

REACT-NATIVE

P2. SETUP



INSTALLATION (WINDOWS)

Go to link

<https://facebook.github.io/react-native/docs/getting-started.html>

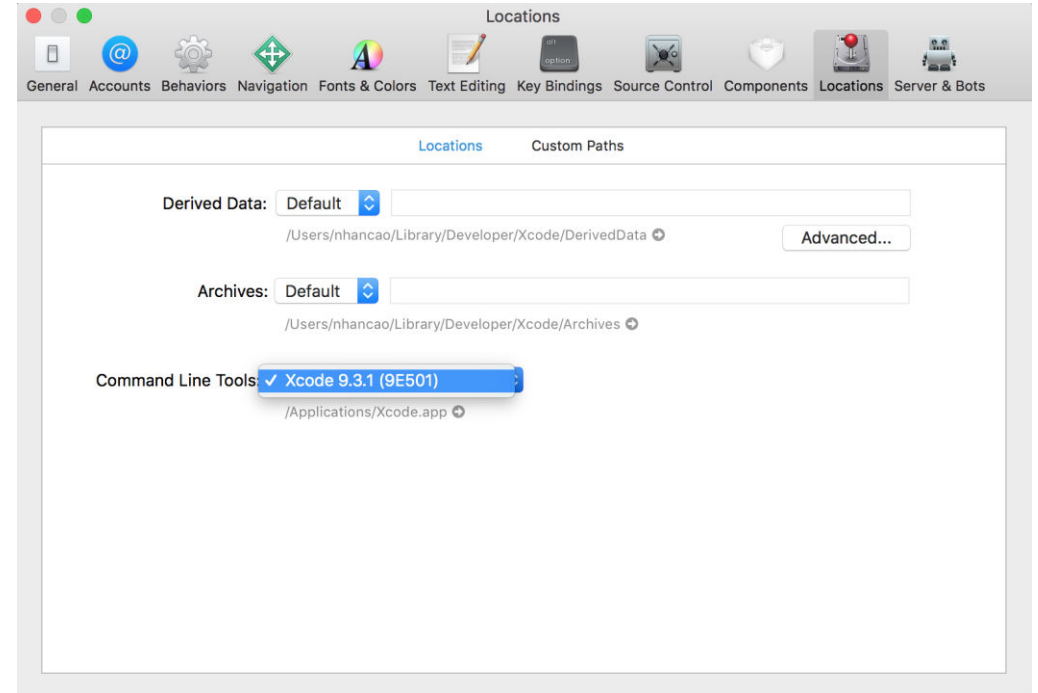
Select "Building Projects with Native Code" > "Windows"

Install react native template generate tool:

```
npm install -g beesight
```

INSTALLATION (MAC)

- Xcode
 - [Download Xcode](#)
 - `xcode-select --install`
 - ensure Command Line Tools has been config
- Homebrew
 - <https://brew.sh/>
 - `/usr/bin/ruby -e "$(curl -fsSL https://raw.githubusercontent.com/Homebrew/install/master/install)"`
- Cocoapod
 - `brew install cocoapods`



INSTALLATION (MAC)

- **Android studio**

- Download

- Android SDK (23.0.1)

- Android SDK Platform

- Google APIs

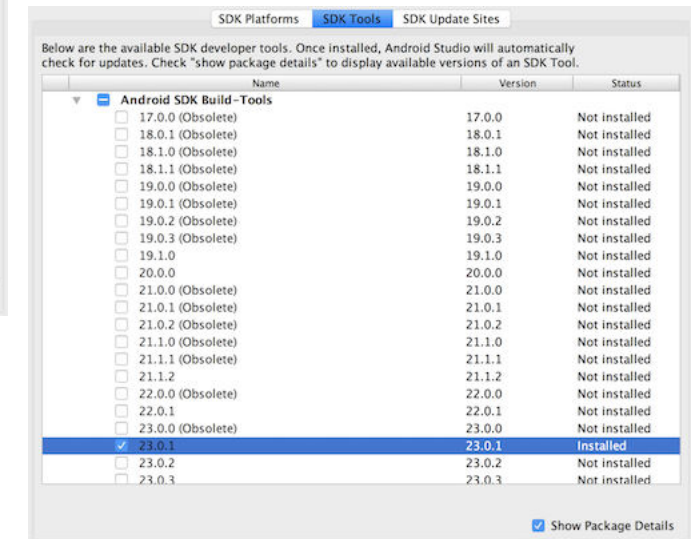
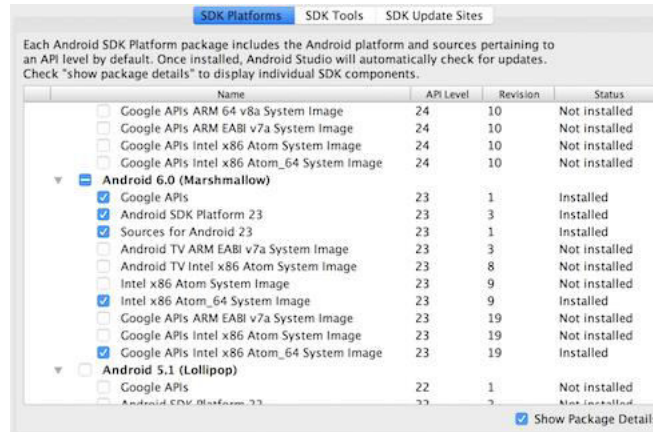
- Android SDK Platform 23

