

# NBMediation 对接说明

```
dependencies {
    implementation fileTree(dir: 'libs', include: ['*.jar'])
    implementation rootProject.ext.dependencies.multidex
    implementation 'com.android.support:appcompat-v7:28.0.0'
    implementation 'com.android.support.constraint:constraint-layout:1.1.3'
    implementation 'com.android.support:support-v4:28.0.0'
    testImplementation 'junit:junit:4.12'
    androidTestImplementation 'com.android.support.test:runner:1.0.2'
    androidTestImplementation 'com.android.support.test.espresso:espresso-core:3.0.2'

    //NBMediation
    implementation(name: 'nm-android-sdk', ext: 'aar') // 首先引入NBMediation SDK

    //cloudmobi cn
    implementation(name: 'suib_base_4.2.7_sucn', ext: 'jar')
    implementation(name: 'suib_imageloader_4.2.7_sucn', ext: 'jar')
    implementation(name: 'suib_video_4.2.7_sucn', ext: 'jar')
    implementation project(path: ':adapter_cn:cloudmobi')

    //hyadxopen cn
    implementation(name: 'hyadxopensdk', ext: 'aar')
    implementation project(path: ':adapter_cn:hyadxopen')

    //tencentad cn
    implementation(name: 'GDTSDK.unionNormal.4.191.1061', ext: 'aar')
    implementation(name: 'android-query-full.0.26.7', ext: 'jar')
    implementation project(path: ':adapter_cn:tencentad')

    //tiktok cn
    implementation(name: 'open_ad_sdk_2.9.5.5', ext: 'aar')
    implementation project(path: ':adapter_cn:tiktok')

    //AdColony
    implementation rootProject.ext.dependencies.adcolony
    implementation project(path: ':adapter:adcolony')

    //admob
    implementation rootProject.ext.dependencies.admob
}
```

所有的离线 aar 和 jar 包都放在 demo 项目根目录下的 libs 目录

## 一、引入 SDK 步骤

### 1、引入 NBMediation SDK

```
//NBMediation
implementation(name: 'nm-android-sdk', ext: 'aar')
```

### 2、引入聚合的 SDK 和相对应的 adapter

```
//cloudmobi cn
implementation(name: 'suib_base_4.2.7_sucn', ext: 'jar')
implementation(name: 'suib_imageloader_4.2.7_sucn', ext: 'jar')
implementation(name: 'suib_video_4.2.7_sucn', ext: 'jar')
implementation project(path: ':adapter_cn:cloudmobi')

//hyadxopen cn
implementation(name: 'hyadxopensdk', ext: 'aar')
implementation project(path: ':adapter_cn:hyadxopen')

//tencentad cn
implementation(name: 'GDTSDK.unionNormal.4.191.1061', ext: 'aar')
```

```
implementation(name: 'android-query-full.0.26.7', ext: 'jar')
implementation project(path: ':adapter_cn:tencentad')

//tiktok cn
implementation(name: 'open_ad_sdk_2.9.5.5', ext: 'aar')
implementation project(path: ':adapter_cn:tiktok')
```

## 二、聚合 SDK 初始化

请在 Application 的 onCreate 里面初始化聚合 SDK,或者在 SplashActivity 里初始化, 接入开屏请参考第六章节

```
private void initSDK().{
    .....NewApiUtils.printLog(msg: "start.init.sdk");
    .....NmAds.init(activity: this, NewApiUtils.APPKEY, new InitCallback().{
        .....@Override
        .....public void onSuccess().{
            .....NewApiUtils.printLog(msg: "init.success");
            .....setVideoListener();
            .....setInterstitialListener();
        .....}

        .....@Override
        .....public void onError(Error result).{
            .....NewApiUtils.printLog(msg: "init.failed."+result.toString());
        .....}
    .....});
}
```

