

Sistemas Moviles y Plataformas Menores

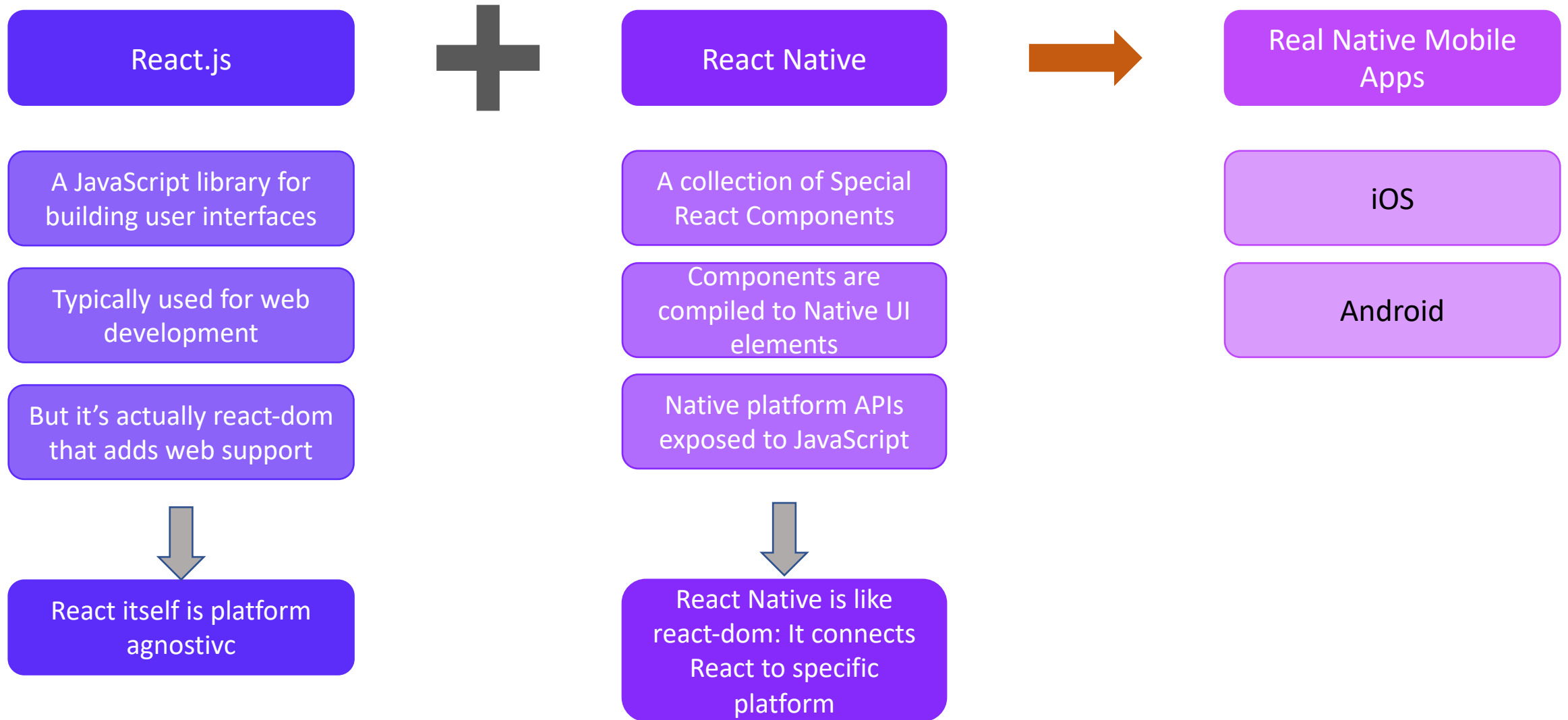
React Native – Getting Started

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?



What is React Native?

React.js + React Native

```
const App = props => {  
  return (  
    <View>  
      <Text>Hello  
class!!</Text>  
    </View>  
  );  
};
```

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...

