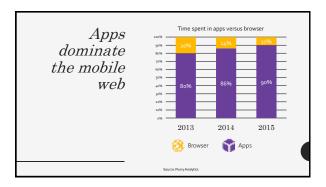
Cross Platform Mobile Apps With Visual Studio And Ionic



Justin James 7-1-2016

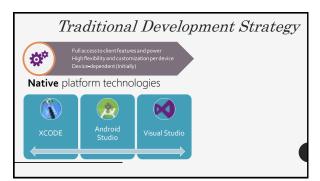
Mobile represents the single largest technology innovation of all time

10X Faster than the PC boom
2X Faster than the Internet boom
3X Faster than the social networking explosion

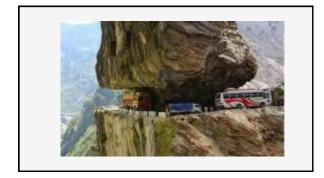


I wanted to build a mobile app too!





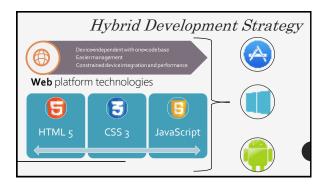












The biggest mistake we've made as a company is betting on HTML 5 over native

Mark Zukerberg September, 2012 via venturebeat.com

It's not 2007 anymore

Year	Device	Processor	Ram
2007	iPhone 1	620 MHz	128 MB

Year	Device	Processor	Ram
2007	iPhone 1	620 MHz	128 MB
2010	iPhone 4	1 GHZ	512 MB
	_		

Year	Device	Processor	Ram
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Apache Cordova

Open source framework middleware that bundles your html, javascript, and css into a mobile application that has access to the device



Cordova Project - HTML, CSS, BA Auert - Platform code Plagin code Create Visual Studio Project - Windows specific plant code - Windows specific plan

Xamarin vs Cordova

Xamarin

- Existing XAML and C# Skills
- Shared business logic / UI for each platform
- Full Device Access

Cordova





- Existing HTML/CSS/JS Skills
- Single UI and Logic across platforms
- Limited Device Access

Android Setup

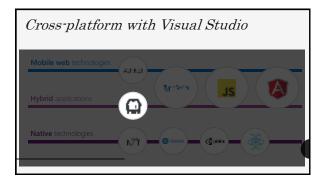
- Windows/Linux/OSx
- Java SDK 8
- Android SDK
- Android Studio
- Google Chrome
- Google Developers Account
- Visual Studio Android Emulator

$iOS \\ Setup$

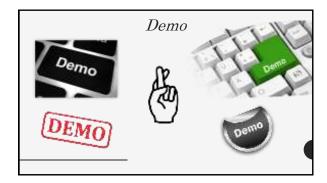
- OSx Only
- Xcode
- Xcode Command Line Tools
- iOS Simulator
- Safari
- Apple Developers Accounts

Visual Studio Tools for Apache Cordova

- Installs Platform Dependencies
- iOS, Android, and Windows development entirely in Visual Studio
- Easily add native device capabilities
- Powerful features such as templates, debugger, emulators, device deployment, etc.



taco.visualstudio.com

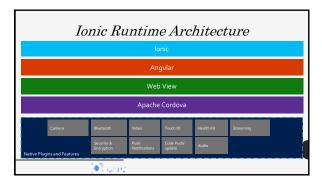




Six Reasons For Ionic Framework

- 1. Missing Cordova UI Framework
- 2. Built On Top of Angular
- 3. Performance Obsessed
- 4. Zero Code Redundancy
- 5. Native APIs
- 6. Offline Support

(●) page



What Can You Build With Ionic?

If you can make a great web page you can make a great app!







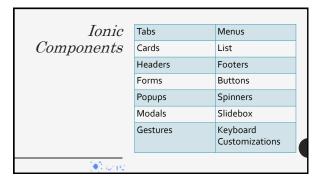
Sworkit

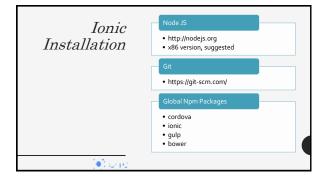


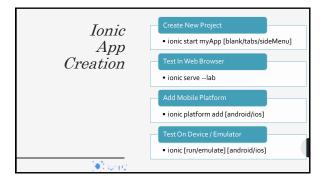
- Fitness App
- Downloaded over 3 million times
- Featured multiple times in both the Apple and Google Stores
- Appeared on Shark Tank and got 1.5 million in funding
- http://sworkit.com/











Ionic Pack Extension

- Built by Mads Kristensen
- Html Intellisense and Validation
- Javascript Intellisense
- Code Snippets
- http://tinyurl.com/ionicpack

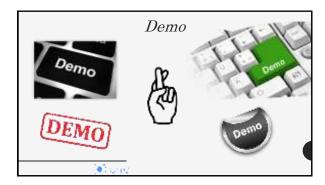


Ionic **Tooling**

- Icon and Splash Screen Sizing
- Ionic View (for v1)
- Creator
- Marketplace
- Ionic Platform







Ionic · Resources · ·

- $\bullet \ \ \text{Web Site} \underline{ionicframework.com}$
- Docs ionicframework.com/docs
- Meetups <u>blog.ionic.io/ionic-worldwide</u>
- Slack <u>ionicworldwide.herokuapp.com</u>
- Forums <u>forum.ionicframework.com</u>
- ?

• Cordova Plugins - <u>ngcordova.com</u>

Ionic Blogs

- <u>digitaldrummerj.me/categoryview/#ionic</u>
- mcgivery.com/100-ionic-frameworkresources/
- joshmorony.com/category/ionic-tutorials
- raymondcamden.com
 thepolyglotdeveloper.com



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http://digitaldrummerj.me/speaking

THANK YOU