- Intel x86 Atom_64 System Image

- Google APIs Intel x86 Atom_64 System Image

- Performance (Intel ® HAXM)

- Android Virtual Device



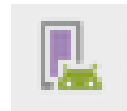
INSTALLATION (MAC)

- Configure the **ANDROID_HOME** environment variable
 - Add the following lines to your `$HOME/.bash_profile` config file:

```
export ANDROID_HOME=$HOME/Library/Android/sdk
export PATH=$PATH:$ANDROID_HOME/tools
export PATH=$PATH:$ANDROID_HOME/tools/bin
export PATH=$PATH:$ANDROID_HOME/platform-tools
```

- Type `source $HOME/.bash_profile` to load the config into your current shell

- **Preparing the Android device**



INSTALLATION (MAC)

- **Node**, watchman
 - brew install node
 - brew install watchman
- **RCT cli**
 - npm install -g react-native-cli
 - npm install -g beesight
- **RCT tool**
 - brew install imagemagick
 - npm install -g app-icon

VERIFY INSTALLATION (MAC)

```
xcodebuild -version
git --version
brew --version
pod --version
adb --version
emulator -list-avds
node --version
watchman --version
react-native --version
app-icon --version
beesight v
```

```
→ ~ xcodebuild -version
git --version
brew --version
pod --version
adb --version
emulator -list-avds
node --version
watchman --version
react-native --version
app-icon --version

Xcode 9.3.1
Build version 9E501
git version 2.15.1 (Apple Git-101)
Homebrew 1.6.3
Homebrew/homebrew-core (git revision 397e; last commit 2018-05-09)
1.5.0
Android Debug Bridge version 1.0.39
Version 0.0.1-4500957
Installed as /usr/local/bin/adb
Nexus_5X_API_24
v9.10.1
4.9.0
react-native-cli: 2.0.1
react-native: n/a - not inside a React Native project directory
0.6.2
→ ~
```

```
→ ~ beesight v
[OK] 2018-05-21T08:31:59.593Z +1.53s beesight: v1.3.7
→ ~
```

