# 1.sdk导入

## 1.1导入sdk依赖库

//导入我们广告库的sdk

implementation **'com.boniu.ad:gdtsdk:4.294.1164@aar'**implementation **'com.boniu.ad:csjsdk:3.2.5.1@aar'**implementation **'com.boniu.ad:adsdk:1.1.3@aar'**implementation **'com.squareup.okhttp3:okhttp:4.0.1'**implementation **'com.squareup.retrofit2:retrofit:2.5.0'**implementation **'com.squareup.retrofit2:adapter-rxjava:2.5.0'**implementation **'com.google.code.gson:gson:2.8.6'**

implementation **'com.github.bumptech.glide:glide:4.10.0'**

**//maven**

maven { url **'http://nexus.rhinox.cn/repository/maven-public/'**}

## 1.2AndroidManifest配置

### 1.2.1 添加权限

<!--必要权限-->

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

<uses-permission android:name="android.permission.READ\_PHONE\_STATE" />

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

<uses-permission android:name="android.permission.ACCESS\_NETWORK\_STATE" />

<uses-permission android:name="android.permission.REQUEST\_INSTALL\_PACKAGES"/>

<uses-permission android:name="android.permission.GET\_TASKS"/>

<!--可选，穿山甲提供“获取地理位置权限”和“不给予地理位置权限，开发者传入地理位置参数”两种方式上报用户位置，两种方式均可不选，添加位置权限或参数将帮助投放定位广告-->

<!--请注意：无论通过何种方式提供给穿山甲用户地理位置，均需向用户声明地理位置权限将应用于穿山甲广告投放，穿山甲不强制获取地理位置信息-->

<uses-permission android:name="android.permission.ACCESS\_FINE\_LOCATION" />

<!-- 如果有视频相关的广告且使用textureView播放，请务必添加，否则黑屏 -->

<uses-permission android:name="android.permission.WAKE\_LOCK" />

### 1.2.2 下载配置

//直客广告

<**service android:name="com.boniu.ad.download.UpdateService"  
 android:exported="false"** />

//广点通配置

*<!-- 声明SDK所需要的组件 -->*<**service  
 android:name="com.qq.e.comm.DownloadService"  
 android:exported="false"** />  
*<!-- 请开发者注意字母的大小写，ADActivity，而不是AdActivity -->*<**activity  
 android:name="com.qq.e.ads.ADActivity"  
 android:screenOrientation="portrait"  
 android:configChanges="keyboard|keyboardHidden|orientation|screenSize"  
 android:exported="false"** />

//穿山甲配置

<**provider  
 android:name="com.bytedance.sdk.openadsdk.TTFileProvider"  
 android:authorities="${applicationId}.TTFileProvider"  
 android:exported="false"  
 android:grantUriPermissions="true"**>  
 <**meta-data  
 android:name="android.support.FILE\_PROVIDER\_PATHS"  
 android:resource="@xml/file\_paths"** />  
</**provider**>  
<**provider  
 android:name="com.bytedance.sdk.openadsdk.multipro.TTMultiProvider"  
 android:authorities="${applicationId}.TTMultiProvider"  
 android:exported="false"** />

//file\_paths

*<?***xml version="1.0" encoding="utf-8"***?>*<**paths xmlns:android="http://schemas.android.com/apk/res/android"**>  
 <**root-path  
 name="root"  
 path=""** />  
  
 <**external-path  
 name="external"  
 path="."** />  
  
 <**external-path  
 name="root\_path"  
 path="Android/data/com.jisuanqi.xiaodong"** />  
  
 <**external-files-path  
 name="external\_file\_path"  
 path="."** />  
 <**external-cache-path  
 name="external\_cache\_path"  
 path="."** />  
  
  
 <**external-cache-path  
 name="gdt\_sdk\_download\_path1"  
 path="com\_qq\_e\_download"** />  
 <**cache-path  
 name="gdt\_sdk\_download\_path2"  
 path="com\_qq\_e\_download"** />  
</**paths**>

## 1.3代码混淆

//穿山甲

-keep class com.bytedance.sdk.openadsdk.\*\* { \*; }

-keep public interface com.bytedance.sdk.openadsdk.downloadnew.\*\* {\*;}

-keep class com.pgl.sys.ces.\* {\*;}

//直客

**-keep** class com.boniu.ad.bean.\*\* { **\*;** }

*# 嵌入广点通sdk时必须添加***-keep** class com.qq.e.\*\* {  
 **public protected \*;** }  
 **-keep** class android.support.v4.\*\*{  
 **public \*;** }  
 **-keep** class android.support.v7.\*\*{  
 **public \*;** }  
**-keep** class MTT.ThirdAppInfoNew {  
 **\*;** }  
 **-keep** class com.tencent.\*\* {  
 **\*;** }

## 1.4初始化sdk

*/\*\*  
 \*   
 \** ***@param context*** *\** ***@param packageNmae*** *包名  
 \** ***@param appName*** *appname  
 \*/*

SplashConfig.*init*(**app**,**"com.jisuanqi.xiaodong"**,**"计算器"**);

# 2.加载广告

## 2.1加载开屏广告

//**frameLayout显示布局**

**//**

**new** SplashAdManager().ShowSplashAd(**this**,**frameLayout**,**iStartNext,”广告位”**);

**private** SplashAdManager.IStartNext **iStartNext** = **new** SplashAdManager.IStartNext() {

//跳过返回  
 @Override  
 **public void** startNext() {  
 gotoNext();  
 }

//失败返回  
 @Override  
 **public void** onerror(String msg) {  
 Log.*e*(**"MainActivity"**, **"onerror: "** + msg );  
 gotoNext();  
 }  
  
};

## 2.2加载激励视频

**new** RewardAdManager().ShowSplashAd(MainActivity.**this**,**new** RewardAdManager.RewardAdManagerListener() {  
 @Override  
 **public void** rewardVideAdComplete() {  
 *//成功* Log.*e*(***TAG***, **"rewardVideAdComplete: "** );  
 }  
  
 @Override  
 **public void** rewardVideAdClose() {  
  
 Log.*e*(***TAG***, **"rewardVideAdClose: "** );  
 *//关闭* }  
  
 @Override  
 **public void** rewardError(String msg) {  
 *//错误* Log.*e*(***TAG***, **"rewardError: "** + msg);  
 }  
}**,”广告位”**);