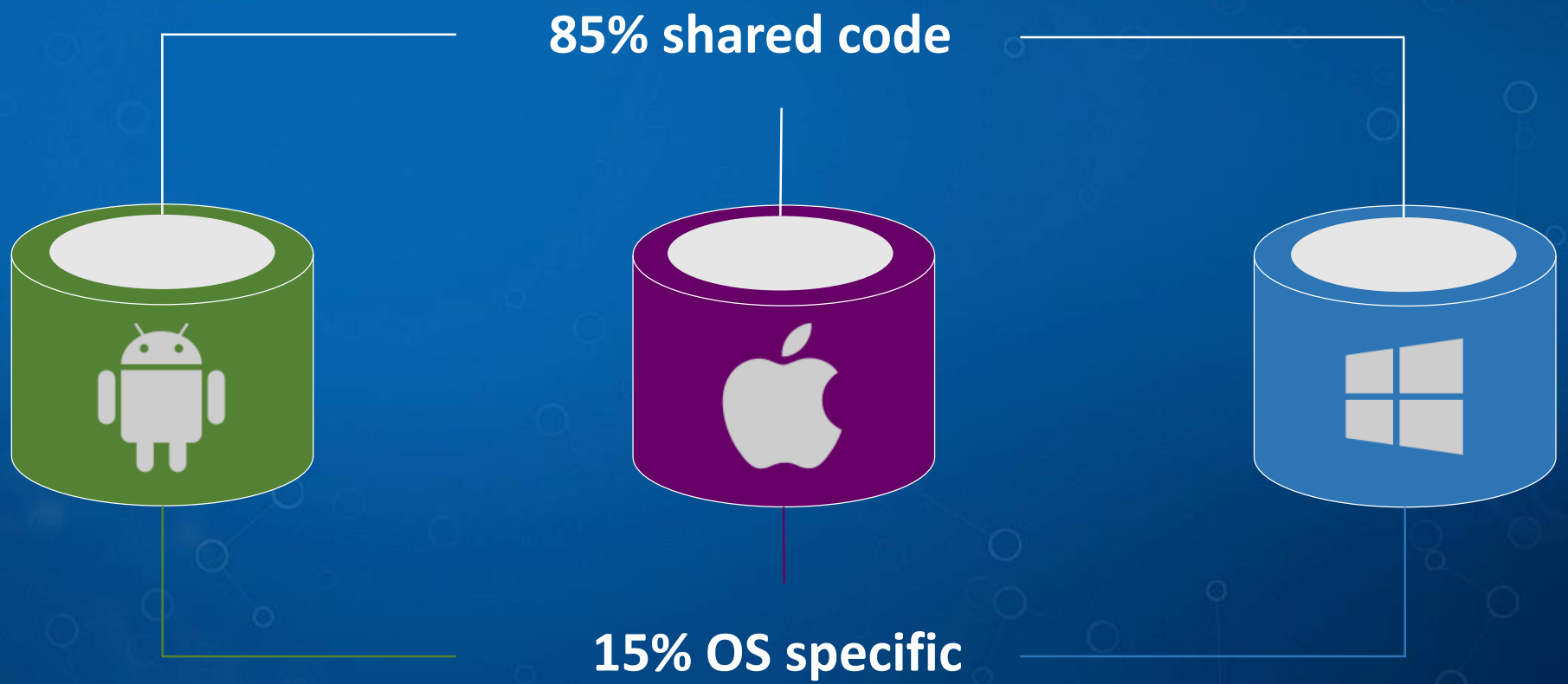
