Pegasi SDK integration documentation

1、Overview

Base SDK only contains API for NativeAd. If you need API for full screen ad or banner, please use extended SDK. Version: V3.3

2、Preparation

2.1、Include SDK

Extract SDK zip and copy aar file to your project's libs folder. Add below dependency to your Gradle configuration.

```
compile(name: 'cmadsdk_base_world_V3.3.0', ext: 'aar')
```

2.2、Modify AndroidManifest.xml

Add required permission

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



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



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

2.3、Initialization

```
Initialize SDK in Application OnCreate(), see below sample code:



@Override



public void onCreate() {



    super.onCreate();

```

```
    //Initialize sdk


    //First parameter: context


    //Second parameter: Mid (the first four numbers of Posid)


    //Product channel ID, could be empty string if none


    CMAdManager.applicationInit(this, "Your Mid", "You channel ID");


}
```

3. Integration

3.1、Native ad

3.1.1、Request and display ad

```
//First parameter: context


//Second parameter: Posid


NativeAdManager nativeAdManager = new NativeAdManager(this, "Your posid");


nativeAdManager.setNativeAdListener(new INativeAdLoader.INativeAdLoaderListener()
{


    @Override


    public void adLoaded() {
```

```java
        INativeAd ad = nativeAdManager.getAd();


        View mAdView = View.inflate(MainActivity.this,


            "Your Ad layout", null);


        //Acquire ad object from manager instance.


        //Binding ad object to your view. This will add click event to the view for
monitoring clicking.


        mNativeAd.registerViewForInteraction(mAdView);


        //Note: This is required step. If not binding ad object to your view, it
can't receive click event.


        //unregister view when you don't need it anymore, i.e. leaving activity.


        //Show ad


        nativeAdContainer.addView(mAdView);


    }


    @Override


    public void adFailedToLoad(int errorCode) {
```

```
        //Callback when requesting ad failed.



    }



    @Override



    public void adClicked(INativeAd ad) {



        //Callback when ad clicked.



    }



});



    nativeAdManager.loadAd();
```

3.1.2、Native APIs

- com.cmcm.adsdk.NativeAdManager

Method name	Description
NativeAdManager(Context context, String posid)	NativeAdManager constructor
setNativeAdListener(INativeAdLoaderListener listener)	Adds listener
loadAd( )	Loads ad
getAd( )	Acquires ad

- com.cmcm.baseapi.ads.INativeAd

Method name	Description
getAdtitle()	Gets title
getAdBody()	Gets descrition
getAdIconUrl()	Gets icon Url
getAdCoverImageUrl()	Gets cover image Url
getAdCallToAction()	Gets text string for ad button
getAdStarRating()	Gets rating star (could be null)
getAdSocialContext()	Gets ad download number or website (could be null)
hasExpired()	Check ad expired or not (true for expired)
isDownLoadApp()	Check if download app type (true: yes, false/null: unknown)
setImpressionListener(ImpressionListener listener)	Adds listener for impression
registerViewForInteraction(View view)	Binding ad object to view (Mandatory)
unregisterView()	Unregister view (Mandatory)

4、Configuring ProGuard (obfuscate)

Adding below in the PorGuard configuration:

```
-dontwarn com.cmcm.adsdk.*




-keep class com.cmcm.adsdk.** { *;}
```

5、Error code

Error Code	Description
10001	No configuration for this ad layout. (Please check if have initialized sdk and if posid matched to mid)
10002	No ad data. (Please check your network connection. Using VPN if your are not on overseas network)
10003	Internal error
10004	Request timeout