# React-Native手册

## 搭建开发环境

1)安装choco

@powershell -NoProfile -ExecutionPolicy Bypass -Command "iex ((New-Object System.Net.WebClient).DownloadString('https://chocolatey.org/install.ps1'))" && SET "PATH=%PATH%;%ALLUSERSPROFILE%\chocolatey\bin"

2)安装相关引用插件

>choco install nodejs.install

>choco install python2

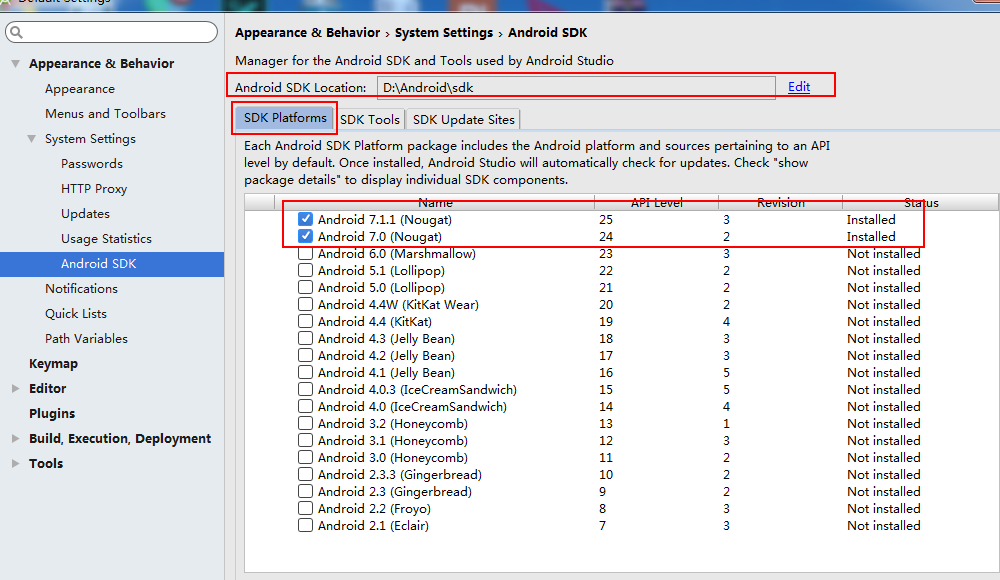
>choco install jdk8

3)安装React-Native Cli

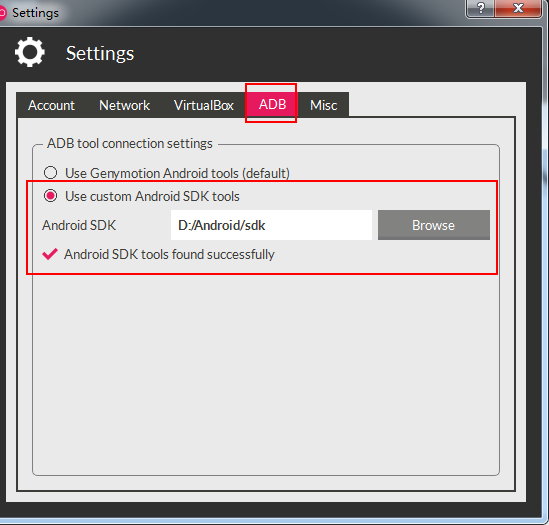
>npm install –g react-native-cli

4)安装Android Studio

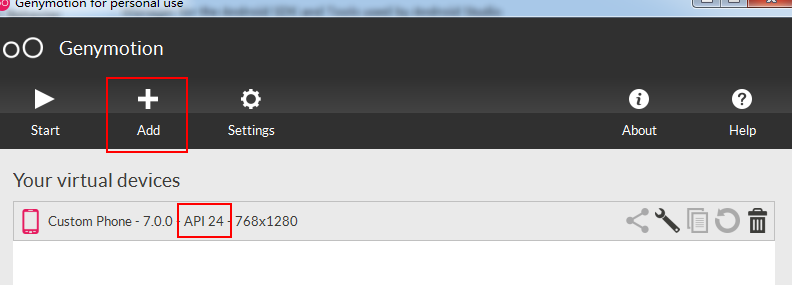
选择安装SDK Android 7.0(API 24) 亲测，其余版本无法运行在Genymotion中