NEW RCT PROJECT

- Run command below

beesight rct

```
-
|_| _ _ _ _ _ (-) _ _ _ -
|'|_ \ / _ \ / _ \ | | / _ \ '|_ \ |_| | | | | | |
|_|_) | |__/_ \ __/_ \ | | (|_|_|_|_|_|_|
|_|._./ \___| \___| |___/ |_| \_, | |_|_| \___|
                                     |___/

[OK]      2018-05-21T08:35:55.633Z +1.53s beesight: v1.3.7

→ ~ ls

Applications    Downloads    Movies        Public
Desktop         Dropbox     Music          SkypeDownloadFiles
Documents       Library     Pictures       VirtualBox VMS

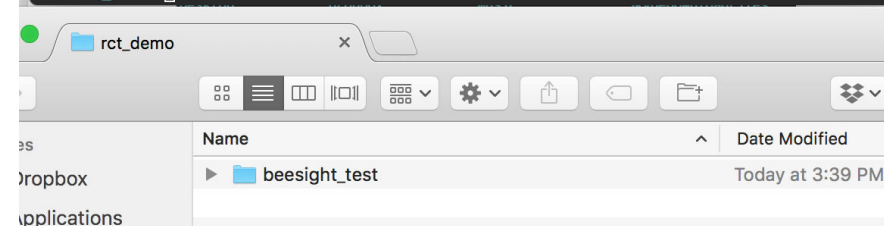
→ ~ t="Desktop/rct_demo" && mkdir $t && cd $t
→ rct_demo beesight rct
```

```
[LOG] 2018-05-21T08:39:03.387Z +1.53s React native project template.
Cloning into 'bss-rct-template'...
Enter folder name: beesight_test
Enter app name: BSSTest
Enter app id: (com.beesightsoft.rct) 
```

```

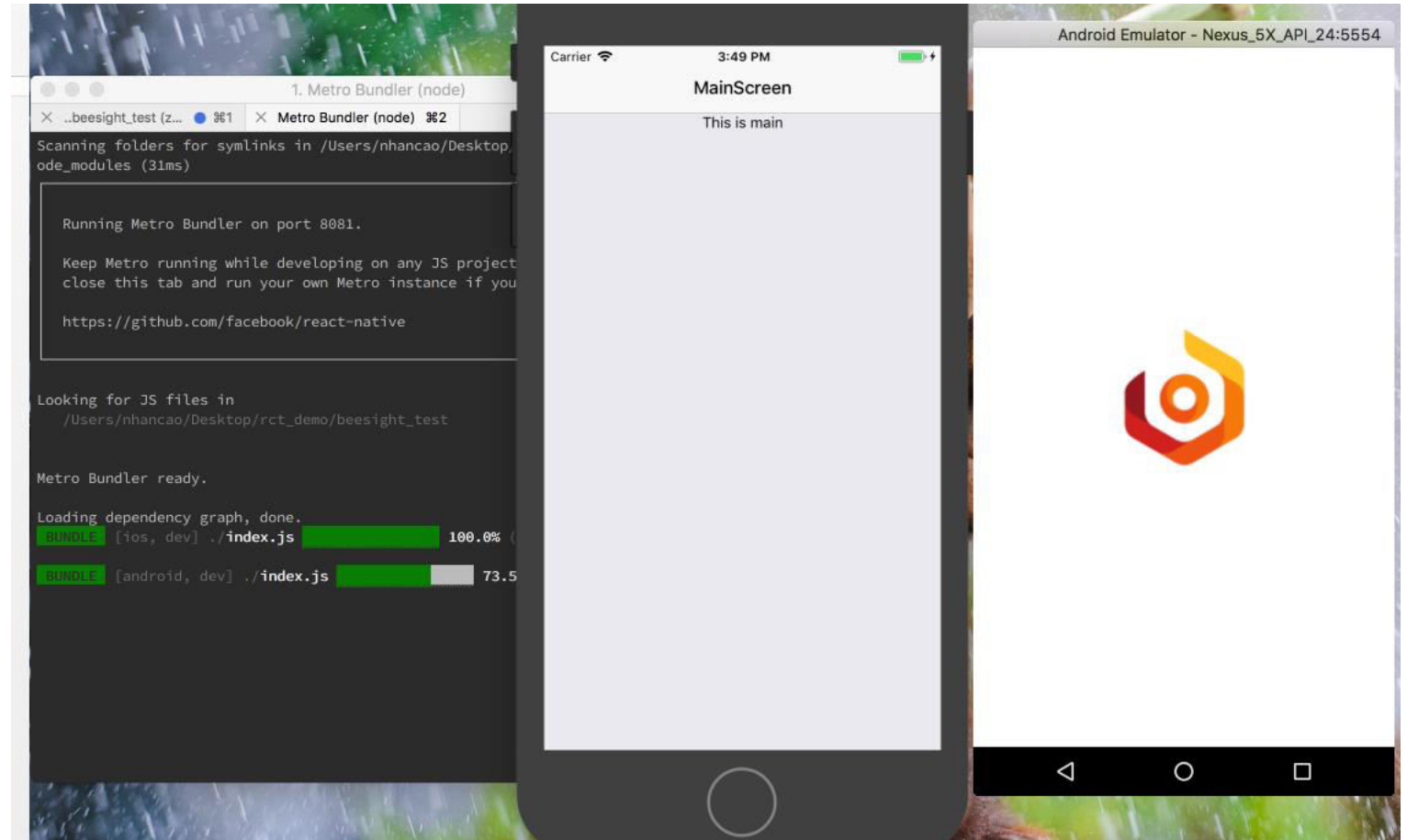
rename ios/{BeeSightSoftRCT => BSSTest}/Info.plist (98%)
rename ios/{BeeSightSoftRCT => BSSTest}/main.m (100%)
rename ios/{BeeSightSoftRCTTests/BeeSightSoftRCTTests.m => BSSTestTests/BSSTest
Tests.m} (96%)
rename ios/{BeeSightSoftRCTTests => BSSTestTests}/Info.plist (100%)
[OK]    2018-05-21T08:39:39.125Z +0.23s Finish install.
[LOG]   2018-05-21T08:39:39.125Z +0.00s ==> Next step
- cd to 'beesight_test' folder
- Install dependencies by command 'npm i'
- Build and run android 'react-native run-android'
- Build and run ios 'cd ios; pod install; cd ../; react-native run-ios'
➔ rct_demo