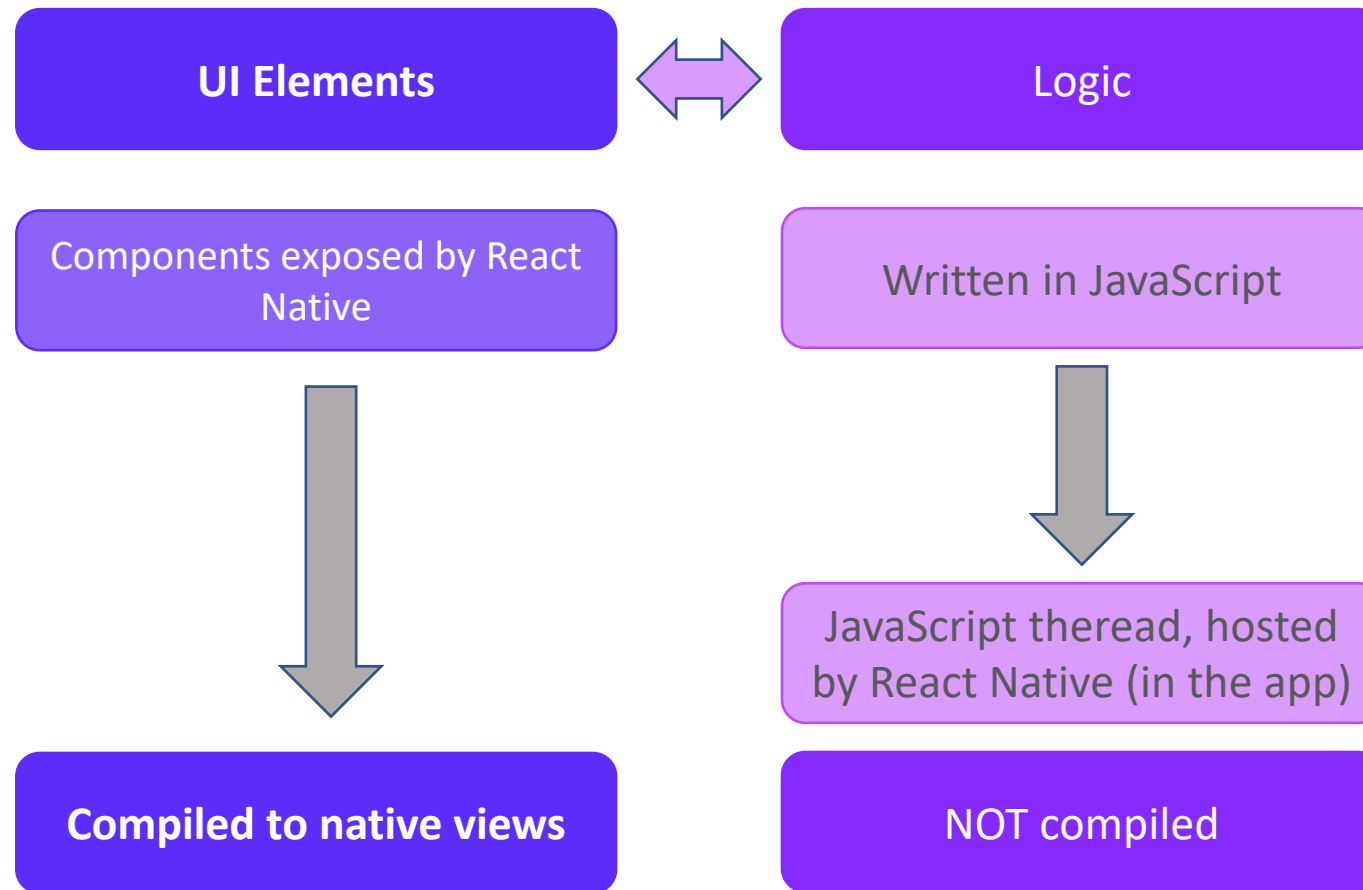
Web Browser (react-dom)	Native Component (Android)	Native Component (iOS)	React Native
<div>	android.view	UIView	<View>
<input>	EditText	UITextField	<TextInput>
...



