

Native iOS & Android Development with Xamarin

Presenter Name Presenter Twitter Presenter Title

Xamarin – Your Complete Mobile Solution

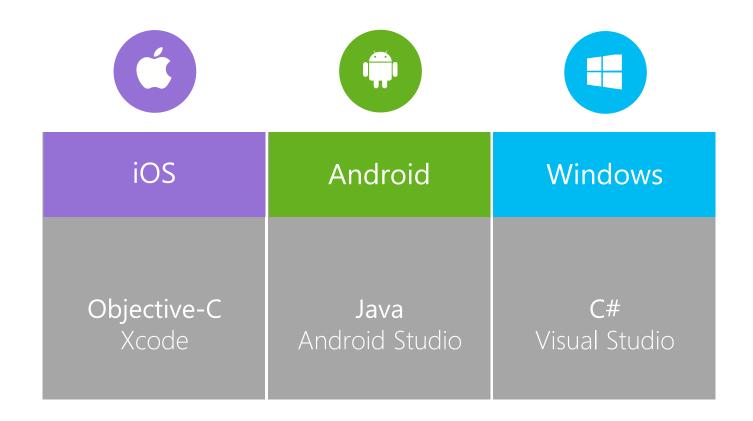


Tapped on view with class: AppCompatButton Tapped on view with class:

14

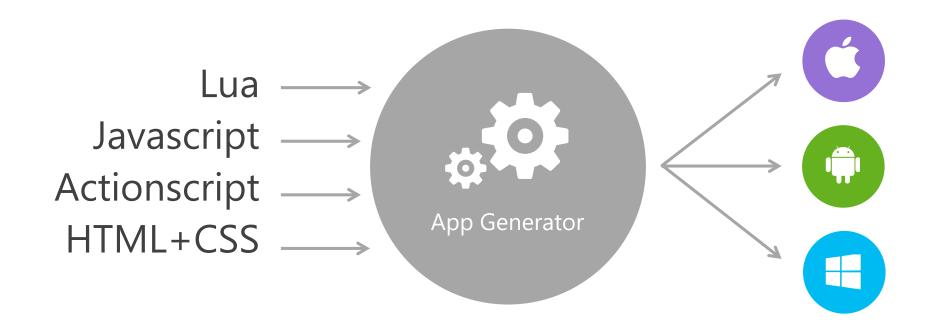
Architecting Mobile Apps

Silo Approach



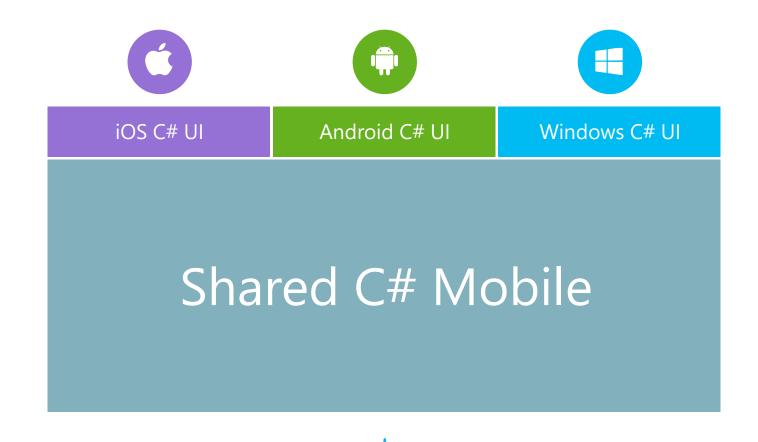
No shared code • Many languages & development environments • Multiple teams

Write Once, Run Anywhere



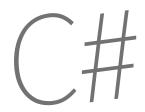
Limited native API access • Slow performance • Poor user experience

Xamarin's Unique Approach



Windows APIs

Microsoft.Phone	Microsoft.Networking	Windows.Storage	Windows.Foundation	Microsoft.Devices
System.Net	System	System.IO	System.Linq	System.Xml
System.Data	System.Windows	System.Numerics	System.Core	System.ServiceModel



iOS – 100% API Coverage

MapKit	UIKit	iBeacon	CoreGraphics	CoreMotion
System.Net	System	System.IO	System.Linq	System.Xml
System.Data	System.Windows	System.Numerics	System.Core	System.ServiceModel

