



**Metmoi**



**TimiStudio**

This page will help you install and build your React Native app.

## **1. System Requirements :**

1. **NodeJS** : Make sure you have a recent version ( [12 LTS](#) or or greater installed )
2. **Yarn** : Please follow [yarn official](#) install guide.

Before installing below command make sure you have installed nodejs and npm, CLI will install command:

```
$ npm install -g expo-cli
```

or

```
$ yarn global add expo-cli
```

## **2. Run Your App :**

```
1. cd demoReactNativeApp
```

```
2. $ yarn or $ expo install
```

## **Running in the Browser**

```
$ expo start then press w (tips*)
```

### **Tips :**

- Add web dependencies:  

```
$ expo install react-native-web react-dom
```
- Startup faster in web-only mode by running 

```
$ expo web
```

- Test protected APIs like Camera and Sharing by using the --https or --no-https flags.

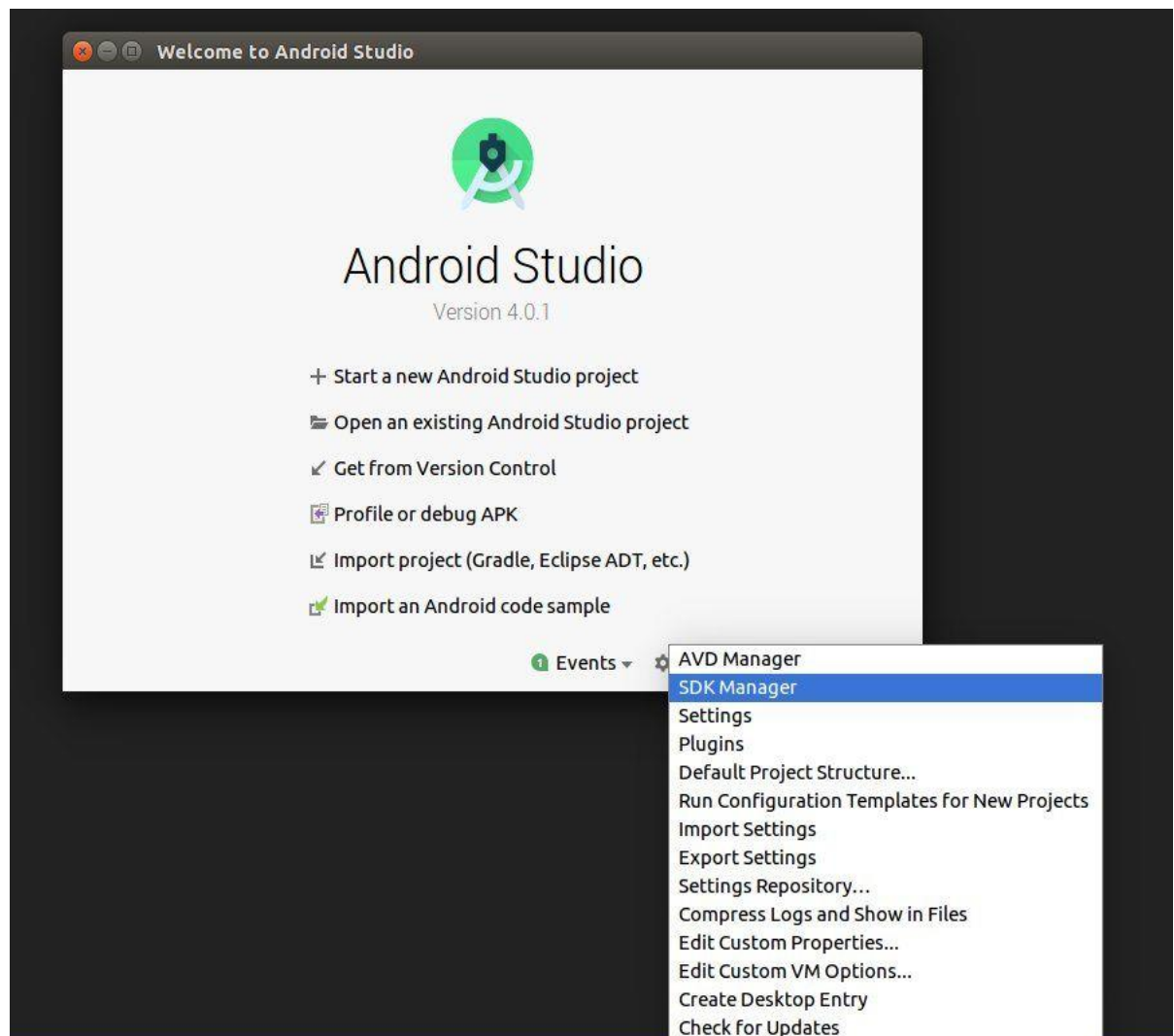
## Running in the app

### 1. [Run the app on Android emulator](#):

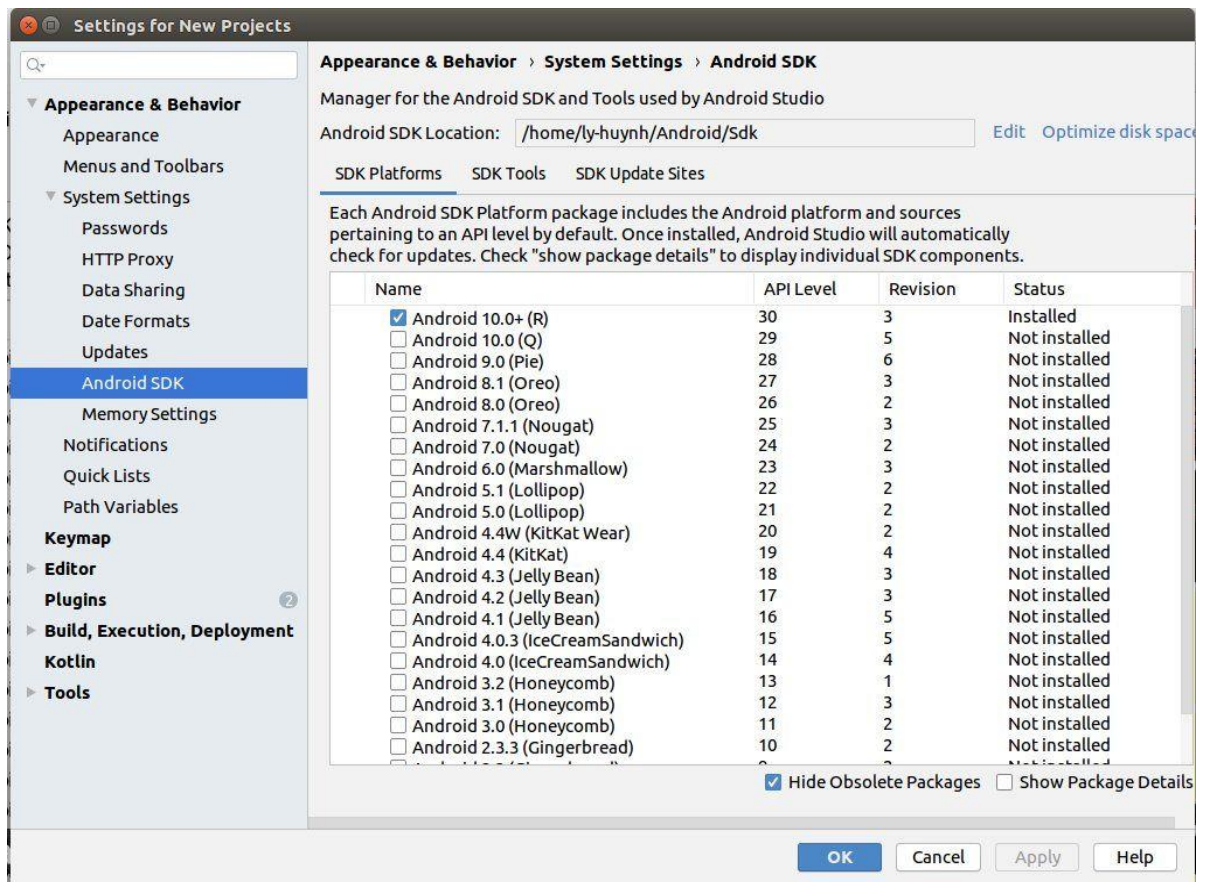
To run a mobile application to test we can use a fake application or a real machine to run the application. In this part, I will introduce how to install and run the application on Android emulator

First, you install the [Android Studio](#) application. Android Studio will support us the SDK as well as the Emulator for us.

After the installation is complete, we go to the SDK manager:

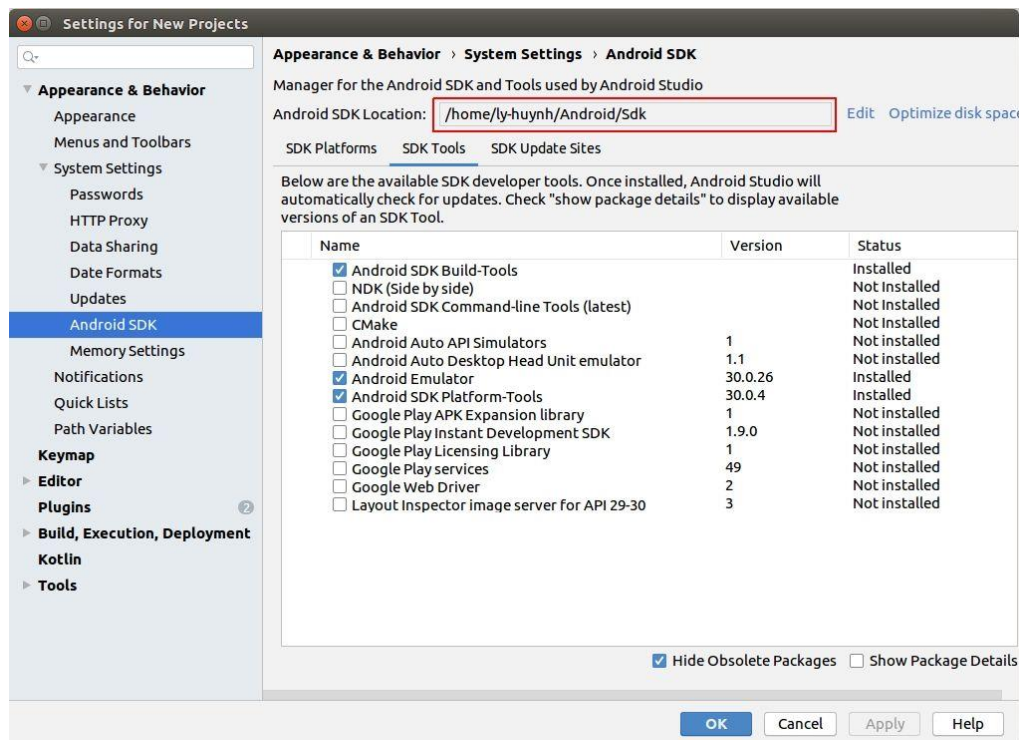


SDK management interface will look like this:

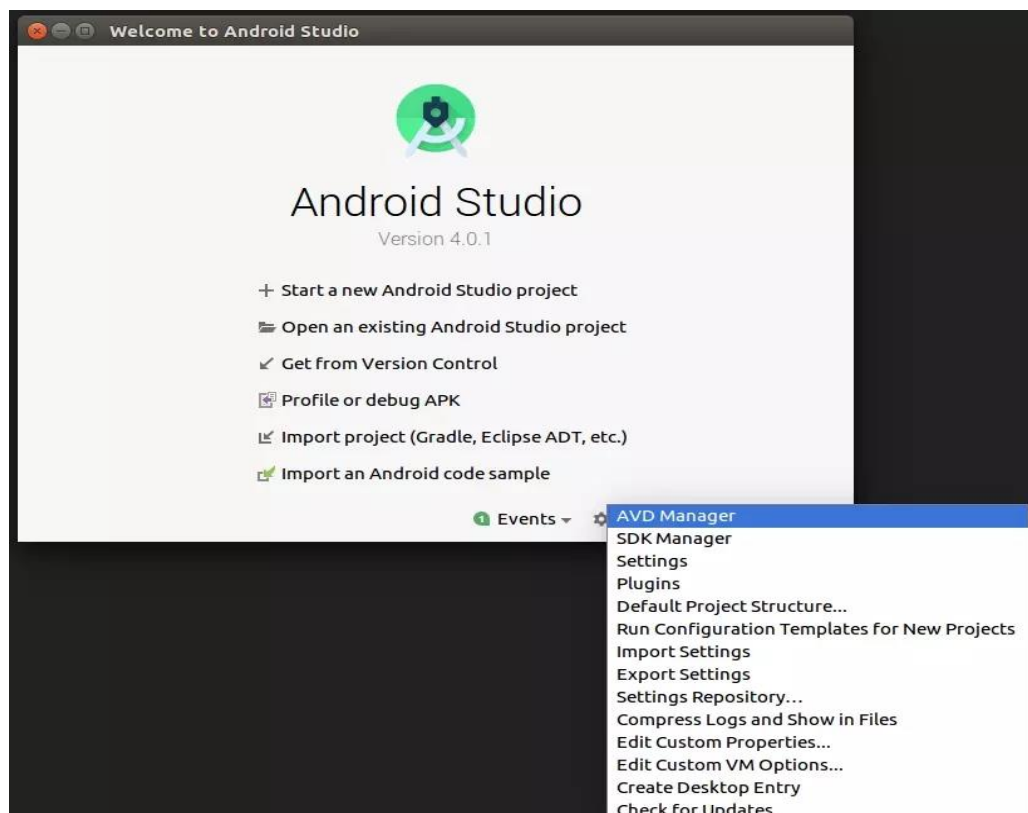


In the SDK Platforms tab there will be the stable version of Android that we have installed. Next to the SDK Tools tab, there will be tools so that we can run the application