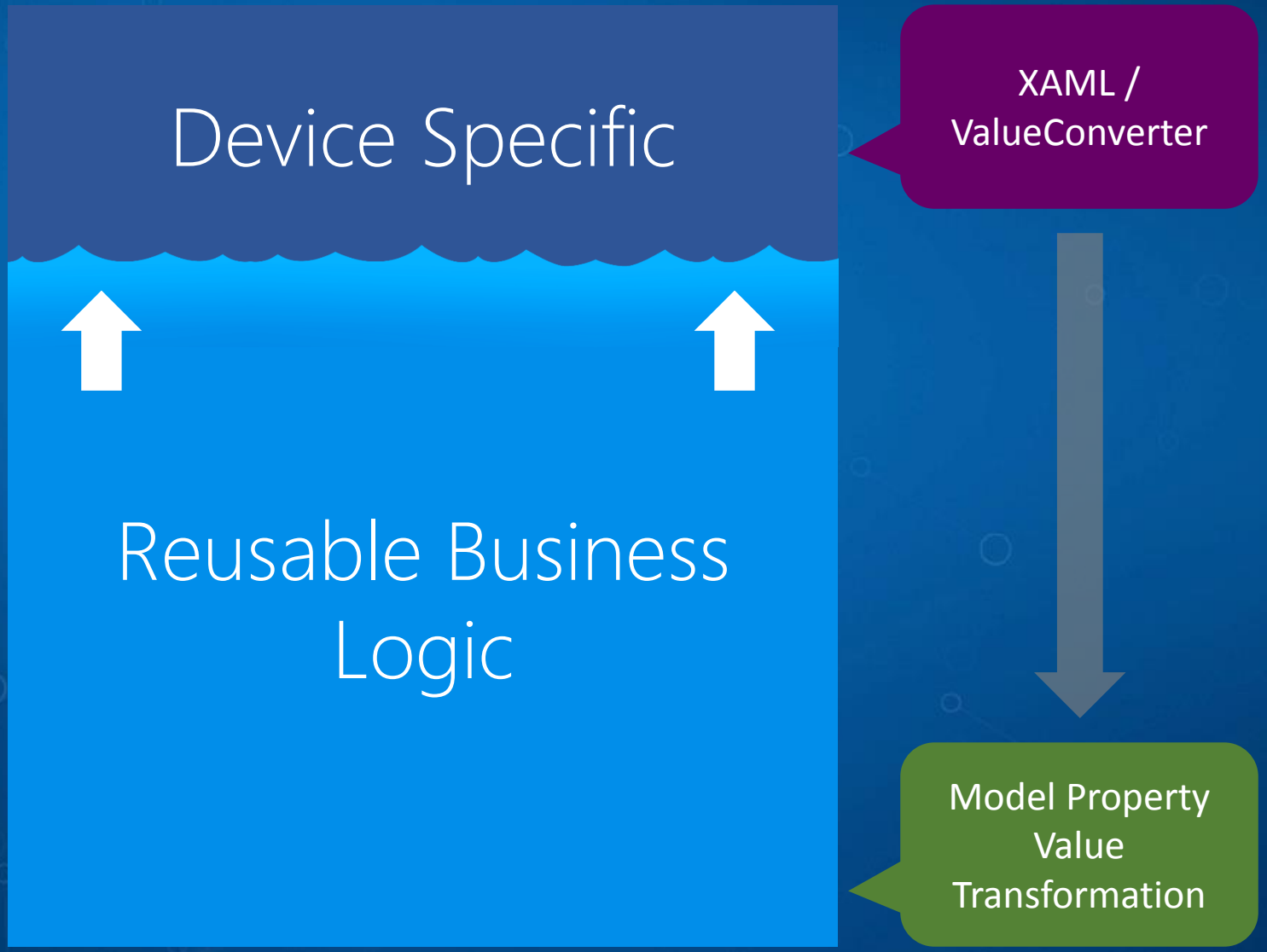