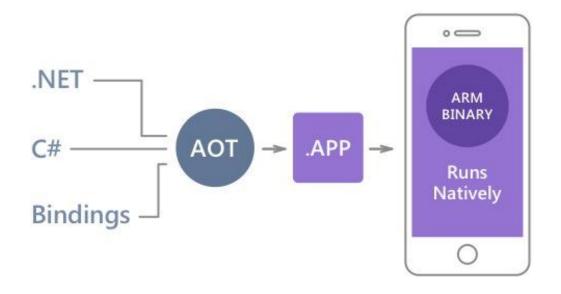


Android – 100% API Coverage

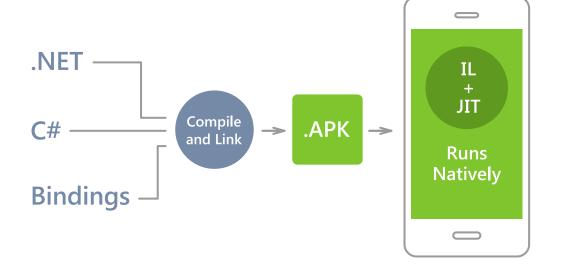
Text-to-speech	ActionBar	Printing Framework	Renderscript	NFC
System.Net	System	System.IO	System.Linq	System.Xml
System.Data	System.Windows	System.Numerics	System.Core	System.ServiceModel



Native Performance

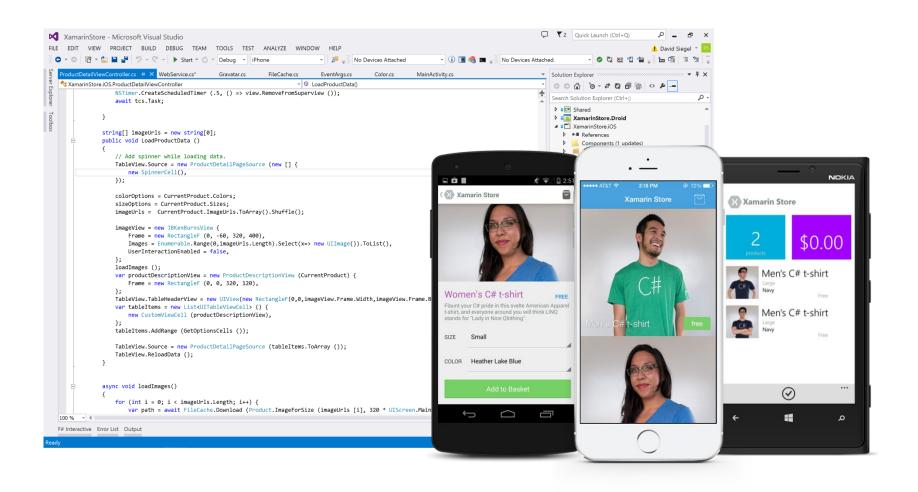


Xamarin.iOS does full Ahead Of Time (AOT) compilation to produce an ARM binary for Apple's App Store.



Xamarin.Android takes advantage of Just In Time (JIT) compilation on the Android device.

Anything you can do in Objective-C, Swift, or Java can be done in C# and Visual Studio with Xamarin.



✓Always Up-to-Date

Same-day support:

- iOS 5
- iOS 6
- iOS 7
- iOS 7.1
- iOS 8
- iOS 9

Full support for:

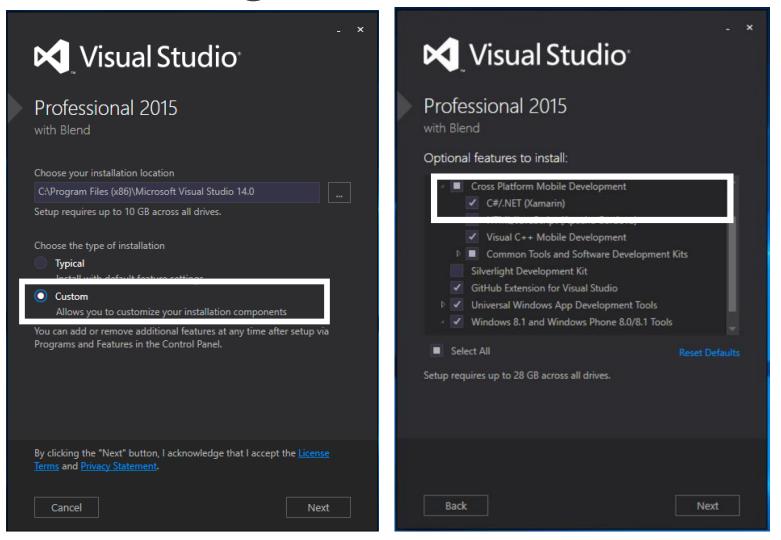
- Apple Watch
- Android Wear
- Amazon Fire TV
- Google Glass
- and much more