这里需要传入一个 AppKey，请在聚合后台获取，具体请看下图，点击复制即可：

新蜂聚合

Overview

























Apps

Reporting

Apps

Copied App Key value to the clipboard

Add App

App	Platform	App Key	Active Placements	Operations
 汤姆快跑 http://apps.apple.com/cn/app...	iOS	 	<div>Rewarded Video x 1</div> <div>Interstitial x 1</div>	<a href="#">Disable</a>
 全民来养猪 com.yangzhu.mi	Android	 	<div>Rewarded Video x 2</div> <div>Interstitial x 1</div>	<a href="#">Disable</a>
 tws测试 com.test.tws	Android	 	<div>Rewarded Video x 2</div> <div>Interstitial x 1</div>	<a href="#">Disable</a>
 Smart Word Search 1136577472	iOS	 	<div>Rewarded Video x 2</div> <div>Interstitial x 3</div>	<a href="#">Disable</a>
 Twitter com.twitter.android	Android	 	<div>Rewarded Video x 1</div> <div>Interstitial x 1</div>	<a href="#">Disable</a>
 抖音短视频 1142110895	iOS	 	<div>Rewarded Video x 1</div> <div>Interstitial x 1</div>	<a href="#">Disable</a>
 2048 777	Android	 	<div>Rewarded Video x 2</div> <div>Interstitial x 1</div>	<a href="#">Disable</a>
 1024 666	iOS	 	<div>Rewarded Video x 2</div> <div>Interstitial x 1</div>	<a href="#">Disable</a>

### 三、激励视频和插屏接入

这里通过下图接口来判断，返回 true 表示激励视频或者插屏已准备就绪，可以调用 showAd 方法展示广告

```
.....if (RewardedVideoAd.isReady()) {  
.....    setRewardVideoButtonStat(true);  
.....}  
.....if (InterstitialAd.isReady()) {  
.....    setInterstitialButtonStat(true);  
.....}
```

```
.....public void showRewardVideo(View view) {  
.....    RewardedVideoAd.showAd();  
.....    setRewardVideoButtonStat(false);  
.....}  
  
.....public void showInterstitial(View view) {  
.....    InterstitialAd.showAd();  
.....    setInterstitialButtonStat(false);  
.....}
```

设置全局激励视频的监听回调：

```
.....private void setVideoListener() {  
.....    RewardedVideoAd.setAdListener(new RewardedVideoListener() {  
.....        @Override  
.....        public void onRewardedVideoAvailabilityChanged(boolean available) {  
.....            if (available) {  
.....                setRewardVideoButtonStat(true);  
.....            }  
.....        }  
.....  
.....        @Override  
.....        public void onRewardedVideoAdShown(Scene scene) { NewApiUtils.printLog(msg: "onRewardedVideoAdShown " + scene); }  
.....  
.....        @Override  
.....        public void onRewardedVideoAdShowFailed(Scene scene, Error error) { NewApiUtils.printLog(msg: "onRewardedVideoAdShowFailed " + scene); }  
.....  
.....        @Override  
.....        public void onRewardedVideoAdClicked(Scene scene) { NewApiUtils.printLog(msg: "onRewardedVideoAdClicked " + scene); }  
.....  
.....        @Override  
.....        public void onRewardedVideoAdClosed(Scene scene) { NewApiUtils.printLog(msg: "onRewardedVideoAdClosed " + scene); }  
.....  
.....        @Override  
.....        public void onRewardedVideoAdStarted(Scene scene) { NewApiUtils.printLog(msg: "onRewardedVideoAdStarted " + scene); }  
.....  
.....        @Override  
.....        public void onRewardedVideoAdEnded(Scene scene) { NewApiUtils.printLog(msg: "onRewardedVideoAdEnded " + scene); }  
.....  
.....        @Override  
.....        public void onRewardedVideoAdRewarded(Scene scene) { NewApiUtils.printLog(msg: "onRewardedVideoAdRewarded " + scene); }  
.....    });  
.....}
```

