

# react-native linux 开发环境配置

chris

May 30, 2016

## Contents

<b>1</b>	<b>oracle JDK 安装</b>	<b>1</b>
1.1	下载oracle JDK, 解压到 <code>=/usr/lib/jvm=</code> . . . . .	1
1.2	修改 <code>.bashrc</code> . . . . .	1
1.3	如果之前安装过openJDK, 要替换一下 . . . . .	1
<b>2</b>	<b>android JDK 安装 (翻 lantern 墙环境)</b>	<b>2</b>
<b>3</b>	<b>安装node,npm,watchman,flow</b>	<b>3</b>
<b>4</b>	<b>安装React Native</b>	<b>3</b>
4.1	连接android手机 . . . . .	3
<b>5</b>	<b>运行测试程序AwesomeProject</b>	<b>4</b>

## 1 oracle JDK 安装

### 1.1 下载oracle JDK, 解压到 `=/usr/lib/jvm=`

```
sudo mkdir /usr/lib/jvm
tar zxvf ./jdk-8u92-linux-x64.tar.gz -C /usr/lib/jvm
```

### 1.2 修改 `.bashrc`

```
export ANDROID_HOME='/usr/lib/android-sdk'
export JAVA_HOME='/usr/lib/jvm/jdk1.8.0_92'
export JRE_HOME=${JAVA_HOME}/jre
export CLASSPATH=.:${JAVA_HOME}/lib:${JRE_HOME}/lib
```

```
export PATH=${JAVA_HOME}/bin:$PATH
```

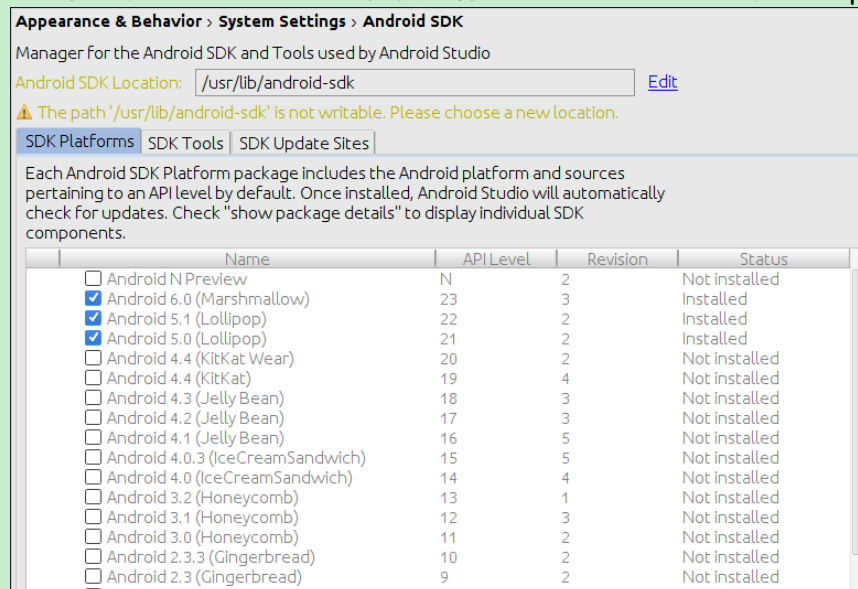
### 1.3 如果之前安装过openJDK, 要替换一下

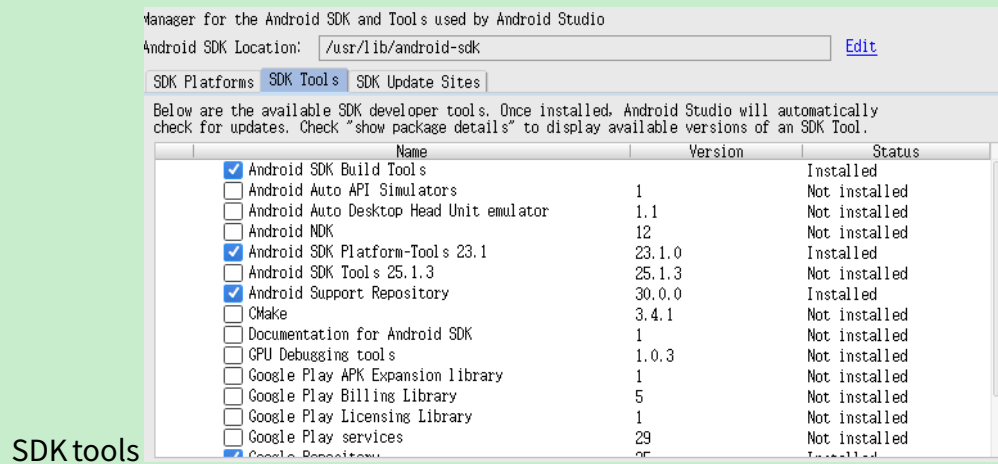
```
sudo update-alternatives --install /usr/bin/java java /usr/lib/
jvm/jdk-7/bin/java 300
sudo update-alternatives --install /usr/bin/javac javac /usr/
lib/jvm/jdk-7/bin/javac 300
sudo update-alternatives --config java
```

选择oracle jdk即可

## 2 android JDK 安装 (翻 lantern 墙环境)

ubuntu 16.04下apt-get源有android-sdk,但不全,我选择了用android studio来安装 android sdk. 下载运行android-studio. 安装SDK platform





注意: 如果你像我一样使用 系统路径 /usr/lib/android-sdk, 运行 android-studio的时候要sudo

### 3 安装node,npm,watchman,flow

```
sudo apt-get install -y nodejs
sudo ln -s /usr/bin/nodejs /usr/bin/node

sudo apt-get install -y automake python-dev
git clone https://github.com/facebook/watchman.git
cd watchman
git checkout v4.5.0 # the latest stable release
./autogen.sh
./configure
make
sudo make install

sudo npm install -g flow-bin
```

### 4 安装React Native

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

## 4.1 连接android手机

```
chris2@W530-chris:~$ lsusb
Bus 002 Device 002: ID 8087:0024 Intel Corp. Integrated Rate Matching Hub
Bus 002 Device 001: ID 1d6b:0002 Linux Foundation 2.0 root hub
Bus 001 Device 004: ID 04f2:b2ea Chicony Electronics Co., Ltd Integrated Camera [ThinkPad]
Bus 001 Device 003: ID 147e:2020 Upek TouchChip Fingerprint Coprocessor (WBF advanced mode)
Bus 001 Device 005: ID 04e8:6860 Samsung Electronics Co., Ltd Galaxy (MTP)
Bus 001 Device 002: ID 8087:0024 Intel Corp. Integrated Rate Matching Hub
Bus 001 Device 001: ID 1d6b:0002 Linux Foundation 2.0 root hub
Bus 004 Device 001: ID 1d6b:0003 Linux Foundation 3.0 root hub
Bus 003 Device 002: ID 17ef:6050 Lenovo
Bus 003 Device 001: ID 1d6b:0002 Linux Foundation 2.0 root hub
```

我的三星手机记下ID: 04e8:6860

```
echo SUBSYSTEM=="usb", ATTR{idVendor}=="04e8", MODE="6860", GROUP="plugdev" | sudo tee /
etc/udev/rules.d/51-android-usb.rules
```

确认设备连上

```
chris2@W530-chris:~$ adb devices
List of devices attached
940497a2    device
```

## 5 运行测试程序AwesomeProject

```
react-native init AwesomeProject
cd AwesomeProject
react-native run-android
```

在电脑上运行

```
cd AwesomeProject
react-native start
```

之后在手机上打开AwesomeProject运行截图如下