Breaking Down the Monolithic Application into Modules

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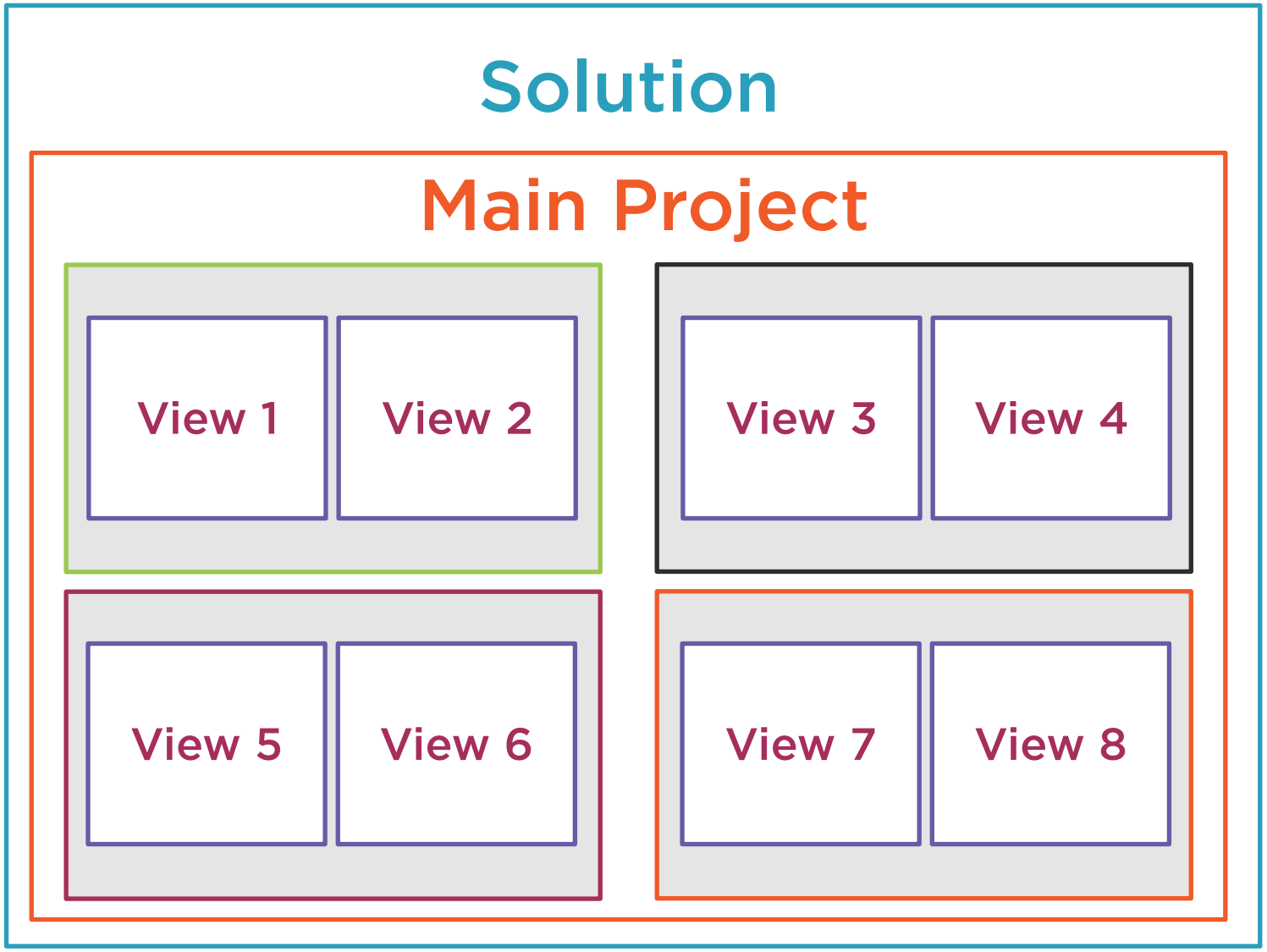
Agenda

