**MoPub接入文档**

**一 配置说明：**

CocosCreator 2.0.9

Mopub官网：<https://developers.mopub.com/publishers/android/get-started/>

CCC：配置设置网站：<https://docs.cocos.com/creator/manual/zh/publish/setup-native-development.html>

项目构建路径中最好不要有特殊符号以及名字过长以及项目路径过深，不然可能会导致编译失败

电脑和测试手机最好翻墙，电脑下载对应包不翻墙可能失败，手机不翻墙测试不了

**二 正确构建以及编译**

**三 开始接入（只接入了横幅以及激励视频）**

1. <AndroidManifest>配置文件的修改,

添加配置：

*<!-- MoPub's consent dialog -->*<**activity android:name="com.mopub.common.privacy.ConsentDialogActivity" android:configChanges="keyboardHidden|orientation|screenSize"**/>  
*<!-- All ad formats -->*<**activity android:name="com.mopub.common.MoPubBrowser" android:configChanges="keyboardHidden|orientation|screenSize"**/>  
*<!-- Interstitials -->*<**activity android:name="com.mopub.mobileads.MoPubActivity" android:configChanges="keyboardHidden|orientation|screenSize"**/>  
<**activity android:name="com.mopub.mobileads.MraidActivity" android:configChanges="keyboardHidden|orientation|screenSize"**/>  
*<!-- Rewarded Video and Rewarded Playables -->*<**activity android:name="com.mopub.mobileads.RewardedMraidActivity" android:configChanges="keyboardHidden|orientation|screenSize"**/>  
<**activity android:name="com.mopub.mobileads.MraidVideoPlayerActivity" android:configChanges="keyboardHidden|orientation|screenSize"**/>

添加网络安全配置文件：

<manifest>

<application

...

android:networkSecurityConfig="@xml/network\_security\_config"

...>

</application>

</manifest>

<?xml version="1.0" encoding="utf-8"?>

<network-security-config>

<base-config cleartextTrafficPermitted="true">

<trust-anchors>

<certificates src="system"/>

</trust-anchors>

</base-config>

<debug-overrides>

<trust-anchors>

<certificates src="user"/>

</trust-anchors>

</debug-overrides>

</network-security-config>

检查是否有此文件<network\_security\_config>,

没有则新建（右键->new->XML->App Actions XML File）

声明谷歌服务，添加：

<**meta-data  
 android:name="com.google.android.gms.version"  
 android:value="@integer/google\_play\_services\_version"** />

在Module的<build.gradle>中，添加：

android **{**

compileOptions **{**

sourceCompatibility JavaVersion**.**VERSION\_1\_7

targetCompatibility JavaVersion**.**VERSION\_1\_8

**}**

**}**

以及添加：

repositories {  
 jcenter()  
 maven { url **"https://s3.amazonaws.com/moat-sdk-builds"** }  
}

dependencies{

implementation(**'com.mopub:mopub-sdk-banner:+@aar'**) {  
 transitive = **true** }  
 implementation(**'com.mopub:mopub-sdk-rewardedvideo:+@aar'**) {  
 transitive = **true** }

implementation **'com.google.android.gms:play-services-base:16.0.1'**

}

Project中的<build.gradle>中添加：

dependencies {  
 classpath **'com.android.tools.build:gradle:3.2.0'**

classpath **'com.novoda:bintray-release:0.9.1'**  
}

**横幅广告的配置：**（右键->new->XML->Layout XML File->命名为：***banner\_layout***）

*<?***xml version="1.0" encoding="utf-8"***?>*<**LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 xmlns:app="http://schemas.android.com/apk/res-auto"**>  
  
 <**com.mopub.mobileads.MoPubView  
 android:id="@+id/banner\_view"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 app:moPubAdSize="match\_view"**>  
 </**com.mopub.mobileads.MoPubView**>  
</**LinearLayout**>

