

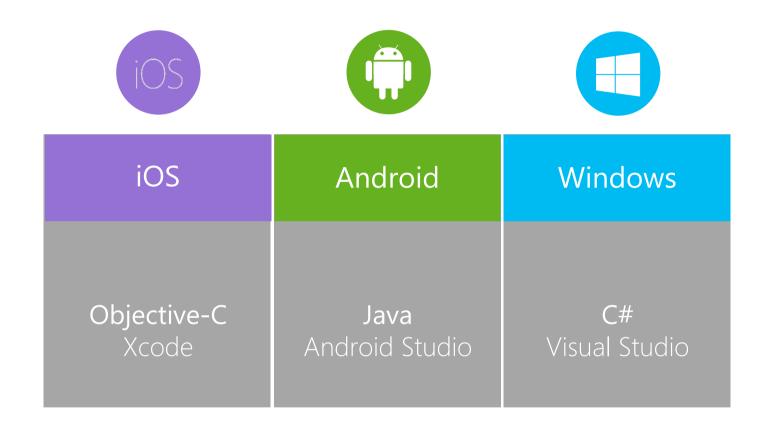
# Native iOS & Android Development with Xamarin

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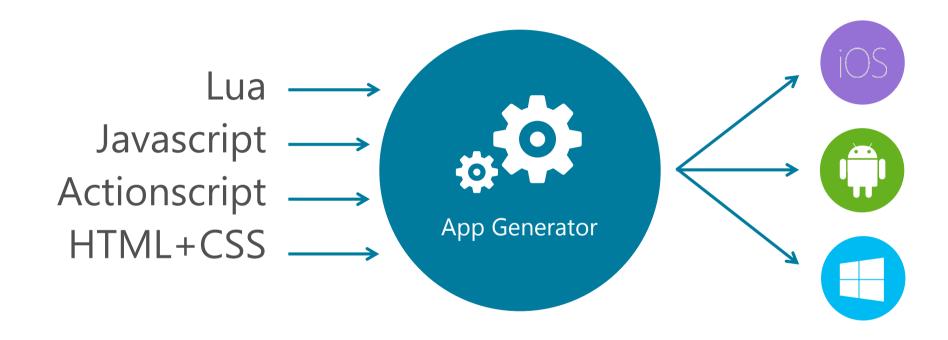
## Architecting Mobile Apps

