



Next Level Cross-Platform

iOS, Android, web and beyond

Hey!

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NativeScript

The Basics

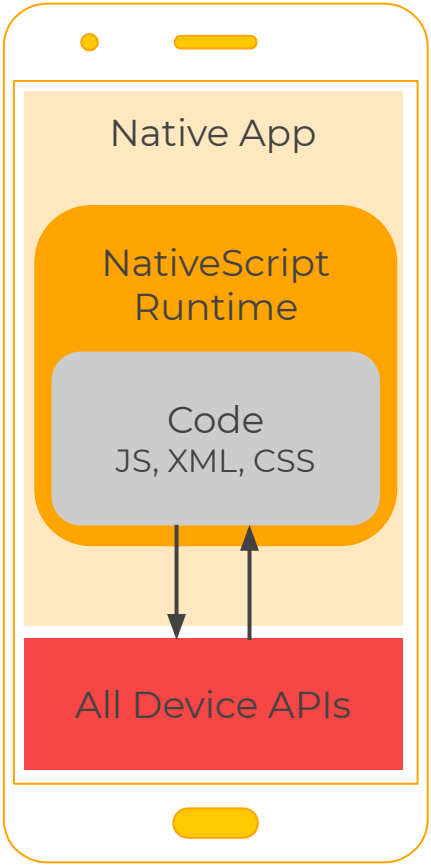




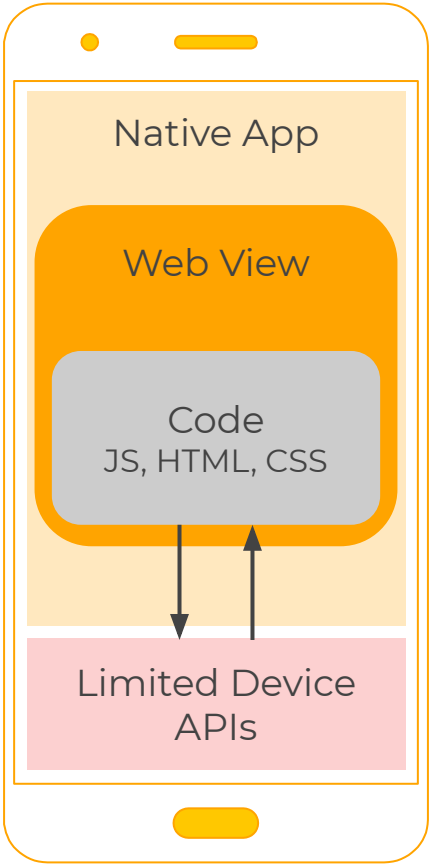
“

*Beautiful, accessible,
platform-native UI - without
WebViews. Define once and
let NativeScript adapt to run
everywhere.*

NativeScript



Hybrid Apps (Cordova, PhoneGap)



Accessing Device APIs

native

NativeScript

iOS	<code>let btn = UIButton();</code>	<code>var btn = new UIButton();</code>
Android	<code>Button btn = new Button(context());</code>	<code>var btn = new android.widget.Button(context());</code>
Module (Both)		<code>var btn = new Button();</code>



Angular for NativeScript

Framework in Framework



Angular Everywhere

“NativeScript doesn't require Angular, but it's even better when you use it.”



Hands-on?

[NativeScript Playground](#)





Code Sharing

Ship to mobile and web



todos

What's todo?

Prepare talk



Clean kitchen



Adopt pet cheetah



todo

What's todo?

ADD

Prepare talk



Clean kitchen



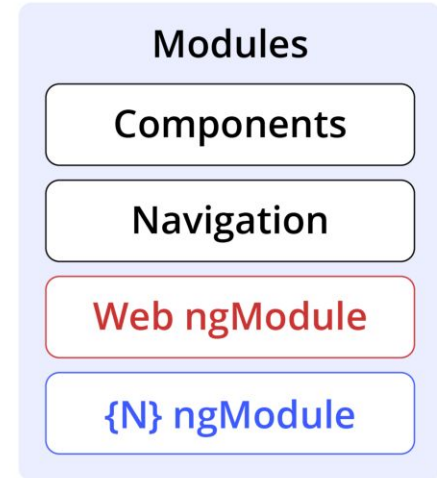
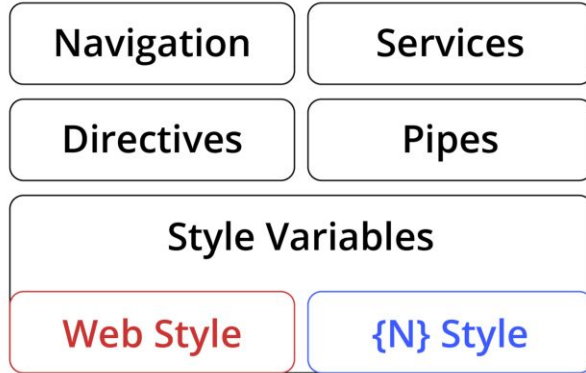
Adopt pet cheetah



Give Talk



Project



Build Process

Sebastian Witalec. Apps That Work Natively on the Web and Mobile. Angular Blog.
<https://blog.angular.io/apps-that-work-natively-on-the-web-and-mobile-9b26852495e7>

Hands-on!