**开始接入**

1. **初始化SDK**

**在OnCreate或者OnCreateView中：**

**final** SdkConfiguration.Builder configBuilder = **new** SdkConfiguration.Builder(  
 **"920b6145fb1546cf8b5cf2ac34638bb7"**);MoPub.*initializeSdk*(**this**,configBuilder.build(),initSdkListener());

**在activity类中声明一个方法：**

**private** SdkInitializationListener initSdkListener() {  
 **return new** SdkInitializationListener() {  
 @Override  
 **public void** onInitializationFinished() {  
 *//初始化激励视频* InitRewardAdsListener();

*//初始化横幅广告*

InitBannerView();

}  
 };  
}

**声明变量：**

**private** MoPubRewardedVideoListener **rewardedVideoListener**;

**private** MoPubView **moPubView**;

**private** AppActivity **m\_activity**;

**初始化视频函数：**

**private void** InitRewardAdsListener(){  
 **rewardedVideoListener** = **new** MoPubRewardedVideoListener() {  
 @Override  
 **public void** onRewardedVideoLoadSuccess(String adUnitId) {  
 System.***out***.println(**"------------------------->>>>>>>>>>广告加载完毕"**);  
 MoPubRewardedVideos.*showRewardedVideo*(**"920b6145fb1546cf8b5cf2ac34638bb7"**);  
 *// Called when the video for the given adUnitId has loaded. At this point you should be able to call MoPubRewardedVideos.showRewardedVideo(String) to show the video.* }  
 @Override  
 **public void** onRewardedVideoLoadFailure(String adUnitId, MoPubErrorCode errorCode) {  
 System.***out***.println(**"------------------------->>>>>>>>>>广告加载错误:"**+errorCode+**":"**+adUnitId);  
 *// Called when a video fails to load for the given adUnitId. The provided error code will provide more insight into the reason for the failure to load.* }  
 @Override  
 **public void** onRewardedVideoStarted(String adUnitId) {  
 *// Called when a rewarded video starts playing.* }  
 @Override  
 **public void** onRewardedVideoPlaybackError(String adUnitId, MoPubErrorCode errorCode) {  
 *// Called when there is an error during video playback.* }  
 @Override  
 **public void** onRewardedVideoClicked(@NonNull String adUnitId) {  
 *// Called when a rewarded video is clicked.* }  
 @Override  
 **public void** onRewardedVideoClosed(String adUnitId) {  
 *// Called when a rewarded video is closed. At this point your application should resume.* }  
 @Override  
 **public void** onRewardedVideoCompleted(Set<String> adUnitIds, MoPubReward reward) {  
 *// Called when a rewarded video is completed and the user should be rewarded.  
 // You can query the reward object with boolean isSuccessful(), String getLabel(), and int getAmount().* }  
 };  
 MoPubRewardedVideos.*setRewardedVideoListener*(**rewardedVideoListener**);  
}

**播放视频：**

**private void** playVideo(){  
 MoPubRewardedVideos.*loadRewardedVideo*(**"920b6145fb1546cf8b5cf2ac34638bb7"**);  
}

**初始化横幅广告：**

**private void** InitBannerView(){  
 LinearLayout.LayoutParams \_layoutParams = **new** LinearLayout.LayoutParams(LinearLayout.LayoutParams.***WRAP\_CONTENT***, LinearLayout.LayoutParams.***WRAP\_CONTENT***);  
 LayoutInflater inflater3 = LayoutInflater.*from*(**m\_activity**);  
 View view = inflater3.inflate(R.layout.***banner\_layout***,**null**);  
 view.setLayoutParams(\_layoutParams);  
 **m\_activity**.addContentView(view,\_layoutParams);  
 **moPubView** = (MoPubView)**m\_activity**.findViewById(R.id.***banner\_view***);  
 System.***out***.println(**"-------------->>>横幅初始化完毕！"**+**moPubView**);  
 **moPubView**.setAdUnitId(**"b195f8dd8ded45fe847ad89ed1d016da"**);  
 **moPubView**.loadAd();  
}