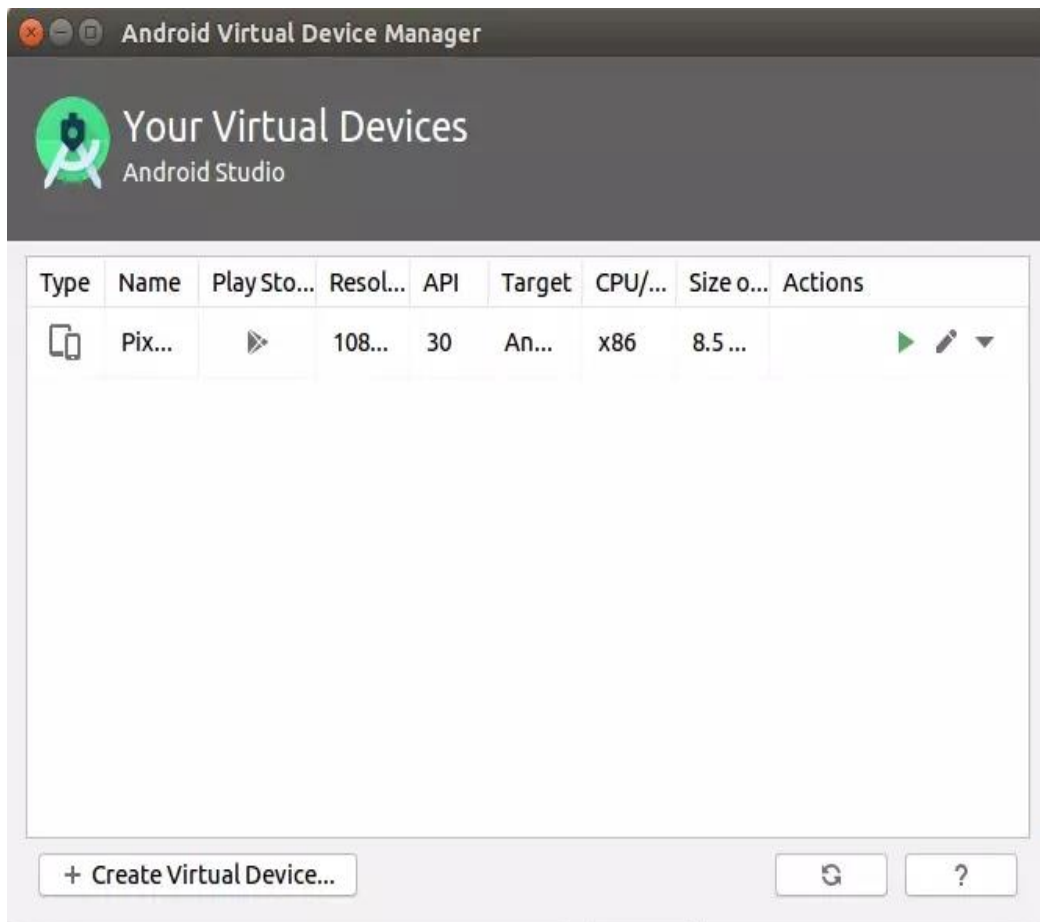
Then you copy the Android Location path:



Next, we will install the virtual machine to run the application:



We choose AVD Manager:



Here will be the virtual machines that we have installed, you can install the new virtual machine by clicking Create Virtual Device and install the virtual machine you want.

Then you check adb to see if it is installed or not and check if there can be multiple versions on your computer :

```
$ adb version
```

From the android SDK platform-tool folder :

```
$ cd ~/Android/sdk/platform-tools  
./adb version
```

Then copy android/Sdk/platform-tools/adb to /usr/bin directory :

```
$ sudo cp ~/Android/Sdk/platform-tools/adb /usr/bin
```

After the preparation steps are complete, we will run the virtual machine we installed on. In the web interface we choose Run on Android device/emulator or in Terminal we type `a`. Then check the virtual machine again, the application will be installed and run on it

## 2. [Run the app on ios emulator](#)

Install :

- **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 10 or newer.

- **Node modules** : run command inside project folder :

```
$ npm or yarn
```

- **Run App** :

```
$ expo start or yarn start then press i (tip*)
```

Tips :

- Startup faster in ios-only mode by running `$ yarn ios`

## 3. [Run the app on a real machine](#)

You notice, when running server expo start, there will be a QR code.

To run the Expo application test on a real machine you will have to install the Expo application. Then just open the Expo application and scan the QR Code and you can test

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Thank you!