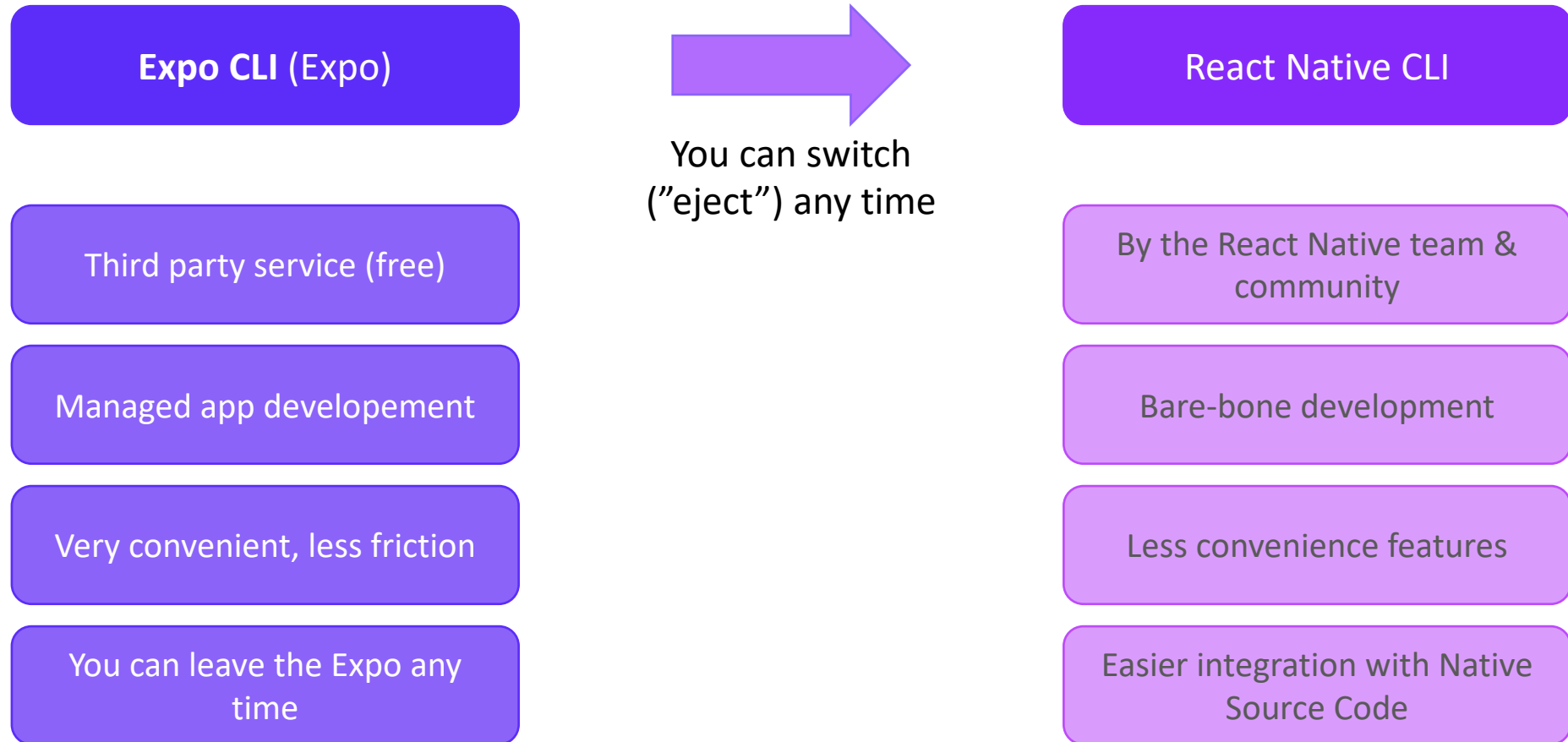
React Native maps and compiles re-usable components to respective platform equivalents

Which are Native?

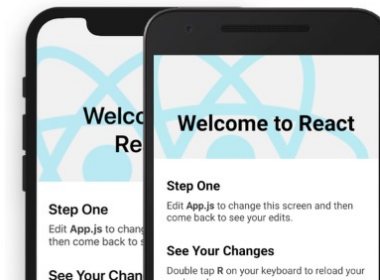
What about the logic?



Expo CLI vs React Native CLI



Creating a New React 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 you can create a whole new app from scratch.

<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