React Native 0.56

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› **The Basics**

Getting Started

EDIT

This page will help you install and build your first React Native app. If you already have React Native installed, you can skip ahead to the Tutorial.

| Quick Start | Building Projects with Native Code |

Follow these instructions if you need to build native code in your project. For example, if you are integrating React Native into an existing application, or if you "ejected" from Create React Native App, you'll need this section.

The instructions are a bit different depending on your development operating system, and whether you want to start developing for iOS or Android. If you want to develop for both iOS and Android, that's fine - you just have to pick one to start with, since the setup is a bit different.

Development OS: | macOS | | Windows | | Linux | Target OS: | iOS | | Android |

Installing dependencies

You will need Node, Watchman, the React Native command line interface, and Xcode.

While you can use any editor of your choice to develop your app, you will need to install Xcode in order to set up the necessary tooling to build your React Native app for iOS.

Node, Watchman

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```
brew install node
brew install watchman
```

If you have already installed Node on your system, make sure it is Node 8.3 or newer.

Watchman is a tool by Facebook for watching changes in the filesystem. It is highly recommended you install it for better performance.

The React Native CLI

Node comes with npm, which lets you install the React Native command line interface.

Run the following command in a Terminal:

```
npm install -g react-native-cli
```

> If you get an error like `Cannot find module 'npmlog'` , try installing npm directly:
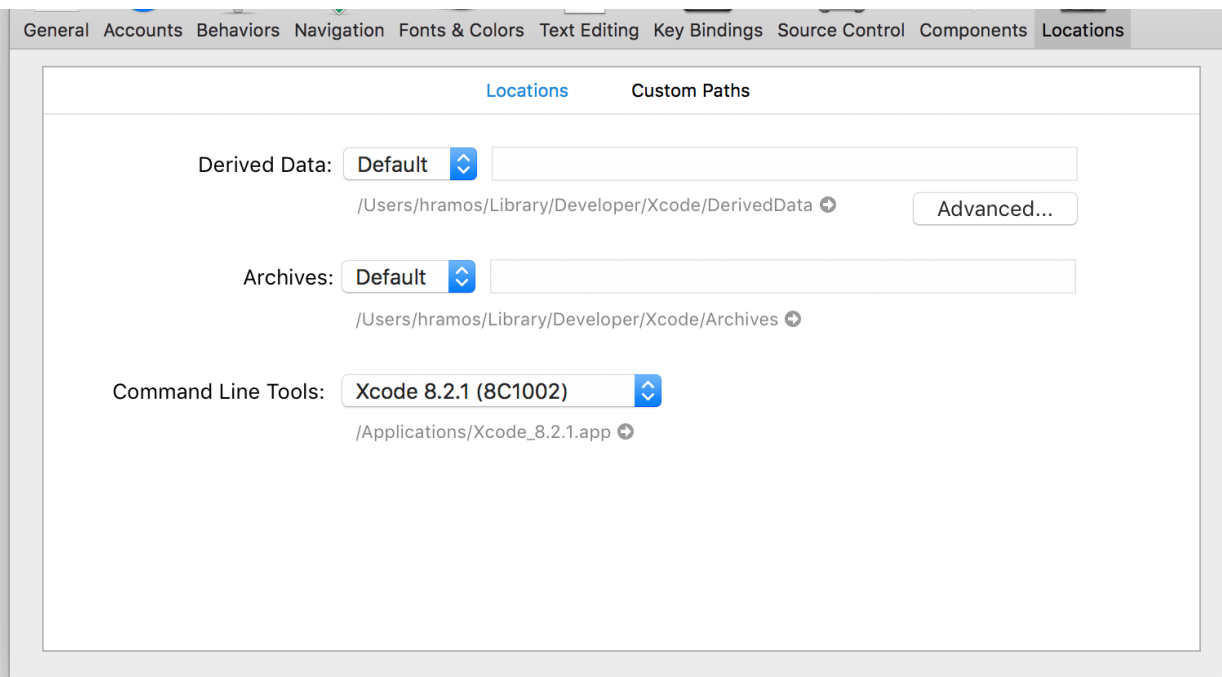> `curl -0 -L https://npmjs.org/install.sh | sudo sh` .

Xcode

The easiest way to install Xcode is via the Mac App Store. Installing Xcode will also install the iOS Simulator and all the necessary tools to build your iOS app.

If you have already installed Xcode on your system, make sure it is version 9.4 or newer.

Command Line Tools

You will also need to install the Xcode Command Line Tools. Open Xcode, then choose "Preferences..." from the Xcode menu. Go to the Locations panel and install the tools by selecting the most recent version in the Command Line Tools dropdown.

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Creating a new application

Use the React Native command line interface to generate a new React Native project called "AwesomeProject":

```
react-native init AwesomeProject
```

This is not necessary if you are integrating React Native into an existing application, if you "ejected" from Create React Native App, or if you're adding iOS support to an existing React Native project (see Platform Specific Code).

Running your React Native application

Run `react-native run-ios` inside your React Native project folder:

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You should see your new app running in the iOS Simulator shortly.

`react-native run-ios` is just one way to run your app. You can also run it directly from within Xcode or Nuclide.

> If you can't get this to work, see the Troubleshooting page.

Running on a device

The above command will automatically run your app on the iOS Simulator by default. If you want to run the app on an actual physical iOS device, please follow the instructions here.

Modifying your app

- Hit ⌘R in your iOS Simulator to reload the app and see your changes!

That's it!

Congratulations! You've successfully run and modified your first React Native app.

Now what?

- Turn on Live Reload in the Developer Menu. Your app will now reload automatically whenever you save any changes!

- If you want to add this new React Native code to an existing application, check out the Integration guide.

If you're curious to learn more about React Native, continue on to the Tutorial.

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