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Setup environment React Native for MacOS M1

[#macbookm1](#) [#m1](#) [#macos](#) [#reactnative](#)

MacOs with chip M1 has different setup for environment React Native, some people got error and didn't got any solution. In this article I will share to you how to setup React Native on MacOS M1

1. Install Brew

Open your terminal and copy this

```
/bin/bash -c "$(curl -fsSL  
https://raw.githubusercontent.com/Homebrew/install/HEAD/install.sh)"
```

If install finish, **copy on the red line first** and press enter then **copy on the blue line** and press enter

```
charis — -zsh — 80x24
5ed2e8642..633202dac master -> origin/master
* [new tag] 3.3.10 -> 3.3.10
HEAD is now at 633202dac Merge pull request #12704 from Homebrew/dependabot/bundler/Library/Homebrew/rainbow-3.1.1
Updated 1 tap (homebrew/core).
==> Installation successful!

==> Homebrew has enabled anonymous aggregate formulae and cask analytics.
Read the analytics documentation (and how to opt-out) here:
  https://docs.brew.sh/Analytics
No analytics data has been sent yet (nor will any be during this install run).

==> Homebrew is run entirely by unpaid volunteers. Please consider donating:
  https://github.com/Homebrew/brew#donations

==> Next steps:
- Run these two commands in your terminal to add Homebrew to your PATH:
  echo 'eval "$(/opt/homebrew/bin/brew shellenv)"' >> /Users/charis/.zprofile
  eval "$(/opt/homebrew/bin/brew shellenv)"
- Run brew help to get started
- Further documentation:
  https://docs.brew.sh

charis@charismas-MacBook-Pro ~ %
```

Check brew version by

```
brew --version
```

If you can see brew version, it's mean brew already installed on your mac

2. Install Node

Back to terminal, and type this

```
brew install node
```

Check your node version by

```
node --version
```

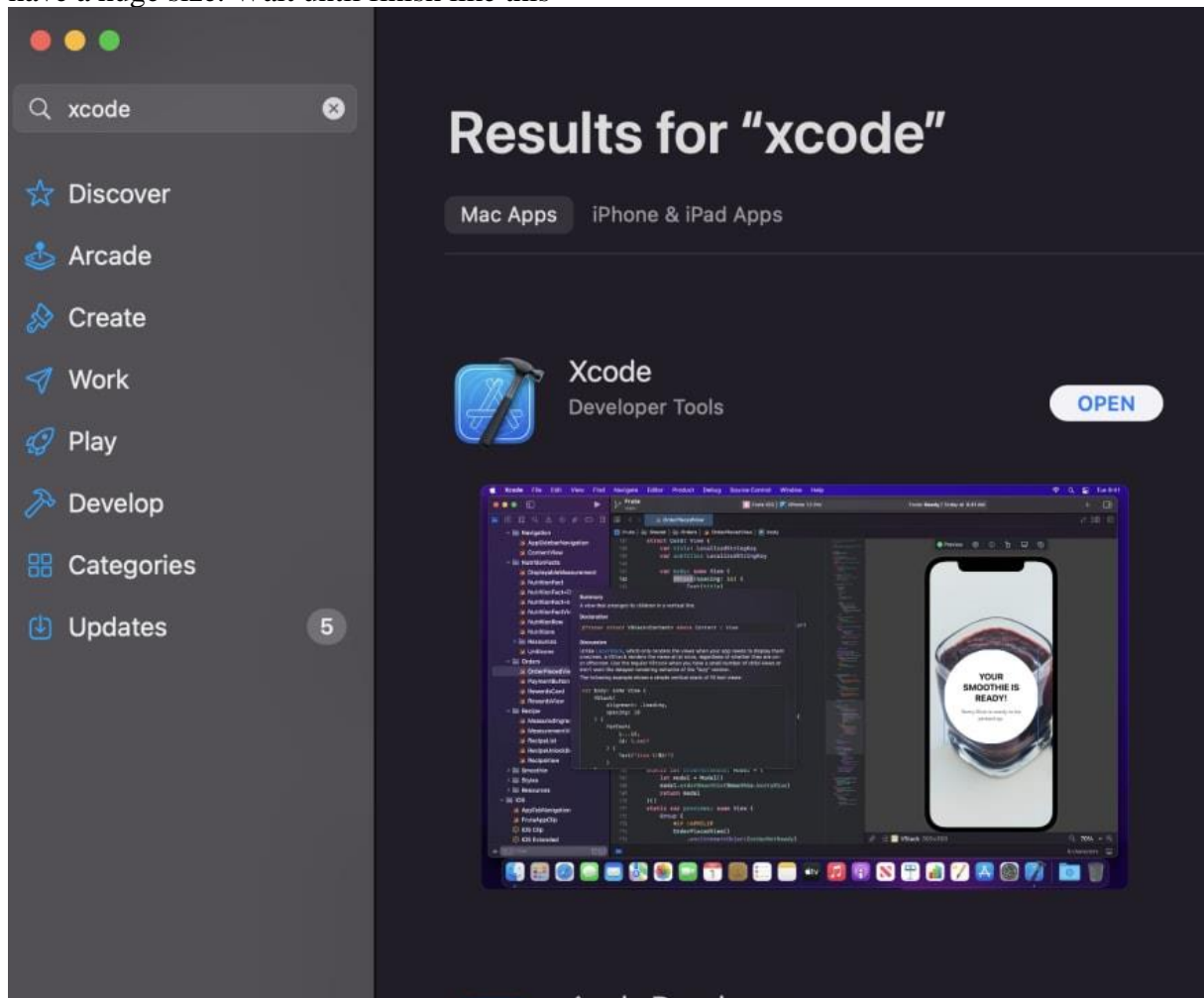
3. Install Watchman

Now we need to install watchman

```
brew install watchman
```

4. Install Xcode

Go to AppStore and install Xcode. It's take a bit long time for installation because Xcode have a huge size. Wait until finish like this