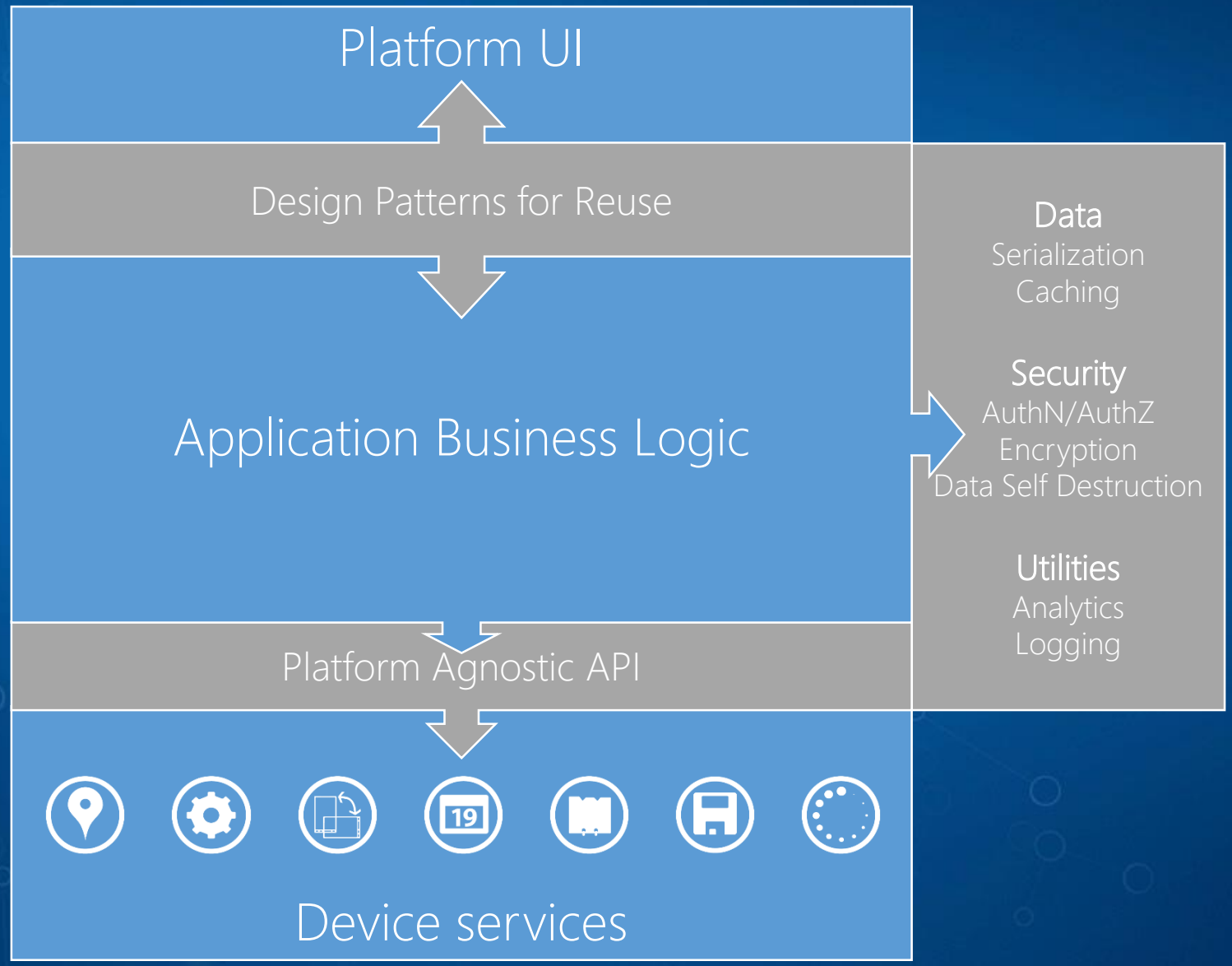
Code sharing

