

Avazu Native Ad SDK Setup for Android

v2.0

Google Play Compliant

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Preparation

Import jar and configure Gradle

1. Copy AvazuNativeAdSdk_v2.0.jar to project
2. Copy AudienceNetwork.jar to project
3. Import Google Service
4. Add the dependencies of com.android.support:recyclerview-v7:24.0.0 and com.google.code.gson:gson:2.7 to build.gradle

Note: 1. Without these dependencies, the app may not work normally.

2. You may use the latest version of RecyclerView and Gson.

Configure AndroidManifest.xml

Declare the following permissions in AndroidManifest.xml:

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

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

Main Functions

Initialize SDK

Call the SDK initialization function in onCreate() when you start your app.

```
AzAdsdk.init(Context context)
```

Request a Single Ad

Construct a Native Ad Object

1. Get your Placement ID from Facebook: <https://developers.facebook.com/>
2. Get your Traffic Source ID for Display from APX: <http://apx.ui.avazutracking.net/home/>
3. Construct a native ad object using the above IDs:

```
public AzNativeAd(Context context, String fbPid, String apxId)
```

| Parameter | Description |
|-----------------|-------------------------------------|
| Context context | Activity Context |
| String fbPid | Facebook's Placement ID |
| String apxId | APX's Traffic Source ID for Display |

Register your Ad Listener

Before loading the ad, you must register your ad listener to handle the ad data, errors, and clicks.

```
public void setAzAdListener(AzAdListener azAdListener)
```

| Parameter | Description |
|--------------|--|
| AzAdListener | <pre>public interface AzAdListener{ public void onError(AzNativeAd ad, AzAdError error) public void onAdLoaded(AzNativeAd ad) public void onAdClicked(AzNativeAd ad) }</pre> |

Load Ad

SDK will first try to get a Facebook ad to fill the request. If no ad is returned by Facebook, it will then try to get an APX ad.

public void loadAd()

- If the loading is successful, `onAdLoaded()` will be called. You can use the `AzNativeAd` object to retrieve the ad data.
- If the loading is failed, `onError()` will be called. You can use the `AzAdError` object to get the specific error code.

| Error Constant | Error Code | Description |
|-------------------|------------|----------------------------|
| NETWORK_ERROR | 1000 | Network error |
| NO_FILL | 2000 | No ad to fill |
| SERVER_ERROR | 3000 | Server error |
| AD_ALREADY_LOADED | 3001 | Ad has already been loaded |
| UNKOWN_ERROR | 4000 | Unknown error |

- If the ad is clicked, `onAdClick()` will be called.

Ad Data

- Title

String getAdTitle()

- Icon

String getAdIconUrl()

- Call-To-Action (CTA) Text

String getAdCallToAction()

- Description

String getShortDesc()

- App Rating

float getAdRating()

- Cover Image (1200x627)

String getAdCoverImageUrl()

- Facebook's AdChoiceView

View getAdChoiceView(Context context)

- Ad Source (Facebook or APX)

String getAdSource()

- Register view for interaction

The SDK will log impressions and clicks automatically. But you must register the ad's view with the AzNativeAd object.

void registerViewForInteraction(View view);

void registerViewForInteraction(View view, List<View> views);

Request an Ad List using AzNativeAdsManager

Construct an AzNativeAdsManager Object

1. Get your Placement ID from Facebook: <https://developers.facebook.com/>
2. Get your Traffic Source ID for Display from APX: <http://apx.ui.avazutracking.net/home/>
3. Construct an AzNativeAdsManager object using the above IDs:

public AzNativeAdsManager (Context context, String fbpid, String apxid, int adCount)

| Parameter | Description |
|-----------------|---|
| Context context | Activity Context |
| String fbpid | Facebook's Placement ID |
| String apxid | APX's Traffic Source ID for Display |
| int adCount | Ad Number (an integer between 1 and 10) |

Demo:

```
AzNativeAdsManager adsManager = new AzNativeAdsManager(context,
facebookPlacementId, apxSourceId, 5)
```

Register your Ad List Listener

Before loading the ad list, you must register your ad listener to handle the ad data and errors.

public void setListener(AzNativeAdsManager.Listener listener)

| Parameter | Description |
|--------------------|---|
| AzNativeAdsManager | <pre>public interface AzAdListener{ public void onAdError(AzAdError error) public void onAdsLoaded() }</pre> |

Load Ad List

SDK will first try to get Facebook ads to fill the request. If Facebook does not return enough number of ads, it will then try again to get APX ads to fill the list.

adsManager.loadAds()