## 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

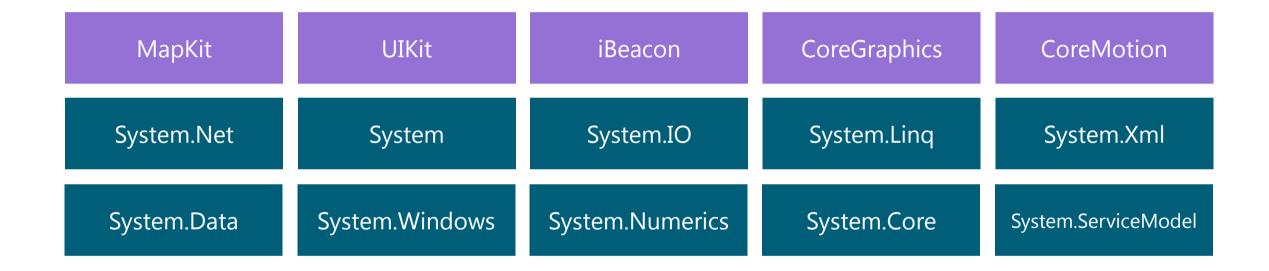


### Windows APIs

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





## 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



## Building User Interfaces

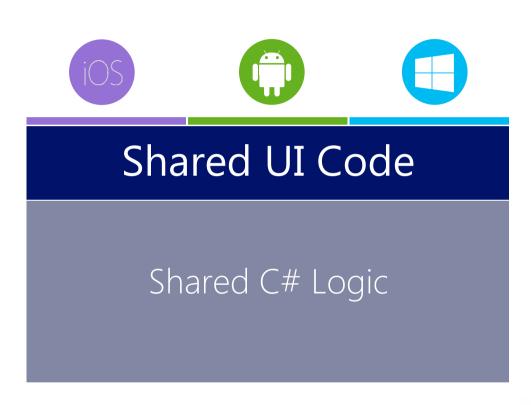
Traditional Xamarin Approach



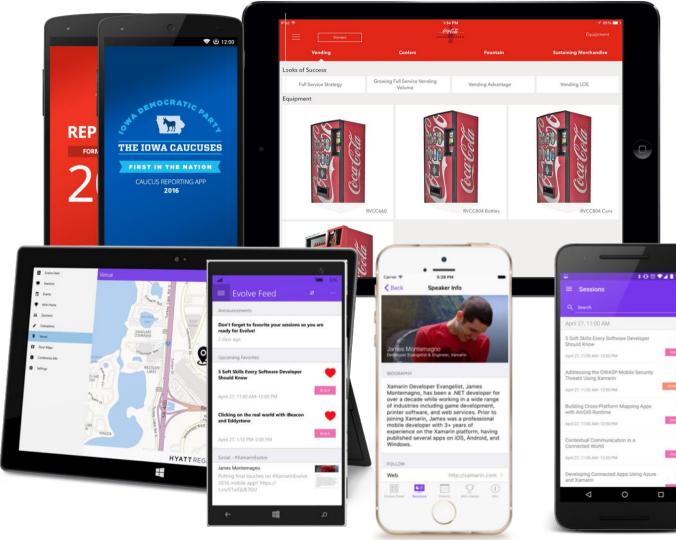
3 Native User Interfaces Shared App Logic