Development Experience

Xamarin is included in Visual Studio

Including Community Edition!

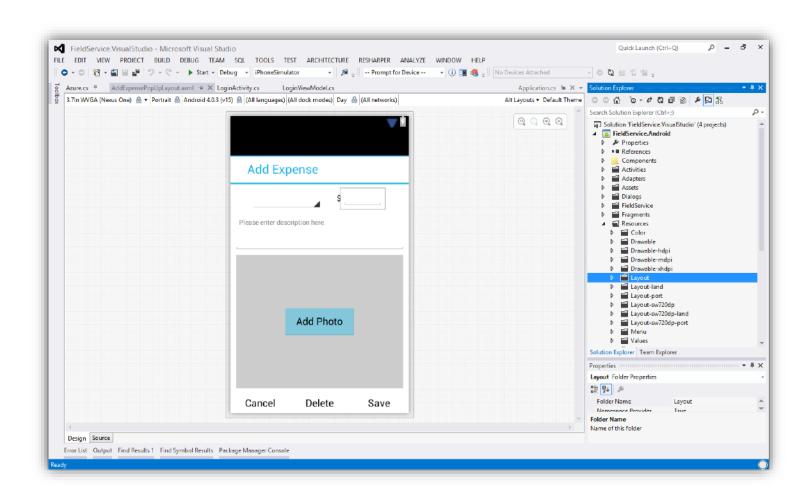
Visual Studio Integration



Xamarin.com/Download

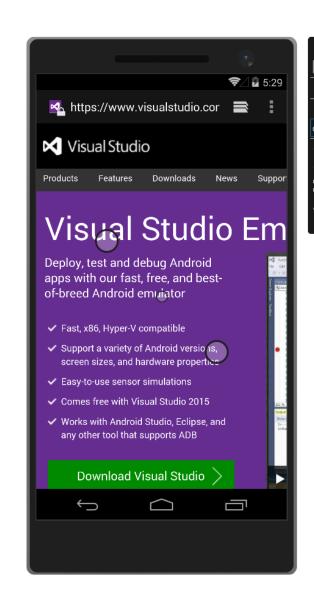
Android Designer

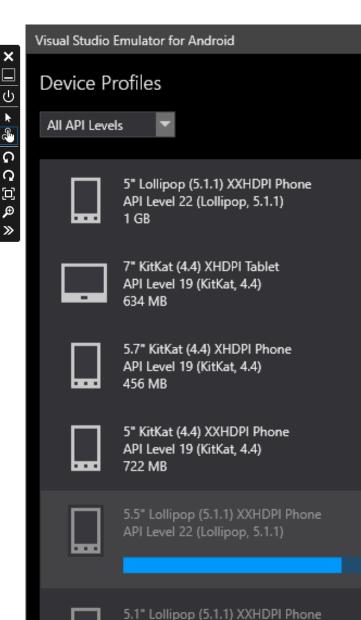
- Create UI with drag & drop simplicity
- Target multiple screen sizes, resolutions and Android versions
- Layouts saved in standard Android XML files



