Build Cross Platform React Native Apps with Exponent and Redux

GET STARTED

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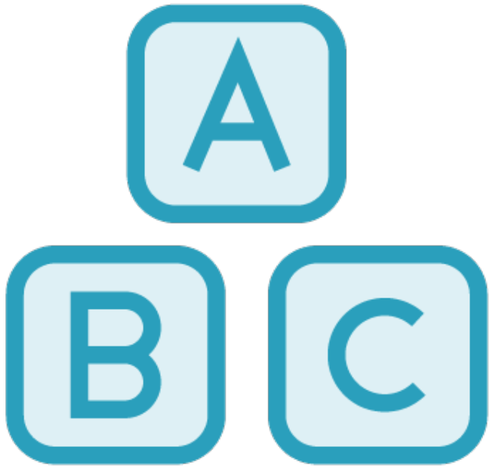
Why Use React Native?

React Native

Friendly workflow

Massive community



Code reuse

JavaScript 2015+

React Native build environment includes modern features through Babel

React

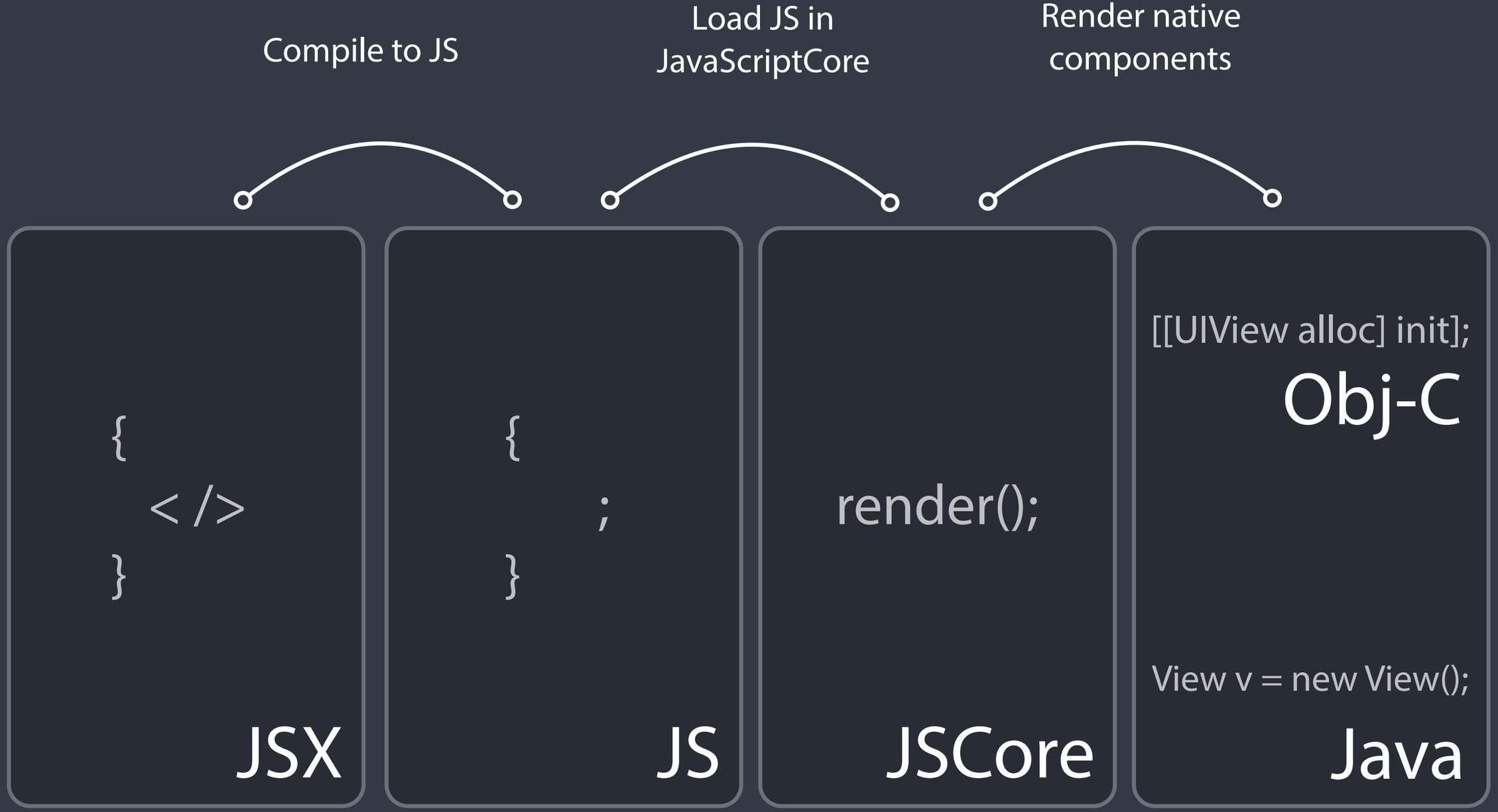
Easy to learn and understand

Proven in the Wild

Used by Facebook

This Is What We'll Build

React Native Overview


Compile to JS
Load JS in JavaScriptCore
Render native components
{
< />
}
JSX
{
;
}
JS
render();
JSCore
[[UIView alloc] init];
Obj-C
View v = new View();
Java

Focus on cross platform
React Native development.

React Native does not just wrap HTML, it uses 100% native views.

React Overview

Quickest React intro ever.

```
import {Component} from’react’;

class Cat extends Component {
    render() {
        return (
            <p>
                {this.props.name}
            </p>
        );
    }
}

export default Cat;
```

- Reference base component
- Extend base component
- Define the render function
- Bind to value passed through props
- Export component class

```
import {Component} from’react’
import {Cat} from “./Cat”
class Main extends Component {
    render() {
        return (
          <div>
            <Cat name=“hendrik” />
          </div>
        );
    }
}

export default Main;
```

- Reference base component
- Define the render function
- Use Cat component and specify a value for name prop

Versions and Conventions

Open source projects evolve very quickly.

http://bit.ly/1RhGxSZ

package.json

```
import {React} from’react-native;

class TaskRow extends React.Component  {
  render() {
    return (<p>{this.props.text}</p>);
  }
}

export default TaskRow;
```

Using ES6 Classes

Used throughout this course

```
var TaskRow = (props) => {
  return <p>{props.text}</p>;
};

export default TaskRow;
```

Using Stateless Functional Components

Very elegant, but not used in this course

React Native

0.19.1

Xcode

7.2.1

Configure Atom with ESLint

Using linting results in less bugs and more consistent code - especially in teams.

Worth it? Yes!

```
npm i eslint babel-eslint eslint-config-airbnb eslint-plugin-react
```

Install These Packages in Your Project Folder