使用ValleyRtcAPI

一. 把 ValleyRtcAPIRNDemo\node\_modules\react-native-valley-rtc-api copy到程序的工程目录下

二、 把module 添加到项目中

1. 在项目 android/app/src/main/java/[...]/MainActivity.java中

import com.reactlibrary.RNValleyRtcApiPackage; 到头部导入

new RNValleyRtcApiPackage() 到getPackages() 方法列表中，如下

@Override

protected List<ReactPackage> getPackages() {

return Arrays.<ReactPackage>asList(

new MainReactPackage(),

new RNValleyRtcApiPackage(),

new RNValleyRtcApiVideoViewPackage()

);

}

2. 在项目 android/settings.gradle 中，添加

include ':react-native-valley-rtc-api'

project(':react-native-valley-rtc-api').projectDir = new File(rootProject.projectDir, '../node\_modules/react-native-valley-rtc-api/android')

3. 在项目 android/app/build.gradle 中的dependencies 中 添加 implementation project(':react-native-valley-rtc-api') ，如下

dependencies {

implementation fileTree(dir: "libs", include: ["\*.jar"])

implementation "com.android.support:appcompat-v7:${rootProject.ext.supportLibVersion}"

implementation "com.facebook.react:react-native:+" // From node\_modules

implementation project(':react-native-valley-rtc-api')

}

三、把ValleyRtcAPI 导入问题

1. 在项目 android/settings.gradle 中，添加

include ':ValleyRtcSDK'

project(':ValleyRtcSDK').projectDir = new File(rootProject.projectDir, '../node\_modules/react-native-valley-rtc-api/android/valley\_rtc\_video\_sdk')

2. 在 node\_modules\react-native-valley-rtc-api\android\build.gradle 中

dependencies {

implementation 'com.facebook.react:react-native:+'

compile project(path: ':ValleyRtcSDK')

}

3. 在node\_modules\react-native-valley-rtc-api\android\settings.gradle

include ':ValleyRtcSDK'

project(':ValleyRtcSDK').projectDir = new File('valley\_rtc\_video\_sdk')

四、在项目 android/app/src/main/java/[...]/MainActivity.java中，需要调用initsdk

public void onCreate() {

super.onCreate();

SoLoader.init(this, /\* native exopackage \*/ false);

// need to init sdk, input application

InitSDK(this);

}

五、出现 Manifest merger failed : Attribute application@allowBackup value=(false)

导入开源库出现上述错误处理方法

在manifest中添加xmlns:tools="http://schemas.android.com/tools"

然后在 application里面添加tools:replace="android:allowBackup"这样报错就消失了,大致如下

<manifest xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:tools="http://schemas.android.com/tools"

package="com.valleyrtcapirndemo">

<uses-permission android:name="android.permission.INTERNET" />

<uses-permission android:name="android.permission.SYSTEM\_ALERT\_WINDOW"/>

<application

tools:replace="android:allowBackup"

android:name=".MainApplication"

android:label="@string/app\_name"

android:icon="@mipmap/ic\_launcher"

android:allowBackup="false"

android:theme="@style/AppTheme">

1. 需要权限

1.在app 的 AndroidManifest.xml 中，增加如下权限

<uses-permission android:name="android.permission.READ\_EXTERNAL\_STORAGE"/>

<uses-permission android:name="android.permission.WRITE\_EXTERNAL\_STORAGE"/>

<uses-permission android:name="android.permission.RECORD\_AUDIO"/>

<uses-permission android:name="android.permission.CAMERA"/>

1. 需要在app 中申请这些权限，可以使用如下代码

private static final int REQUEST\_EXTERNAL\_STORAGE = 1;

private static String[] PERMISSIONS\_STORAGE = {

Manifest.permission.READ\_EXTERNAL\_STORAGE,

Manifest.permission.WRITE\_EXTERNAL\_STORAGE,

Manifest.permission.RECORD\_AUDIO,

Manifest.permission.CAMERA};

private void permission() {

// Check if we have write permission

int permission = ActivityCompat.checkSelfPermission(this,

Manifest.permission.WRITE\_EXTERNAL\_STORAGE);

if (permission != PackageManager.PERMISSION\_GRANTED) {

// We don't have permission so prompt the user

ActivityCompat.requestPermissions(this, PERMISSIONS\_STORAGE,

REQUEST\_EXTERNAL\_STORAGE);

}

}

此代码在ValleyRtcAPIRNDemo\android\app\src\main\java\com\valleyrtcapirndemo\MainActivity.java 中

1. 在ValleyRtcAPIRNDemo\android\app\src\main\java\com\valleyrtcapirndemo\MainActivity.java 创建mainActivity 时候，把Activity 设置到Valley SDK 中

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

permission();

RNValleyRtcApiModule.SetActivity(this);

}