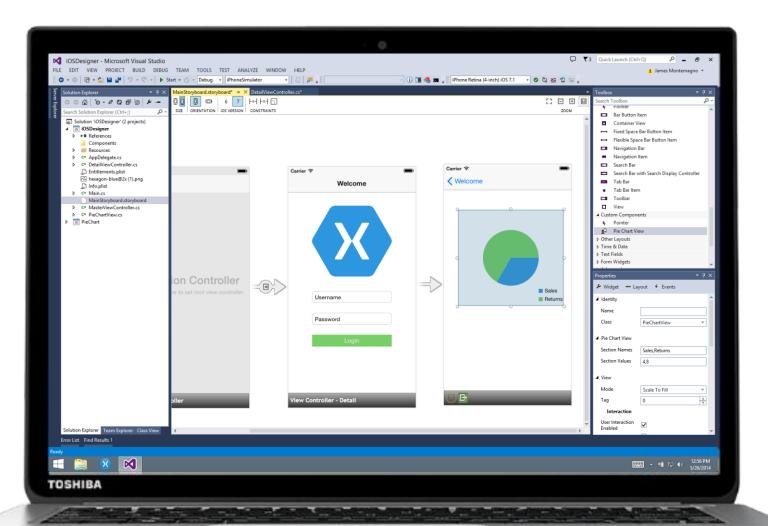
Android Hyper-V Emulators for PC

- Multi-Touch Enabled
- Super Fast
- Rotate, screenshots, location changes, and more!





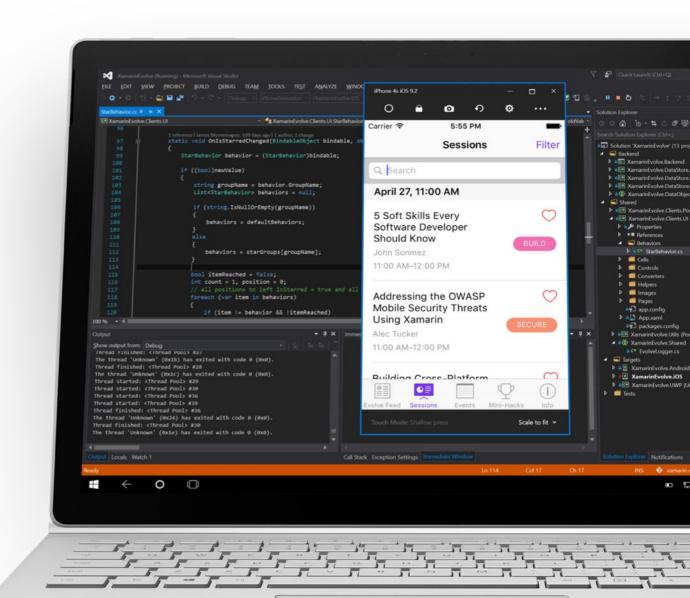
Xamarin Designer for iOS



- Follows familiar Visual Studio designer idioms
- Supports all UIKit elements
- Edit custom and 3rd party components
- Live preview of changes to properties

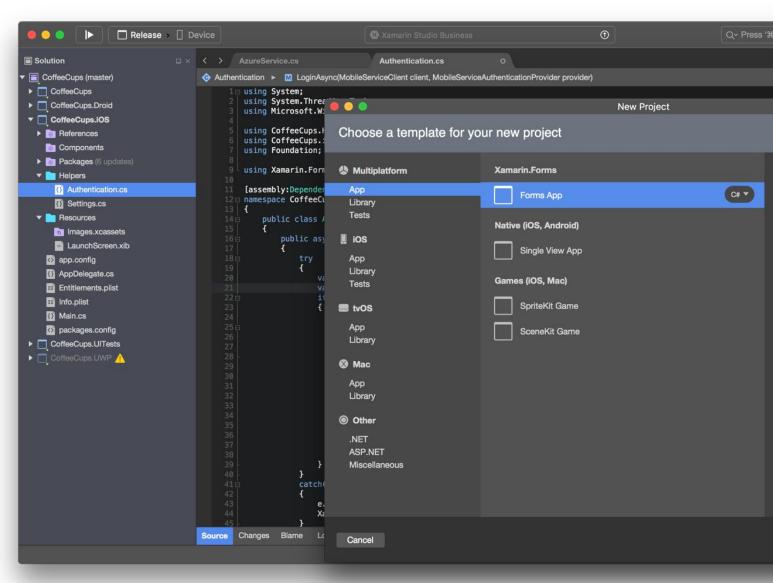
Visual Studio iOS Simulator Remoting

- Multi-Touch Enabled
- Pressure Sensitive
- Super Fast
- Rotate, screenshots, location changes
- Never leave VS