After you open Xcode it will show alert ask to install Rosetta. I'm not sure we actually need it. Let's press **NOT NOW** and we install as soon as we need.

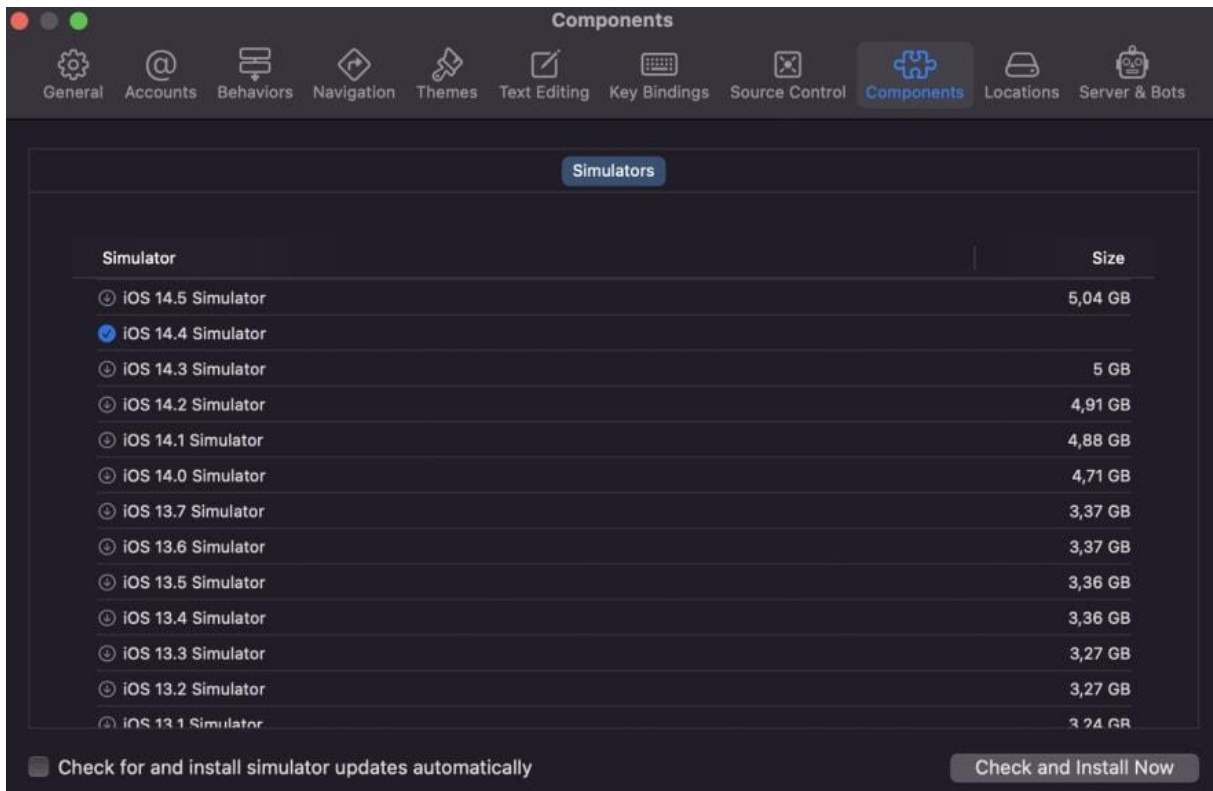
Now we open the Xcode and we go to preferences. You can see on this picture



Go to *locations* path and *click command line tools* let's select *Xcode version*

5. Set iOS simulator

Now we need to install emulator or simulator by click **Components** and choose emulator what we want. It also take a bit long time because size a quite big. If installation was finish, it will look like this. Let's pick for iPhone 12 or 13



6. Install Ruby

Install ruby by Open Terminal and copy this

```
brew install ruby
```

7. Install cocoapods

install cocoapods by specify folders where we need to install, this is very important. So I would like to be

```
sudo gem install -n /usr/local/bin ffi cocoapods
```

now we can see our pod version by type this on terminal

```
pod --version
```

Installation was finish. Now we can create new React Native project by type
npx react-native init ExampleYourProject

(Add On) 8. If you still got error, follow this section. If not, you don't need to follow this

if you still got error, trying use this

```
sudo arch -arch x86_64 gem install cocoapods
```

then copy this

```
sudo arch -arch x86_64 gem install ffi
```

then it's possible to run it to your ios folder by going to your project and cd/ios and type this

```
arch -arch x86_64 pod install
```

Yey congratulations now you are already finish all React Native setup environment.

If you have any question, feel free to ask me on

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