5)安装Genyrmotion并配置sdk位置



6)创建一个API24的虚拟设备



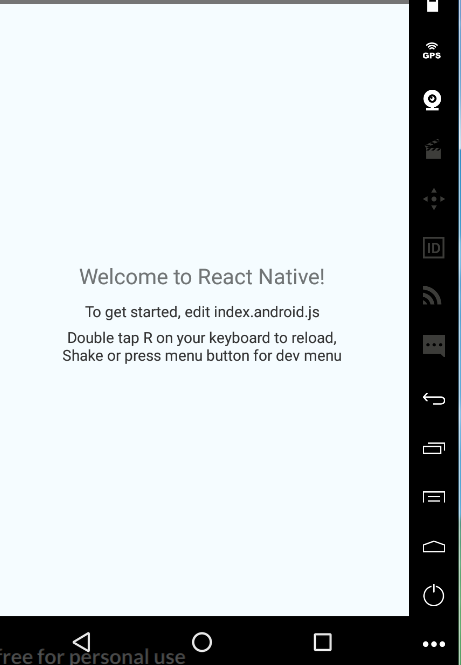
7)初始化react-native app

>react-native init (项目名称)

8)运行项目

>react-native run-android

看到此界面说明，react-native 开发环境 搭建成功



## Android真机调试

设置真机过程会碰到以下几点问题

1. adb端口可能被占用

>adb start-server 提示端口被占用时，解决方法重定义adb的端口

环境变量设置

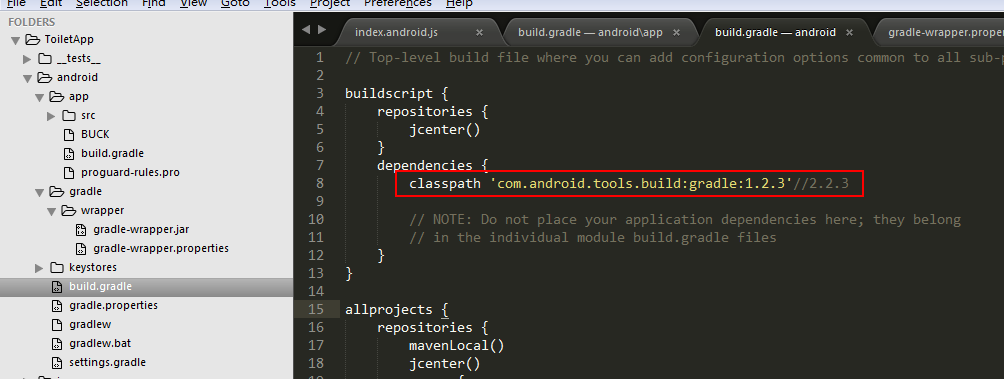
ANDROID\_ADB\_SERVER\_PORT

5038（任意，最好是偏门的）

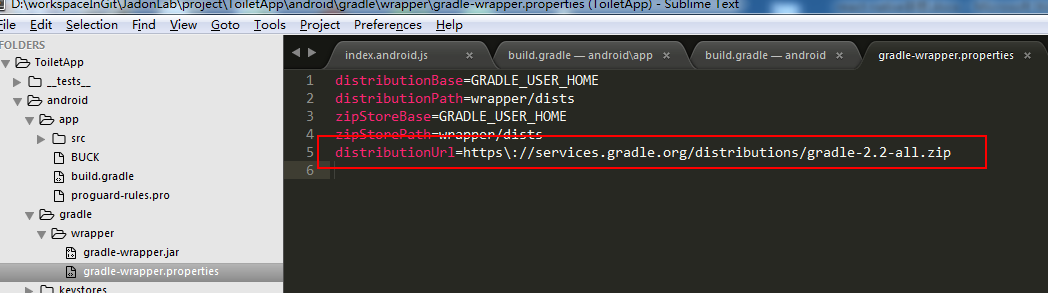


1. 启动android调试提示安装apk不成功

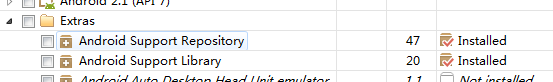
>react-native run-android 提示报错，解决方法修改grandle相关配置

1) 设置build.gradle

2)设置gradle-wrapper



3)sdk必须安装



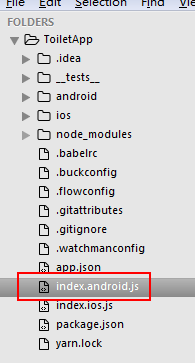
4)小米手机要关闭MIUI优化

5)调试时遇到白屏情况

设置显示悬浮窗<拒绝>

## Hello World

以安装为例，首页文件为 index.android.js



import React, { Component } from 'react';

import {

AppRegistry,

StyleSheet,

Text,

View

} from 'react-native';

export default class ToiletApp extends Component {

render() {

return (

<View style={styles.container}>

<Text style={styles.welcome}>

HelloWorld!!!