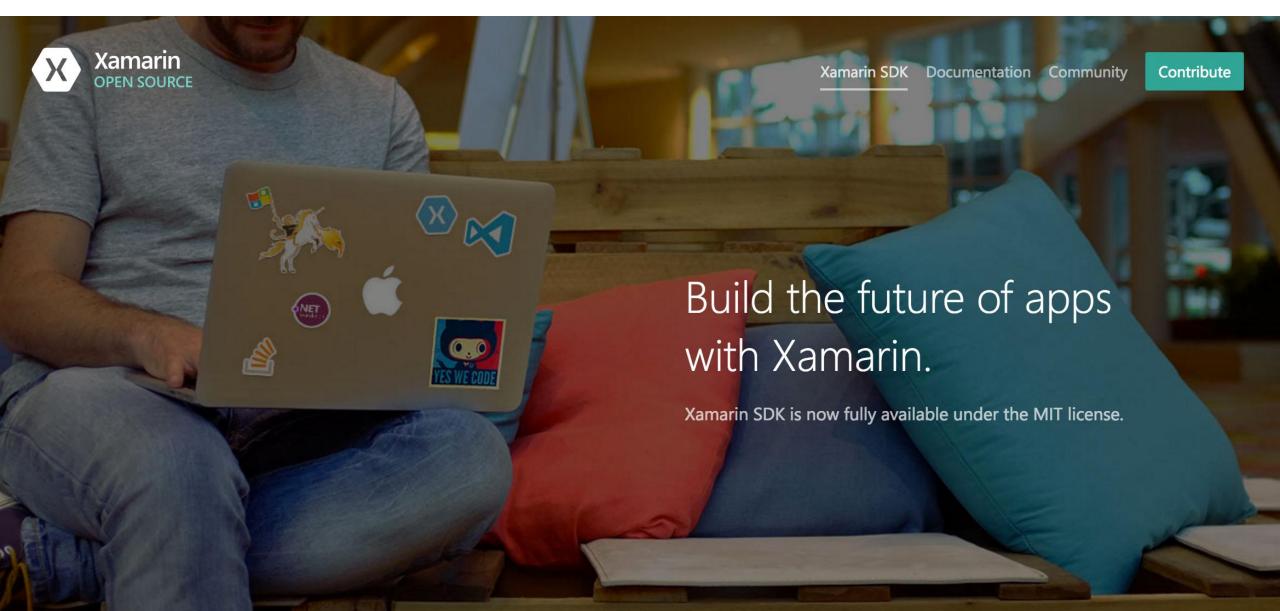


Xamarin Studio – Mac



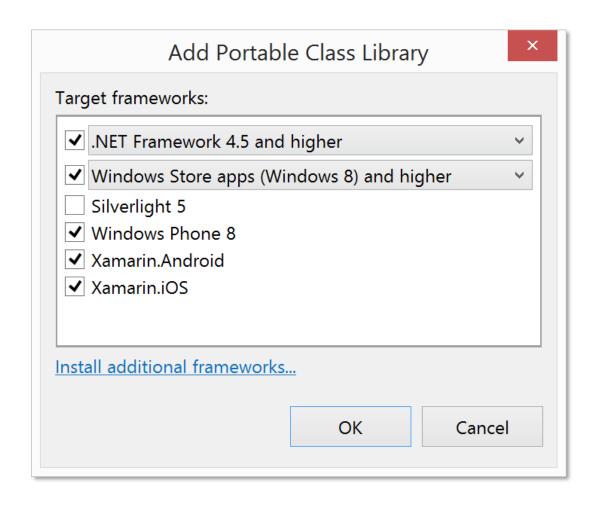


Open Source – open.xamarin.com



Sharing Code