```



NEW RCT PROJECT

- `cd beesight_test`
- Install dependencies by command `'npm i'`
- Start android emulator `'beesight avd'`
- Build and run android `'react-native run-android'`
- Build and run ios `'cd ios; pod install; cd ../; react-native run-ios'`



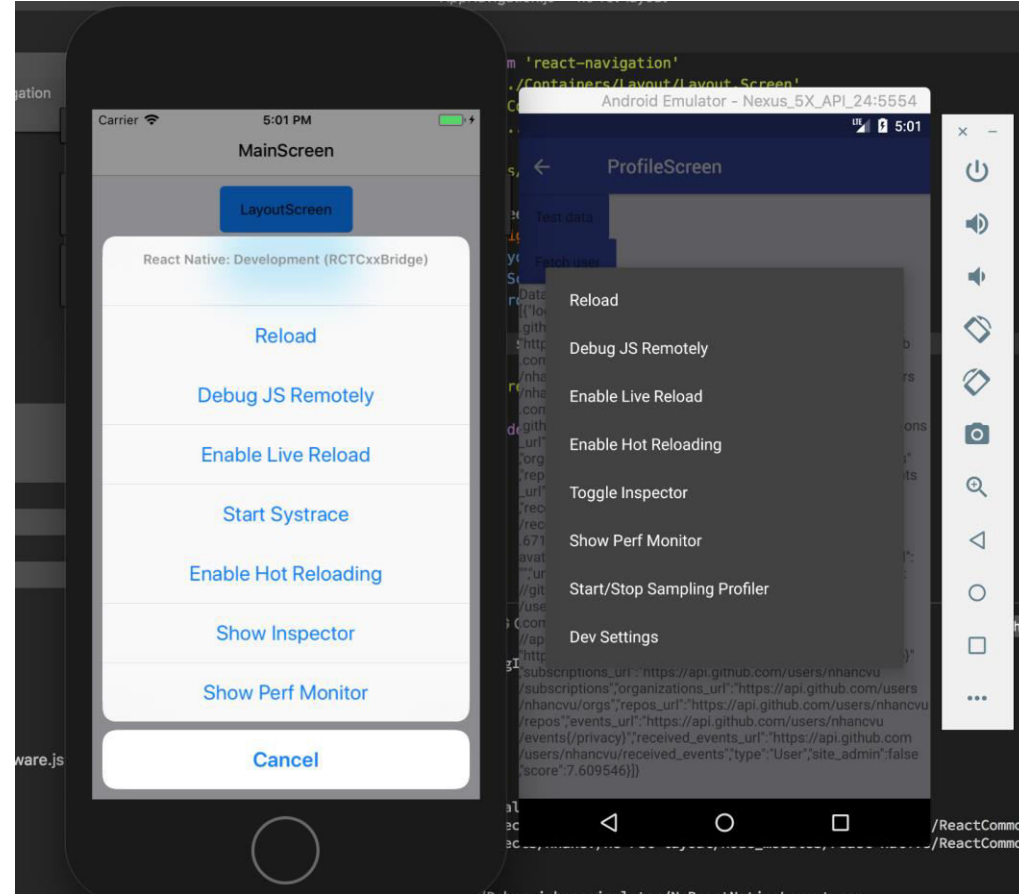
NEW RCT PROJECT

Open development popup

- Focus emulator
- With iOS: Cmd + D
- With Android: Cmd + M

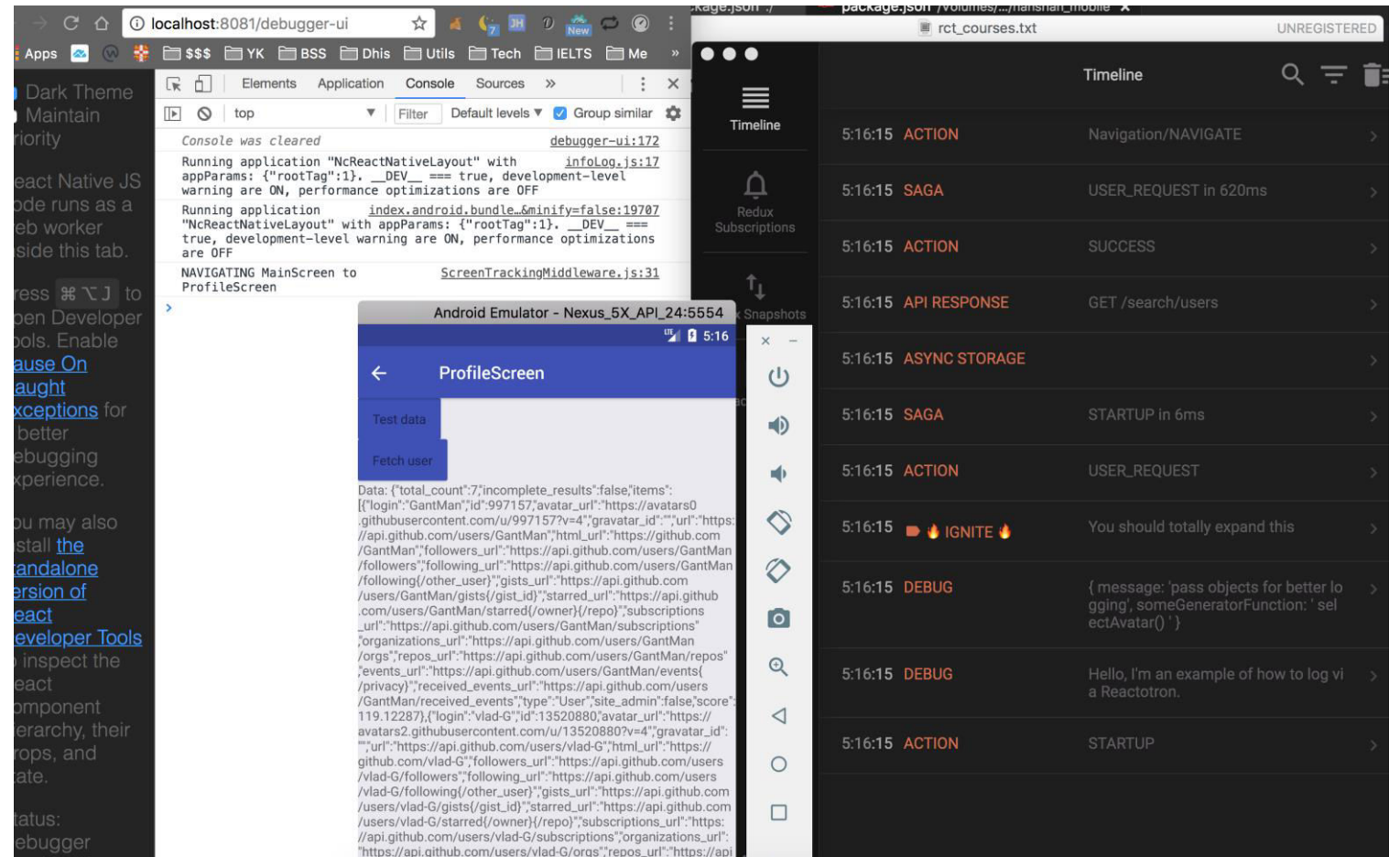
Reload shortcut key

- With iOS: Cmd + R
- With Android: R + R



DEBUGGER

- Default debugger: Open dev popup select “Debug JS Remotely”
- Using [Reactotron](#) (work on emulator)
- Debugger tool:
\$ brew update && brew cask install react-native-debugger



REFERENCES

- <https://facebook.github.io/react-native/>
- <https://github.com/dwmkerr/app-icon>
- <https://beesightsoft.github.io/beesight/>

THANK YOU.