## Xamarin.Forms approach



Shared User Interface
Shared App Logic





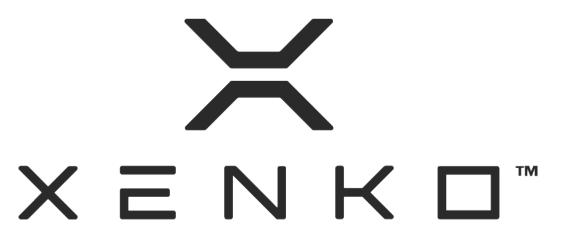




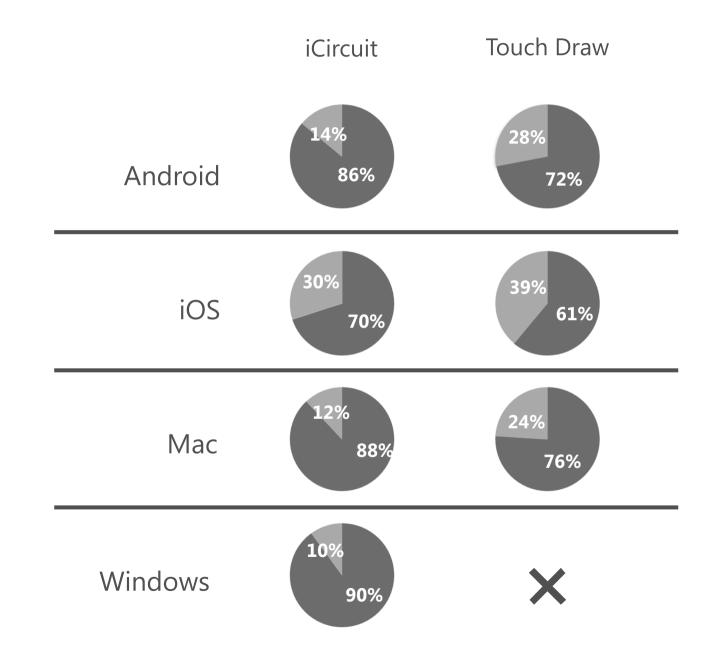




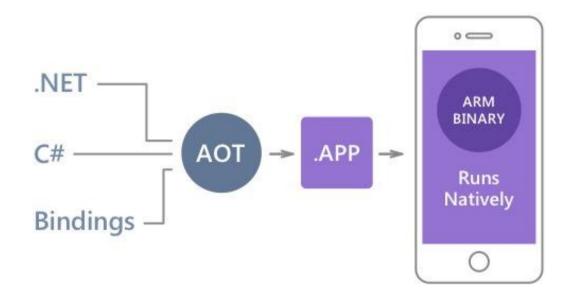




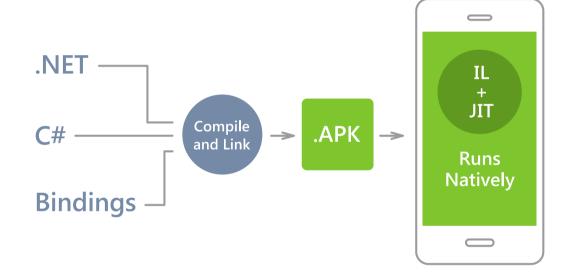
## Code sharing stats



#### 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.

## ✓Always Up-to-Date

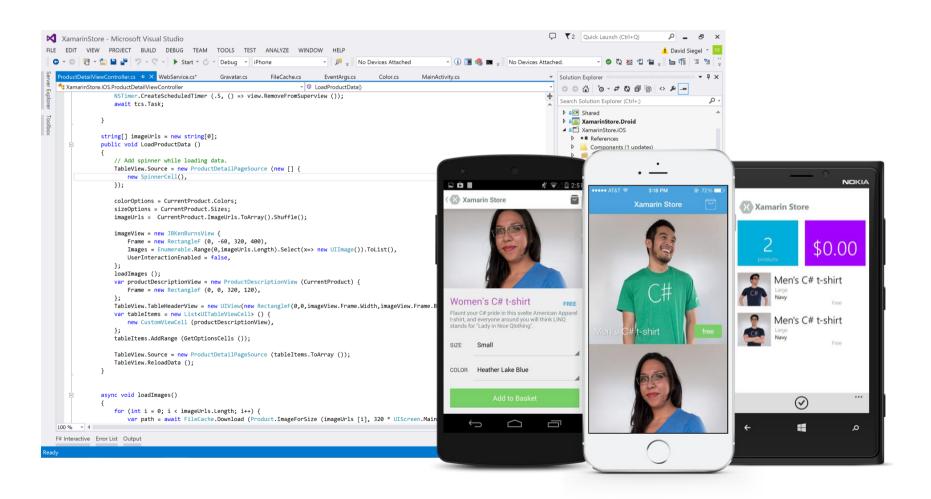
#### Same-day support:

- iOS 5
- iOS 6
- iOS 7
- iOS 8
- iOS 9
- iOS 10

#### Full support for:

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

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

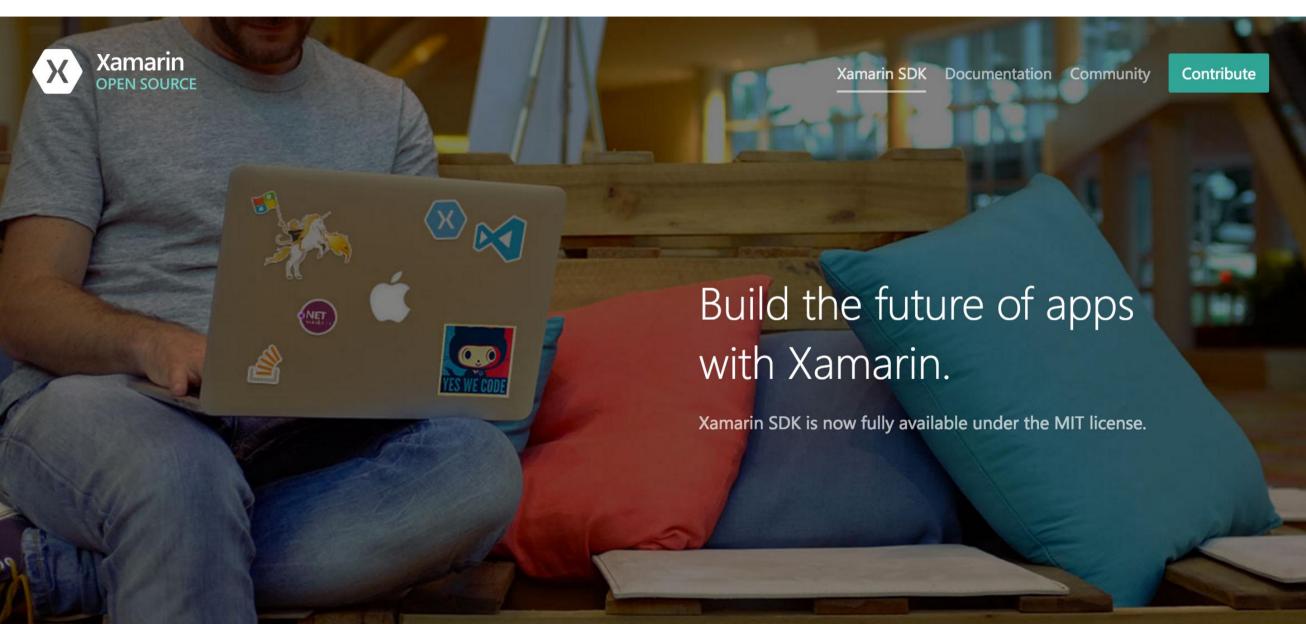


## Development Experience

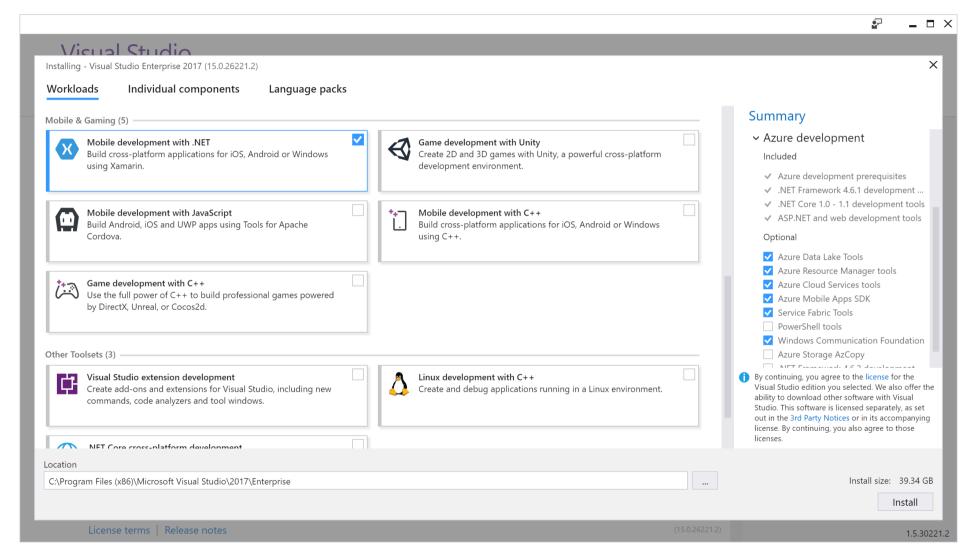
# Xamarin is included in Visual Studio

Including Community Edition!