</Text>

<Text style={styles.instructions}>

To get started, edit index.android.js

</Text>

<Text style={styles.instructions}>

Double tap R on your keyboard to reload,{'\n'}

Shake or press menu button for dev menu

</Text>

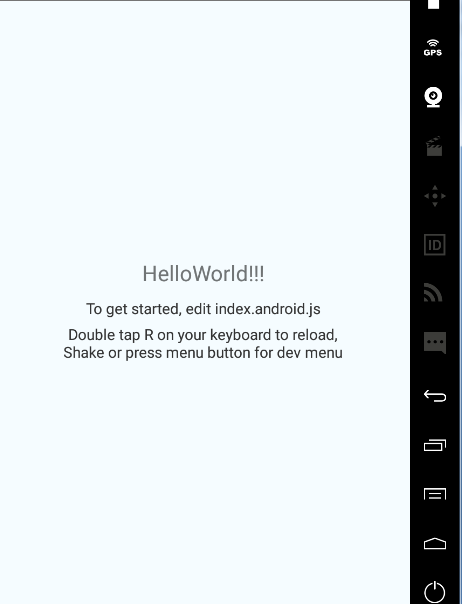
</View>

);

}

}

以上修改了黄色部分代码，点续按两次R，即时刷新修改后



## React Navigation

官方推荐使用跨平台的Navigation

详细说明 ： https://reactnavigation.org

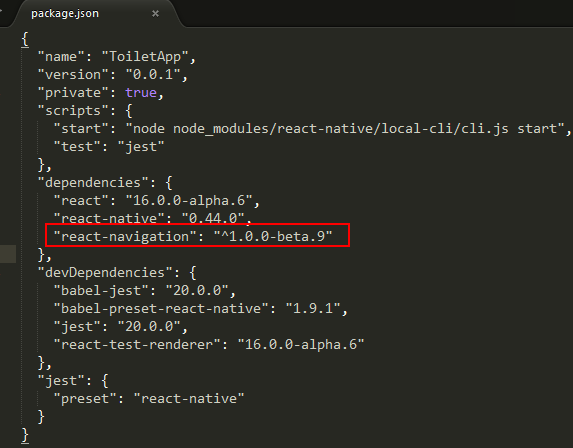
使用：

>npm install react-navigation --save

或者全局

>npm install react-navigation –g(需要配置依赖)

Package.json 配置依赖包



引包：

import { TabNavigator } from 'react-navigation';

**index.android.js**

import React, { Component } from 'react';

import { AppRegistry } from 'react-native';

import { TabNavigator } from 'react-navigation';

import ContentView from './react/view/contentView';

import ToiletView from './react/view/toiletView';

const ToiletApp = TabNavigator({

ContentView: {

screen: ContentView,

},

ToiletView: {

screen: ToiletView,

},

}, {

tabBarOptions: {

activeTintColor: '#e91e63',

},

},{

tabBarPosition : 'bottom' //显示在底部，但暂时android6.0设置了还是在顶部

});

AppRegistry.registerComponent('ToiletApp', () => ToiletApp); //一般情况下，整个应用只设置一次

**toiletView.js**

import React, { Component } from 'react';

import {

AppRegistry,

Text

} from 'react-native';

class ToiletView extends Component{

constructor(props) {

super(props);

this.state = {};

}

static navigationOptions = {

tabBarLabel: '厕所'

};

render(){

return (

<Text>ToiletView</Text>

);

}

}

module.exports = ToiletView;

**contentView.js**

import React, { Component } from 'react';

import {

AppRegistry,

Text

} from 'react-native';

class ContentView extends Component{

constructor(props) {

super(props);

this.state = {};

}

static navigationOptions = {

tabBarLabel: '发现'

};

render(){

return (

<Text>ContentView</Text>

);

}

}

module.exports = ContentView;

## 关于import {} 和 import 类名

import React, { Component } from 'react';

React为类

Component 为 react.js 中的对象名

一般自定的组件引用必须为

import 类名 from '相对路径';

## React-native 百度地图