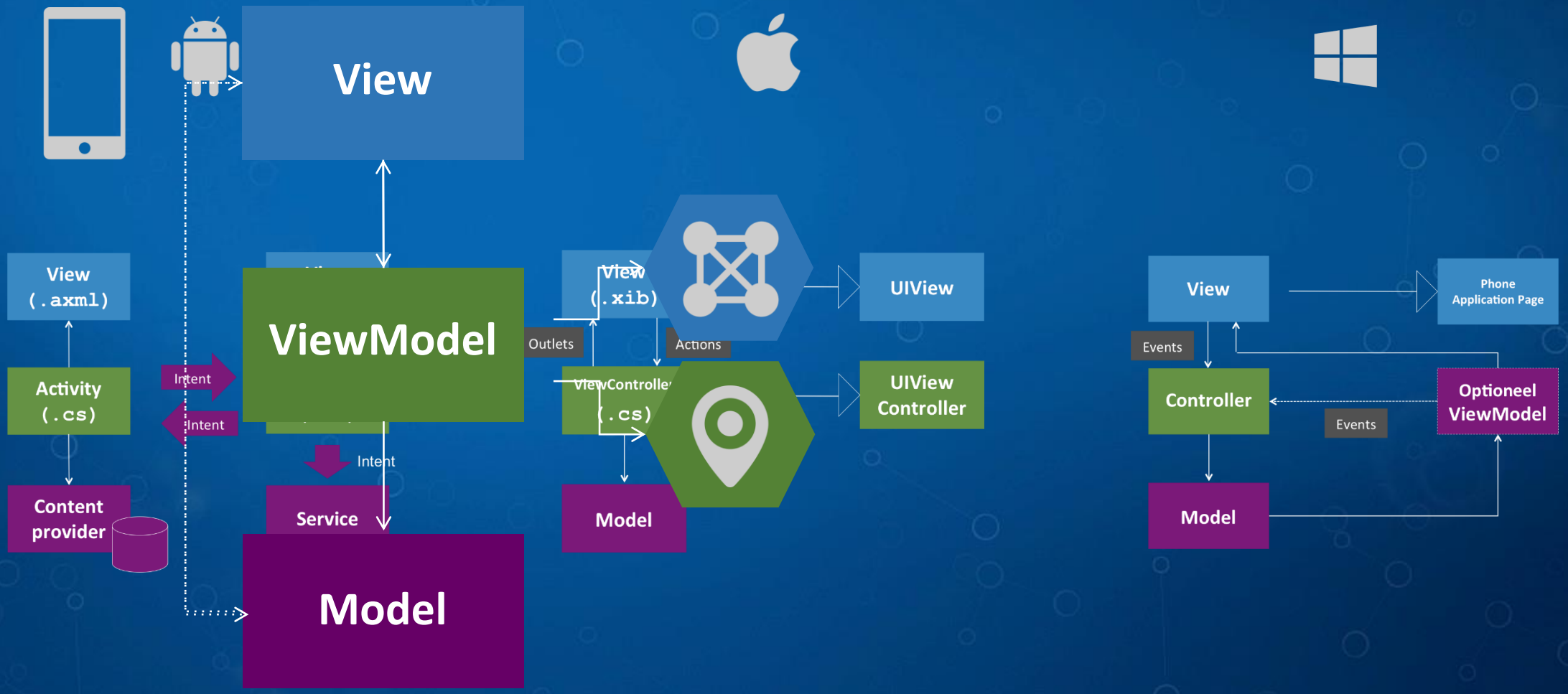
The promise




Device Specific
Reusable Business Logic
XAML / ValueConverter
Model Property Value Transformation


Platform UI
Design Patterns for Reuse
Application Business Logic
Platform Agnostic API
Device services
Data
Serialization
Caching
Security
AuthN/AuthZ
Encryption
Data Self Destruction
Utilities
Analytics
Logging