Portable Class Libraries

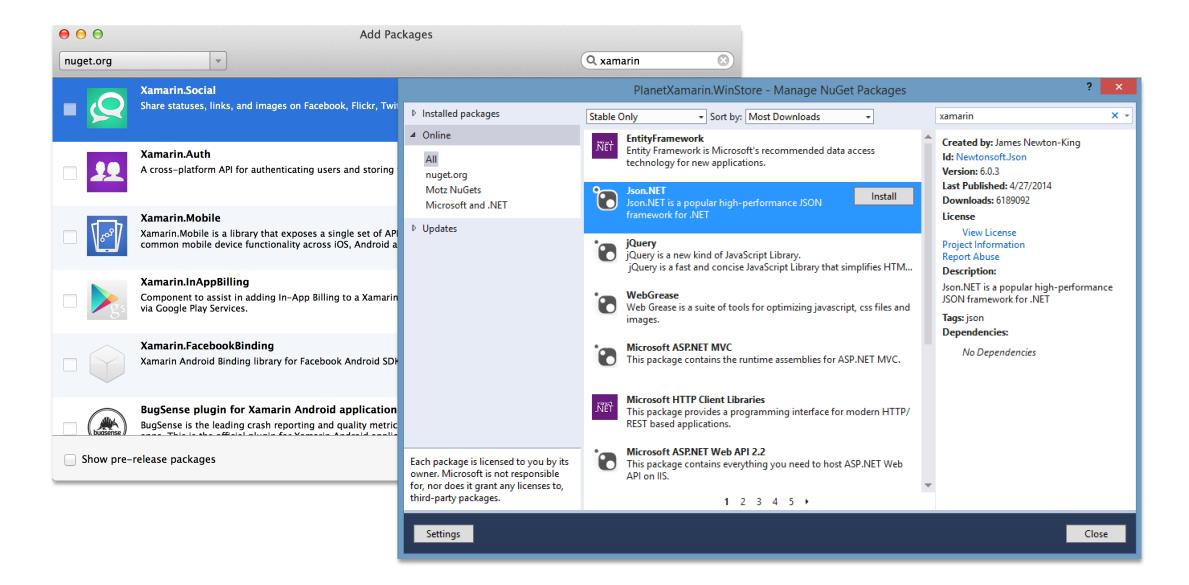


1 AssemblyMultiple Platforms

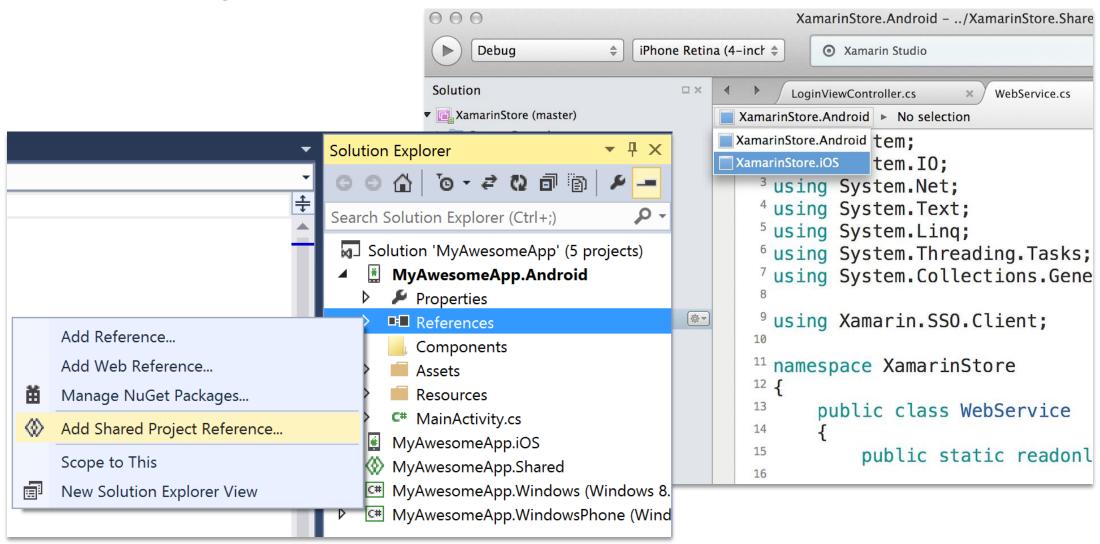
Including:

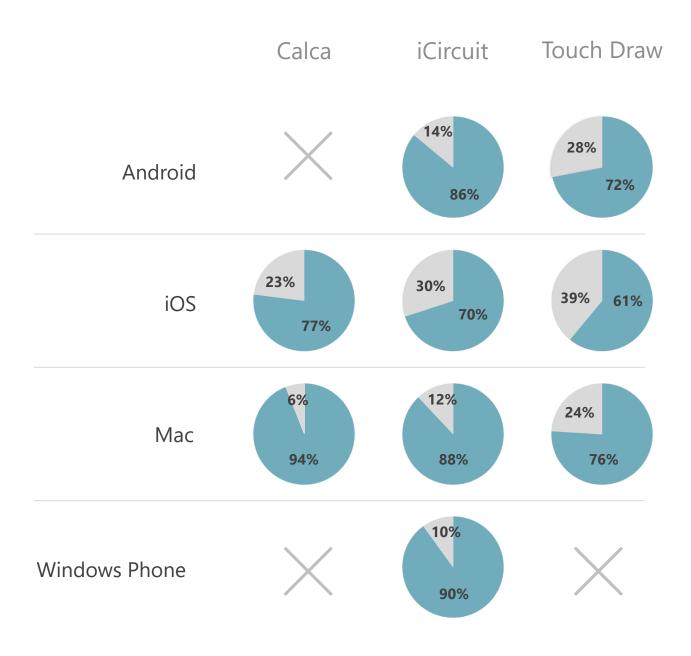
Xamarin.iOS and Xamarin.Android

NuGet



Shared Projects

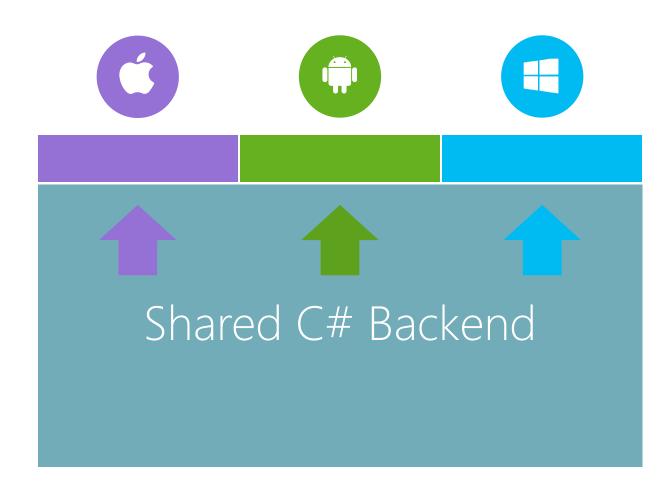




Code Sharing Stats

Let's Build an App

Simplifying Development









UI+APIs

Battery
GPS
Lights
Notifications
Settings
Text To Speech

UI + APIs

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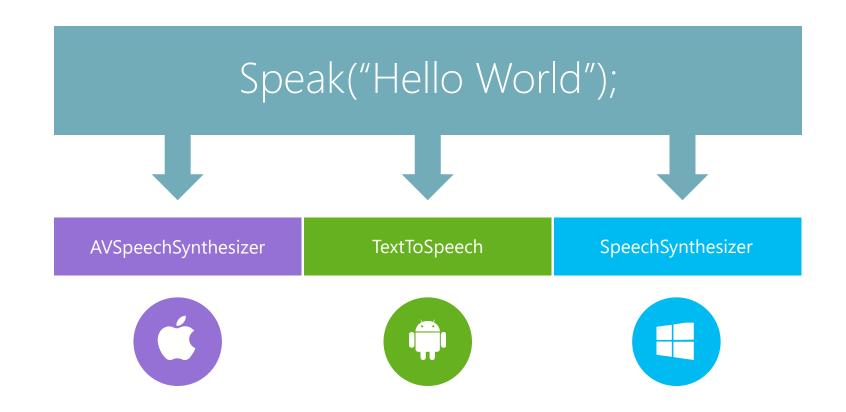
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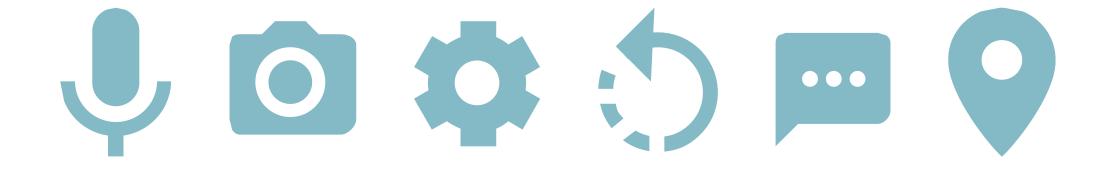
Platform Specific Code

What if we didn't have to write this code?

What if we could access it from shared code?



Common API



10 Minute Break

Presenter First Name Presenter Last Name Presenter Title