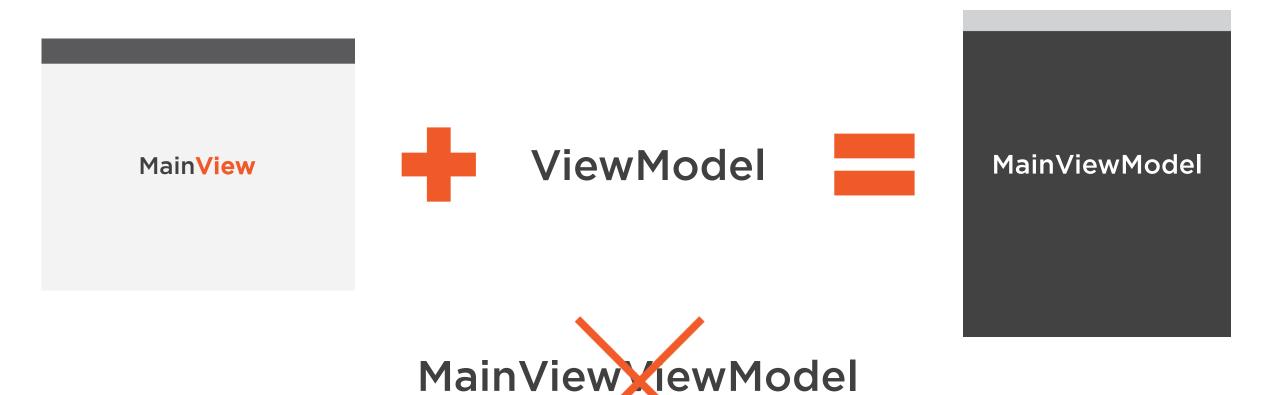


ViewModel Naming Convention





ViewModel Naming Convention Exception





Using the ViewModelLocator

<UserControl x:Class="SettingBindingContext.Views.MainPage"
 xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"
 xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml" >

</UserControl>



Using the ViewModelLocator

```
<UserControl x:Class="SettingBindingContext.Views.MainPage"
    xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"
    xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
    xmlns:prism="http://prismlibrary.com" >
```





Using the ViewModelLocator

<UserControl x:Class="SettingBindingContext.Views.MainPage"</p>
xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"

xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"

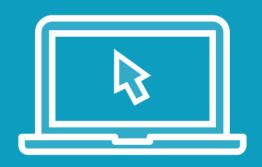
xmlns:prism="http://prismlibrary.com"

prism:ViewModelLocator.AutowireViewModel="True" >

</UserControl>



Demo



Using the ViewModelLocator



ws namespee

ViewMools n nespace

View Name 'iewModel" =

Controls namespace

ViewModels namespace

Control Name + "ViewModel" = VM Name



```
protected override void ConfigureViewModelLocator()
{
   base.ConfigureViewModelLocator();
}
```



```
protected override void ConfigureViewModelLocator()
  base.ConfigureViewModelLocator();
  ViewModelLocationProvider.
  SetDefaultViewTypeToViewModelTypeResolver((viewType) =>
         [Your Convention Logic Goes Here]
  });
```



```
protected override void ConfigureViewModelLocator()
  base.ConfigureViewModelLocator();
  ViewModelLocationProvider.
  SetDefaultViewTypeToViewModelTypeResolver((viewType) =>
         [Your Convention Logic Goes Here]
    return Type.GetType(viewModelName);
  });
```

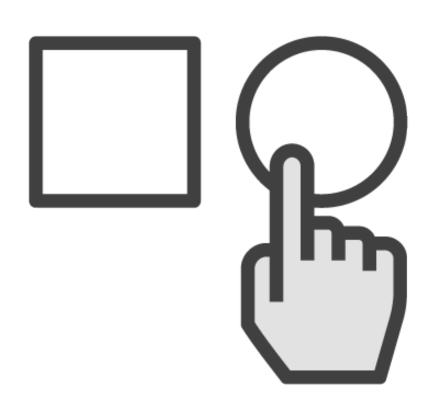


Demo





Custom ViewModel Registrations



ViewModelLocationProvider.Register

- Factory
- Type

//Using Types

ViewModelLocationProvider.Register<View,ViewModel>();



//Using Types

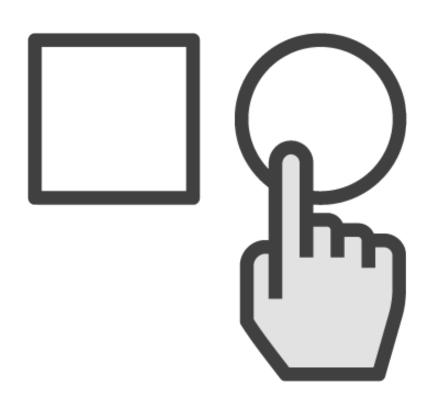
ViewModelLocationProvider.Register<View,ViewModel>();

//Using a Factory

ViewModelLocationProvider.Register<View>(() => vmInstance);



Custom ViewModel Registrations



ViewModelLocationProvider.Register

- Factory
- Type

Factory/Type Registration is faster

- Does not use reflection

Registering views for navigation does this automatically



Demo



Custom ViewModel Registrations



Summary



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