Design patterns for reuse

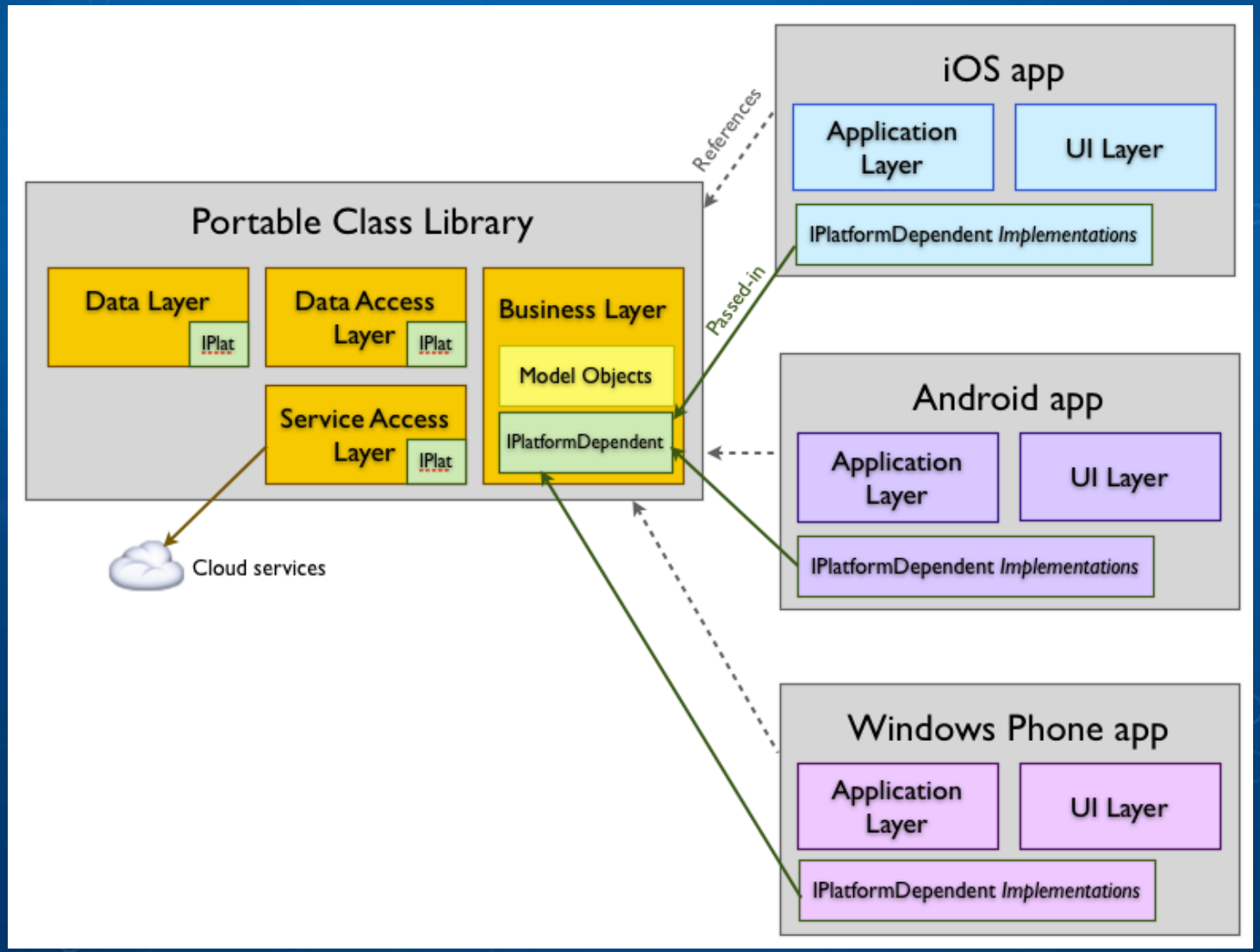


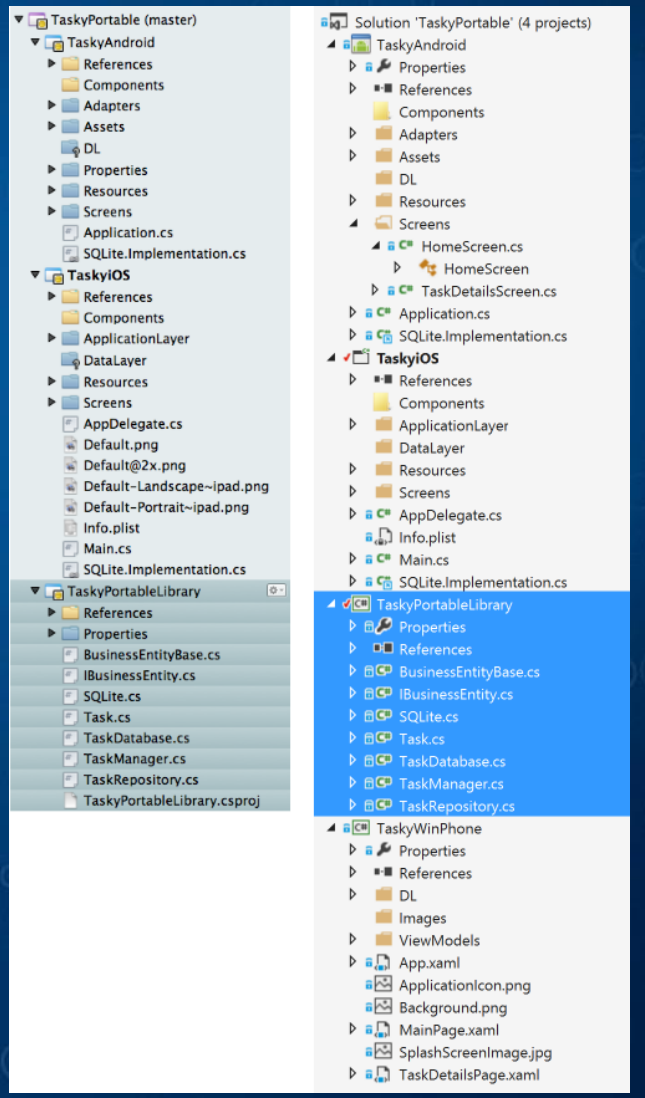
Platform Agnostic API

Device abstraction

Xamarin.Mobile or Roll Your Own

Portable Class Libraries & Shared libraries





Dependency injection 101

A.cs

PCLExample

```
class A
{
    public void DoSomething()
    {
        // Resolve IA, and use it
        ServiceContainer.Resolve<IB>().DoSomething()
    }
}
```

B.cs

PCLExample.Android

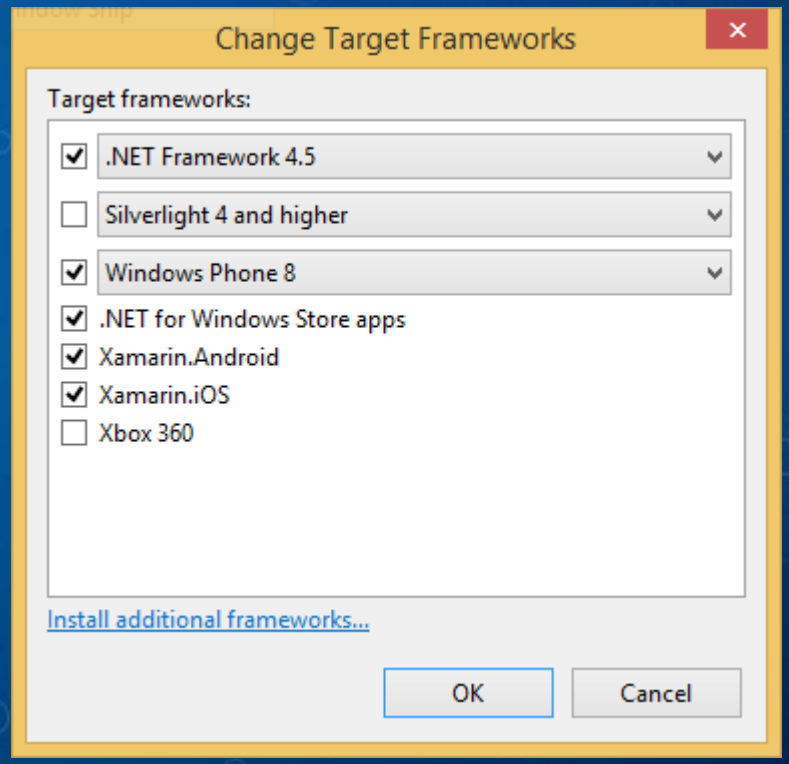
```
public class B : IB
{
    public void DoSomething()
    {
        // Do something Android specific
    }
}
```

B.cs

PCLExample.iOS

```
public class B : IB
{
    public void DoSomething()
    {
        // Do something iOS specific
    }
}
```

PCL Profiles – pick the one for you



Profile 78 (.NET 4.5, Windows 8.0, Windows Phone Silverlight 8.0)
Async/Await
Works out of the box
Very good Xamarin compatibility
This is Xamarin's current preferred profile, but that will likely change to 259 in the future

Hands on