Sistemas Moviles y Plataformas Menores

React Native – Getting Started

Agenda

- What is React Native?
- Which are Native?
- Expo CLI vs React Native CLI
- Creating a new React Native Project
- Setup local development



What is React Native?

React.js



React Native



Real Native Mobile
Apps

A JavaScript library for building user interfaces

Typically used for web development

But it's actually react-dom that adds web support



React itself is platform agnostive

A collection of Special React Components

Components are compiled to Native UI elements

Native platform APIs exposed to JavaScript



React Native is like react-dom: It connects
React to specific platform

iOS

Android

What is React Native?

React.js + React Native

Compiled to..

Views are compiled

The JSX code and

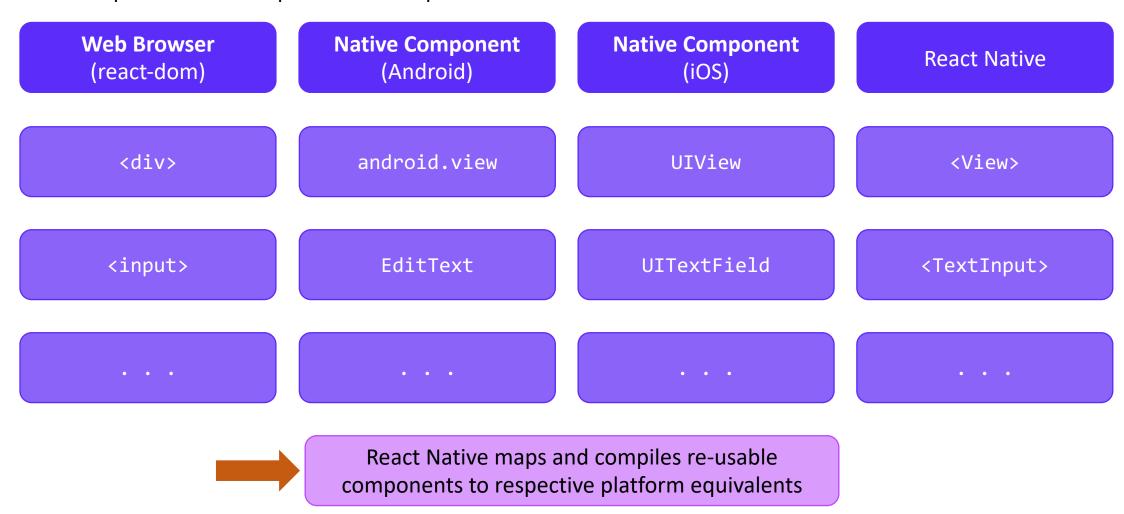
components.

Not the JavaScript logic

Real Native App

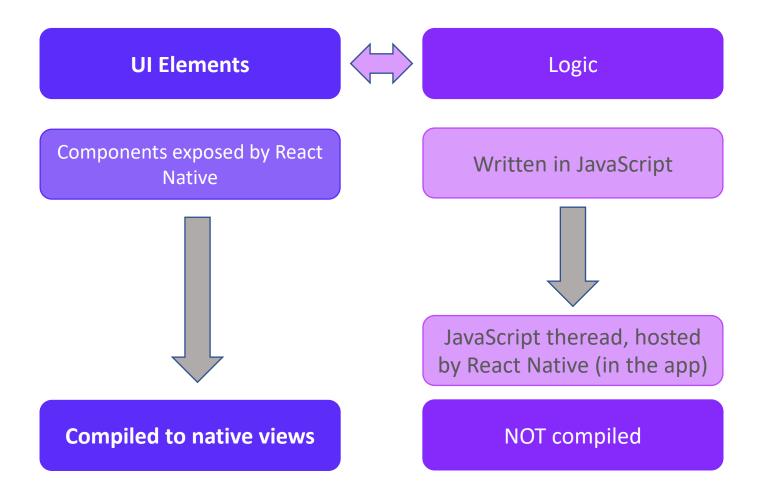
Which are Native?

The components are compiled to Native platform...



Which are Native?

What about the logic?



Expo CLI vs React Native CLI

Expo CLI (Expo)

You can switch ("eject") any time

React Native CLI

By the React Native team & community

Bare-bone development

Less convenience features

Easier integration with Native Source Code

Third party service (free)

Managed app developement

Very convenient, less friction

You can leave the Expo any time

Creating a New Reac Native Project





Create native apps for Android, iOS, and more using React

React Native combines the best parts of native development with React, a best-in-class JavaScript library for building user interfaces.

Use a little—or a lot. You can use React Native today in your existing Android and iOS projects or

https://reactnative.dev/docs/environment-setup

Setup local development

- Install Expo in your mobile device
- Local environment
 - GenyMotion
 - Android Studio
 - Visual Studio Code
 - Node JS
- Cloud environment
 - http://gitpod.io
- VSCode Plugins
 - Prettier
 - React Native Tools