## Open Source – open.xamarin.com

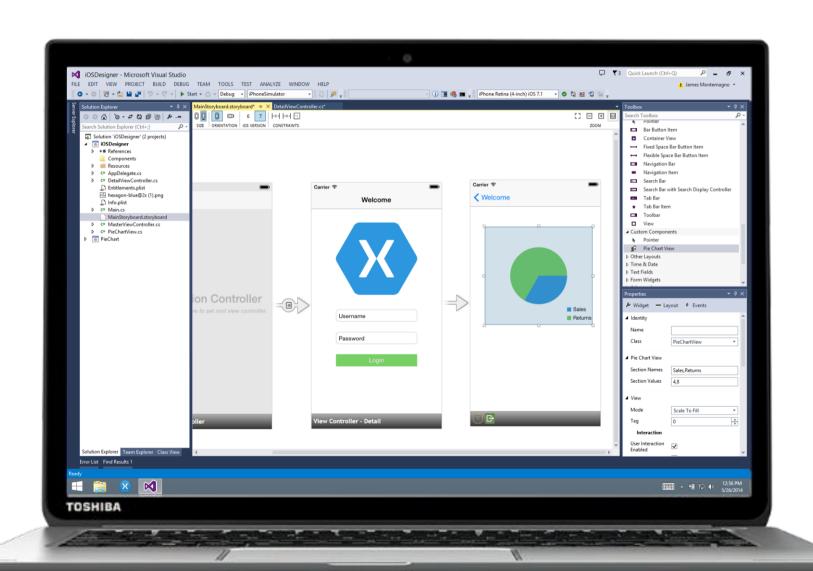


## Visual Studio Integration



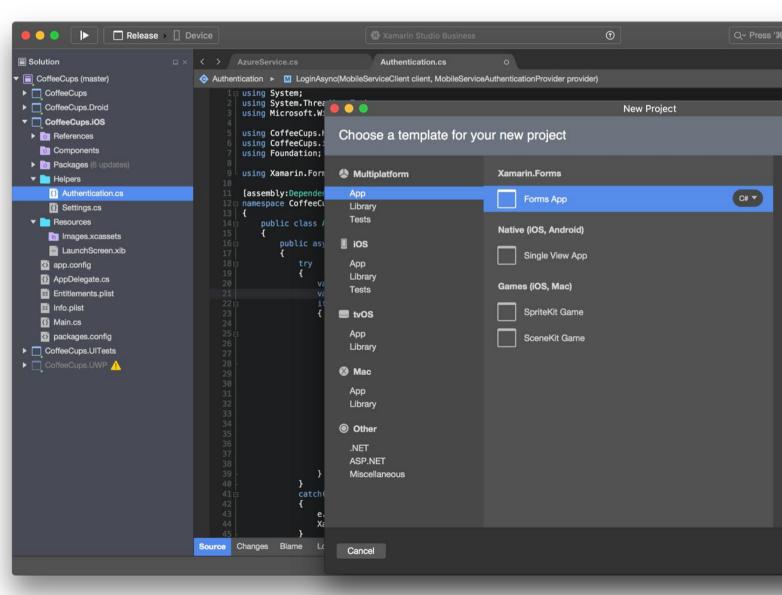
Xamarin.com/Download

### Xamarin for Visual Studio



#### Xamarin Studio – Mac





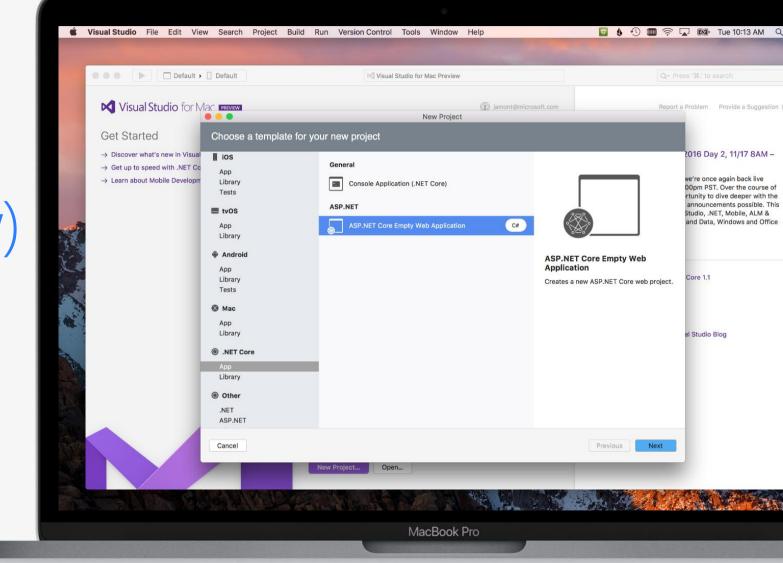
# Visual Studio for Mac (Preview)