设置全局插屏的监听回调：

```
private void setInterstitialListener() {
    InterstitialAd.setAdListener(new InterstitialAdListener() {
        @Override
        public void onInterstitialAdAvailabilityChanged(boolean available) {
            if (available) {
                setInterstitialButtonStat(true);
            }
        }

        @Override
        public void onInterstitialAdShown(Scene scene) { NewApiUtils.printLog(msg: "onInterstitialAdShown." + scene); }

        @Override
        public void onInterstitialAdShowFailed(Scene scene, Error error) { NewApiUtils.printLog(msg: "onInterstitialAdShowFailed " + scene); }

        @Override
        public void onInterstitialAdClosed(Scene scene) { NewApiUtils.printLog(msg: "onInterstitialAdClosed." + scene); }

        @Override
        public void onInterstitialAdClicked(Scene scene) { NewApiUtils.printLog(msg: "onInterstitialAdClicked." + scene); }
    });
}
```

具体请参考 DEMO 里的 com.nbmediation.sdk.demo.MainActivity 详情

## 四、Banner 接入

```
bannerAd = new BannerAd(activity: this, NewApiUtils.P_BANNER, new BannerAdListener() {
    @Override
    public void onAdReady(View view) {
        try {
            if (null != view.getParent()) {
                ((ViewGroup) view.getParent()).removeView(view);
            }
            adContainer.removeAllViews();
            RelativeLayout.LayoutParams layoutParams = new RelativeLayout.LayoutParams(
                RelativeLayout.LayoutParams.WRAP_CONTENT, RelativeLayout.LayoutParams.WRAP_CONTENT);
            layoutParams.addRule(RelativeLayout.CENTER_IN_PARENT);
            adContainer.addView(view, layoutParams);
        } catch (Exception e) {
            Log.e(tag: "AdtDebug", e.getLocalizedMessage());
        }
        bannerButton.setEnabled(true);
        bannerButton.setText("Load And Show Banner Ad");
    }

    @Override
    public void onAdFailed(String error) {
        bannerButton.setEnabled(true);
        bannerButton.setText("Banner Load Failed, Try Again");
    }

    @Override
    public void onAdClicked() {
    }
});
bannerAd.setAdSize(AdSize.AD_SIZE_320X50);
bannerAd.loadAd();
```

这里的广告位 ID 请去聚合后台查找

新蜂聚合

Overview

Apps

2048

777

Apps Dashboard

Placements

Ad Network

Mediation

SDK Intergration

Reporting

Placements

Type

Apply

Add Placement

Placement	Type	Enable Scenes	Traffic Control	Operations
Banner-Cloudmobi Banner   260	Banner	--	Placement-level: Limited Scene-level: All	<a href="#">Edit</a>   <a href="#">Disable</a>
two_banner Banner   259	Banner	--	Placement-level: All Scene-level: All	<a href="#">Edit</a>   <a href="#">Disable</a>
NATIVE Native   258	Native	--	Placement-level: All Scene-level: All	<a href="#">Edit</a>   <a href="#">Disable</a>
Banner Banner   256	Banner	--	Placement-level: Limited Scene-level: All	<a href="#">Edit</a>   <a href="#">Disable</a>
Default_Interstitial Interstitial   235	Interstitial	1	Placement-level: All Scene-level: All	<a href="#">Edit</a>   <a href="#">Disable</a>
Default_RewardVideo Rewarded Video   236	Rewarded Video	1	Placement-level: Limited Scene-level: All	<a href="#">Edit</a>   <a href="#">Disable</a>
Default_RewardVideo2 Rewarded Video   246	Rewarded Video	1	Placement-level: Limited Scene-level: All	<a href="#">Edit</a>   <a href="#">Enable</a>