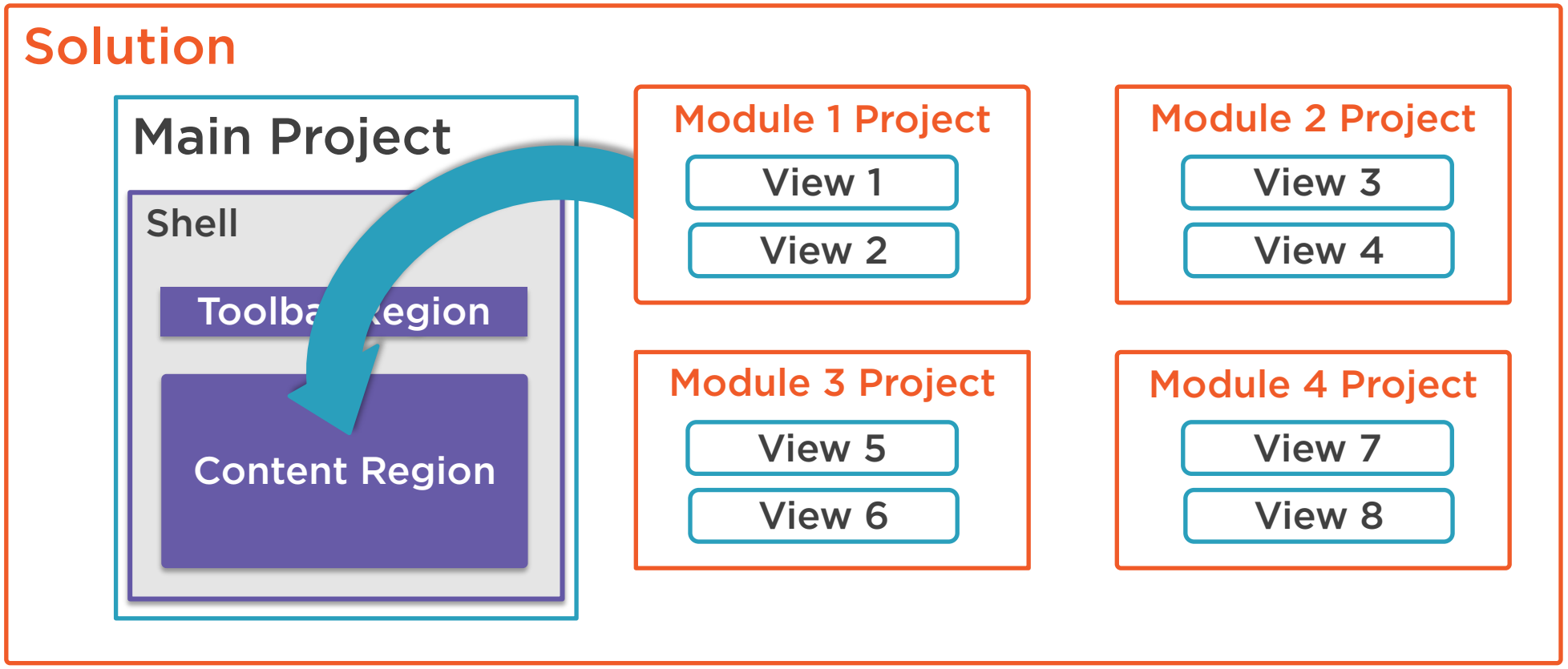
- What Is a Module?
- Creating a Module
- Registering a Module
- Considerations When Registering Modules

What Is a Module?

Functional responsibility of your application

- Views
- Services
- Logic


Solution
Main Project
View 1
View 2
View 3
View 4
View 5
View 6
View 7
View 8


Solution
Main Project
Shell
Content Region
Module 1 Project
View 1
View 2
Module 2 Project
View 3
View 4
Module 3 Project
View 5
View 6
Module 4 Project
View 7
View 8

What is a Module?

Functional responsibility of your application

- Views
- Services
- Logic

What is a Module inside Visual Studio?

- Class library
- Class that implements IModule

Creating a Module

```
public class ModuleAModule : IModule

{

}
```

Creating a Module

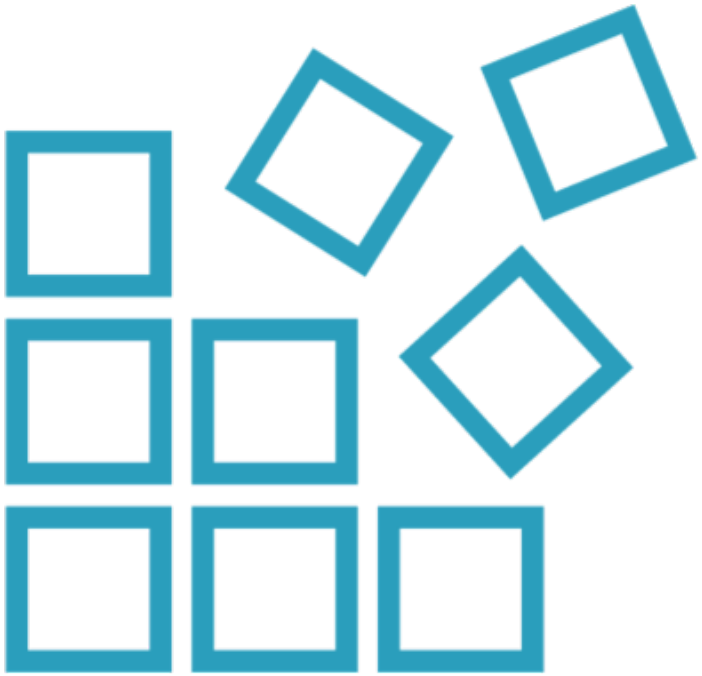
```
public class ModuleAModule : IModule
{
        public void OnInitialized(IContainerProvider containerProvider)
        {
        }


        public void RegisterTypes(IContainerRegistry containerRegistry)
        {
        }
}
```

Demo

Creating a Module

Registering a Module



Module Catalog

- Code
- App.config
- Disk/Directory
- XAML
- Custom

Register Catalog with PrismApplication

Register Modules with Catalog

Demo

Registering Modules

Considerations When Registering Modules

Guidelines

- Required to run application?
- Always used?
- Rarely used?
- Does it have dependencies

Control when to load

- When Available
- On-demand

Summary

- What Is a Module?
- Creating a Module
- Registering a Module
- Considerations When Registering Modules