iOS, Android, & macOS

.NET development

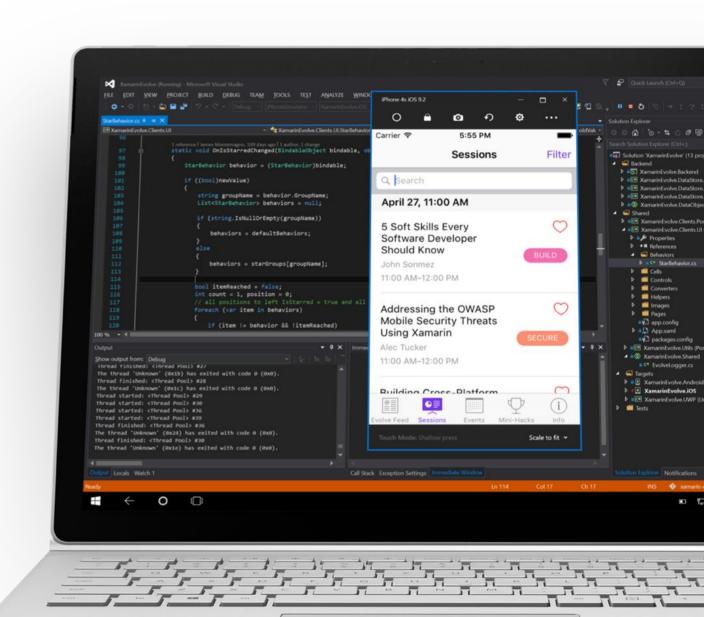
.NET Core & ASP.NET Core

Tools for Azure



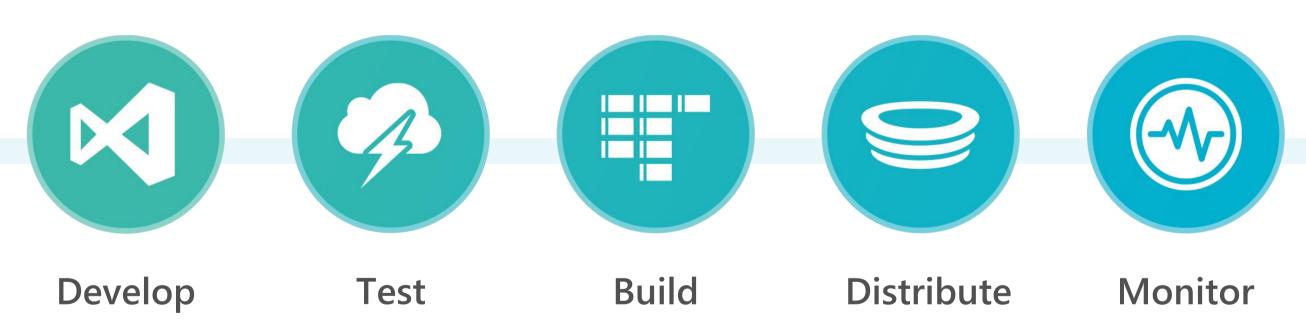
## Visual Studio iOS Simulator Remoting

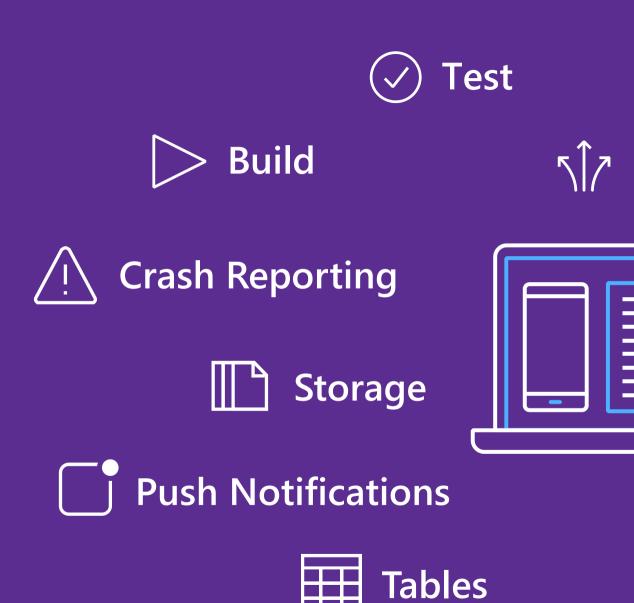
- Multi-Touch Enabled
- Pressure Sensitive
- Super Fast
- Rotate, screenshots, location changes
- Never leave VS

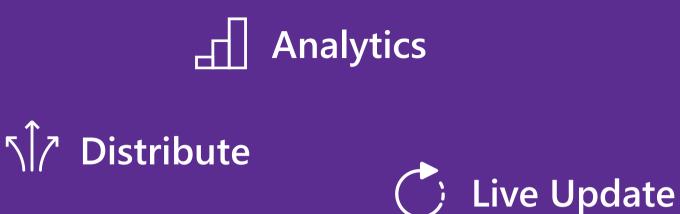


## DEMO

## Microsoft's complete mobile DevOps solution













Q & A