NBMediation 对接说明

解压 om-sample.zip
adapter 和 adapter_cn 为聚合 SDK Adapter 源码，引入到目标工程。
libs 里为三方变现 SDK，引入到工程。
Android Studio 配置参考 demo 进行配置，文档可能有更新不及时的情况。

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，完全参考 demo 的 build.gradle 即可。

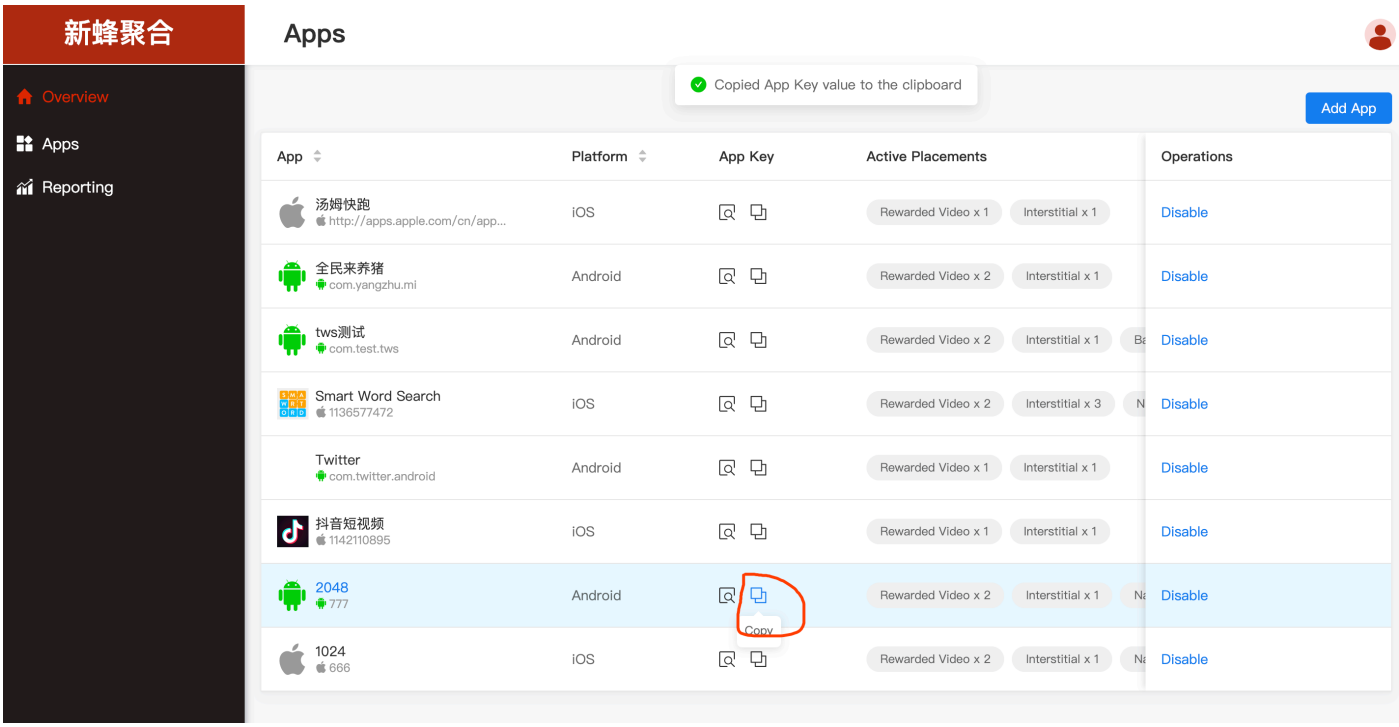
```
//tencentad cn
implementation(name: 'GDTSDK.unionNormal.4.191.1061', ext: 'aar')
implementation(name: 'android-query-full.0.26.7', ext: 'jar')
implementation project(path: ':adapter_cn:tencentad')

//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：



三、激励视频和插屏接入

3.1 自动广告加载

这种方式适用于使用单一广告位，并在广告位中设置瀑布流分层。此时，激励视频和插屏库存，可由 SDK 进行管理，开发者判断广告准备就绪，调用展示接口即可。瀑布流加载策略可在聚合后台配置，包括请求并发数，广告缓存池大小，请求间隔，超时时间，详细策略可咨询运营产品。

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，只适用于自动管理：

```
private void setVideoListener() {
    RewardedVideoAd.setAdListener(new RewardedVideoListener() {
        @Override
        public void onRewardedVideoAvailabilityChanged(boolean available) {
            if (available) {
                setRewardVideoButtonStat(true);
            }
        }

        @Override
        public void onRewardedVideoAdShowed(Scene scene) { NewApiUtils.printLog( msg: "onRewardedVideoAdShowed " + 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，只适用于自动管理：