## 五、native 接入

```
private NativeAd mNativeAd = new NativeAd(activity: this, NewApiUtils.P_NATIVE, new NativeAdListener() {
    @Override
    public void onAdFailed(String msg) {
        mNativeButton.setEnabled(true);
        mNativeButton.setText("Native Load Failed, Try Again");
    }

    @Override
    public void onAdReady(AdInfo info) {
        adContainer.removeAllViews();
        adView = LayoutInflater.from(MainActivity.this).inflate(R.layout.native_ad_layout, null);

        TextView title = adView.findViewById(R.id.ad_title);
        title.setText(info.getTitle());

        TextView desc = adView.findViewById(R.id.ad_desc);
        desc.setText(info.getDesc());

        Button btn = adView.findViewById(R.id.ad_btn);
        btn.setText(info.getCallToActionText());

        MediaView mediaView = adView.findViewById(R.id.ad_media);
        mNativeAdView = new NativeAdView(context: MainActivity.this);

        AdIconView adIconView = adView.findViewById(R.id.ad_icon_media);

        DisplayMetrics displayMetrics = MainActivity.this.getResources().getDisplayMetrics();
        mediaView.getLayoutParams().height = (int) (displayMetrics.widthPixels / (1200.0 / 627.0));

        mNativeAdView.addView(adView);
```

```

nativeAdView.setTitleView(title);
nativeAdView.setDescView(desc);
nativeAdView.setAdIconView(adIconView);
nativeAdView.setCallToActionView(btn);
nativeAdView.setMediaView(mediaView);

nativeAd.registerNativeAdView(nativeAdView);
RelativeLayout.LayoutParams layoutParams = new RelativeLayout.LayoutParams(
    RelativeLayout.LayoutParams.WRAP_CONTENT, RelativeLayout.LayoutParams.WRAP_CONTENT);
adContainer.addView(nativeAdView, layoutParams);
nativeButton.setEnabled(true);
nativeButton.setText("Load And Show Native Ad");
}

@Override
public void onAdClicked() {

}
});
nativeAd.loadAd();

```

## 六、开屏接入

为保证广告效果，从原生上接入，将开屏 SplashAdActivity 作为 Launch Activity。

- 1、老版本用户，移除初始化 init 和回调，移除开屏 showSplash。
- 2、在 AndroidManifest.xml 中，添加 SplashAdActivity 并设置为启动 Activity。

```

<activity android:name=".SplashAdActivity"
    android:theme="@android:style/Theme.DeviceDefault.NoActionBar"
    android:configChanges="keyboardHidden|screenSize|orientation"
    android:screenOrientation="portrait"
    tools:ignore="LockedOrientationActivity">
    <intent-filter>
        <action android:name="android.intent.action.MAIN" />
        <category android:name="android.intent.category.LAUNCHER" />
    </intent-filter>
</activity>

```

- 3、去掉 MainActivity 的 intent-filter，不在作为 Launch Activity。

```

<activity
    android:name="org.cocos2dx.javascript.AppActivity"
    android:screenOrientation="sensorLandscape"
    android:configChanges="orientation|keyboardHidden|screenSize|screenLayout"
    android:label="@string/app_name"
    android:launchMode="singleTask"
    android:taskAffinity=""
    android:theme="@android:style/Theme.NoTitleBar.Fullscreen" >

    <intent-filter android:order="1">
        <action android:name="android.intent.action.VIEW" />

        <category android:name="android.intent.category.BROWSABLE" />
        <category android:name="android.intent.category.DEFAULT" />
    </intent-filter>
<intent-filter>
    <action android:name="android.intent.action.MAIN" />
    <category android:name="android.intent.category.LAUNCHER" />
</intent-filter>
</activity>

```

删除

4、引入 SplashAdActivity.java，负责初始化聚合，加载插屏，并返回 MainActivity（检查 SplashAdActivity.java 中跳转 MainActivity 的类是否和 app 匹配）。

```

@Override
protected void onResume() {
    super.onResume();
    if (isClick) {
        startActivity(new Intent(packageContext: this, MainActivity.class));
        finish();
    }
}

public void init() {
    public void toMainPage() {
        Log.e(tag: "SplashAdActivity", msg: "----- toMainPage -----");
        startActivity(new Intent(packageContext: this, MainActivity.class));
        finish();
    }
}

```

5、修改 SplashAdActivit.java 中的 APPKEY。

6、在 init 的 onSuccess 回调函数中：

- setLoadTimeout ()，设置开屏加载超时时间单位毫秒；
- setSplashAdListener(this)，设置监听事件；
- setSize，设置请求宽高；

7、开发者可在 SplashAdActivity 中加入 Launch Image 作为背景，默认为黑色背景。f