Considerations

- ▶ Platform-agnostic & modular architecture required
- ▶ How similar can/should it be?
- ▶ Increased project complexity

ng add @nativescript/schematics won't solve everything for you

The AngularJS logo, a stylized yellow bird-like shape, is positioned in the background behind the text.

Going beyond

Full-Stack *Angular*

A decorative pattern of overlapping triangles in various shades of yellow, orange, and red, located on the right side of the slide.



- ▶ TypeScript, RxJS
- ▶ Modules, Pipes, Guards
- ▶ Dependency Injection
- ▶ Universal Integration

Share Even More Code

NestJS
Node.js Framework



Thanks!

Questions?

 @n_mehlhorn





Credits

- ◀ Quotes taken from nativescript.org
- ◀ [Apps That Work Natively on the Web and Mobile](#)
- ◀ Presentation template by [SlidesCarnival](#)

Appendix



JavaScript Engine

Any JS library



App code



Button

ListView

FileSystem

Modules

Live Reload
Over-the-air
updates



Hooks

Dispatcher

NativeScript Runtime

Zero Day
Support



System

Any native ..
.. interface
.. UI component
.. library

TypeScript

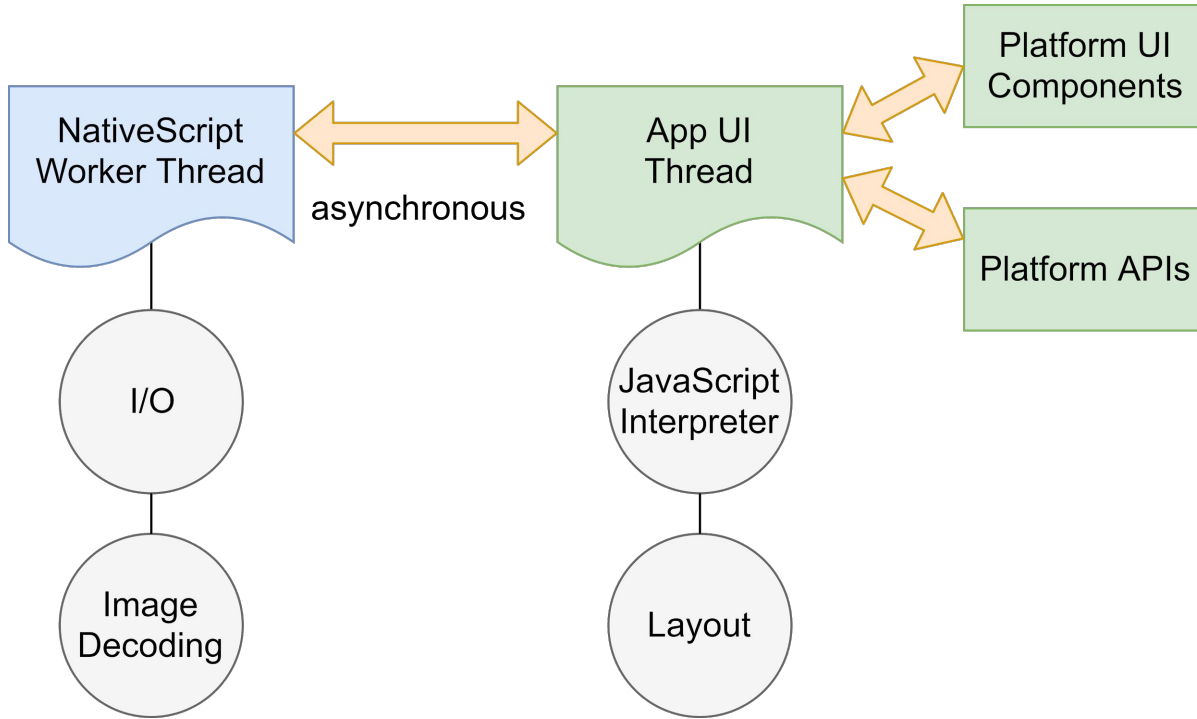


AOT

Routing

Components

NativeScript Thread Model



React Native Thread Model