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

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

3.2 手动管理

如广告场景使用多广告位，不设置分层，可采用手动管理广告加载。开发者判断触发场景前，调用广告加载接口，加载指定广告位，并在填充回调后，调用广告展示。

插屏加载接口，注意要去掉 3.1 节中，全局插屏的监听回调。

```java
//加载插屏
NmManager.getInstance().loadInterstitialAd( placementId: "235");
//设置监听回调
NmManager.getInstance().setInterstitialAdListener( placementId: "235", new InterstitialAdListener() {
    @Override
    public void onInterstitialAdAvailabilityChanged(boolean available) {
        if (available) {
            //available为true时，可展示激励视频
        }
    }

    @Override
    public void onInterstitialAdShowed(Scene scene) {
        NewApiUtils.printLog( msg: "onInterstitialAdShowed1 " + scene);
    }

    @Override
    public void onInterstitialAdShowFailed(Scene scene, Error error) {
        NewApiUtils.printLog( msg: "onInterstitialAdShowFailed1 " + scene);
    }

    @Override
    public void onInterstitialAdClosed(Scene scene) {
        NewApiUtils.printLog( msg: "onInterstitialAdClosed1 " + scene);
    }

    @Override
    public void onInterstitialAdClicked(Scene scene) {
        NewApiUtils.printLog( msg: "onInterstitialAdClicked1 " + scene);
    }
});

//判断激励视频是否ready
if(NmManager.getInstance().isInterstitialAdReady( placementId: "235")){
    //展示激励视频
    NmManager.getInstance().showInterstitialAd( placementId: "235",  scene: ""); //scene id可以不传
}
```

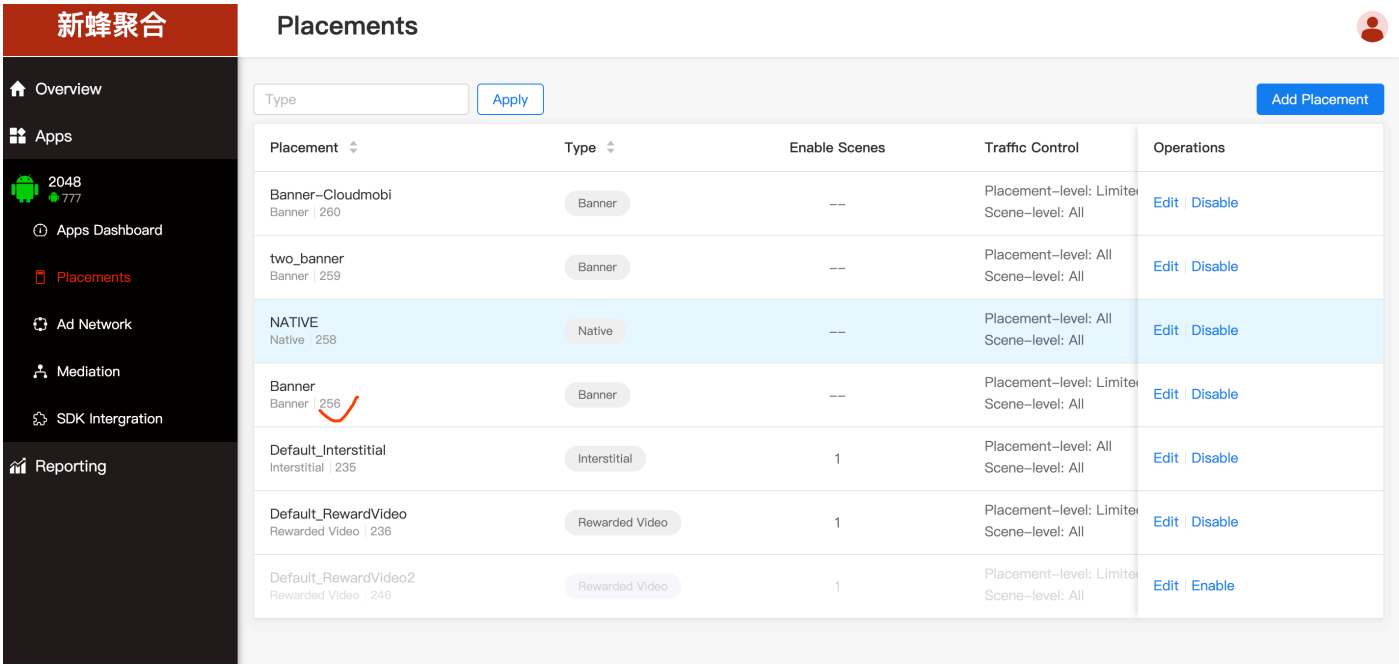
激励视频加载接口，注意要去掉 3.1 节中，全局激励视频的监听回调。

```java
//加载激励视频
NmManager.getInstance().loadRewardedVideo( placementId: "212");
//设置监听回调
NmManager.getInstance().setRewardedVideoListener( placementId: "232", new RewardedVideoListener() {
    @Override
    public void onRewardedVideoAvailabilityChanged(boolean available) {
        if (available) {
            //available为true时，可展示激励视频
        }
    }

    @Override
    public void onRewardedVideoAdShowed(Scene scene) {
        NewApiUtils.printLog( msg: "onRewardedVideoAdShowed " + 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);
    }
});
//判断激励视频是否ready
if(NmManager.getInstance().isRewardedVideoReady( placementId: "232")){
    //展示激励视频
    NmManager.getInstance().showRewardedVideo( placementId: "232",  scene: ""); //scene id
}
```

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



五、native 接入

```
nativeAd = new NativeAd( activity: this, NewApiUtils.P_NATIVE, new NativeAdListener() {
    @Override
    public void onAdFailed(String msg) {
        nativeButton.setEnabled(true);
        nativeButton.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);

        nativeAdView = 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));

        nativeAdView.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

1、可新建 SplashActivity 作为 app 主 Activity
2、在 SplashActivity 中初始化 SDK，并在成功回调中展示开屏。