AdFalcon Adapater for Admob Mediation Integration Guide

AdFalcon Mobile Ad Network
Product of
Noqoush Mobile Media Group

Table of Contents

1   Introduction

This document aims to provide guidance to developers interested in integrating AdFalcon SDKs with AdMob Mediation.
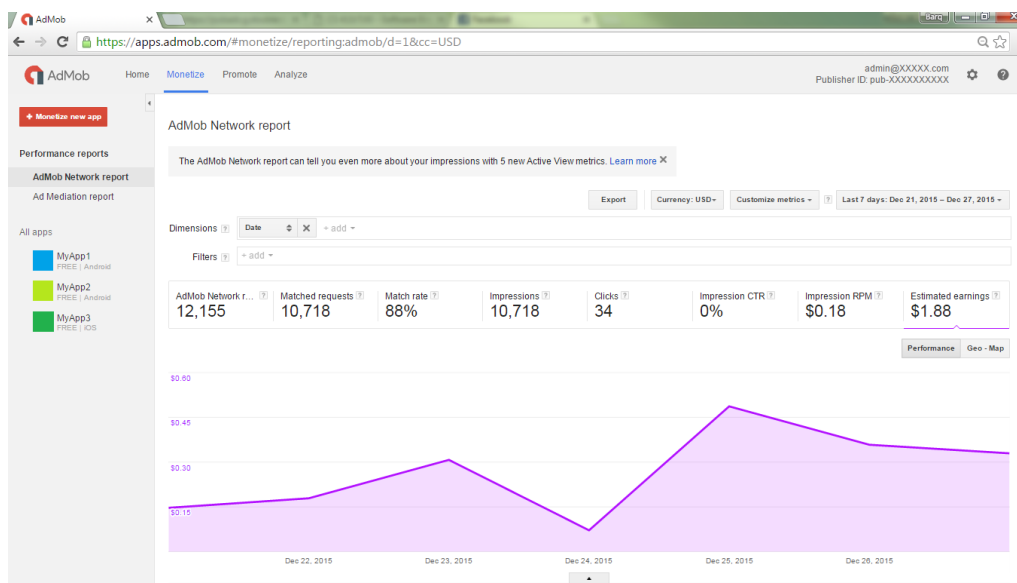
2   Requirements

1. You should have both a valid AdFalcon account and Admob account.
2. You should register your app in both AdFalcon and Admob networks; which means you have App/Site ID for AdFalcon App and Publisher ID for AdMob App.
3. You have to download the below SDKs and Adapter
    a. AdFalcon SDK **v2.1.0** or higher:
        http://www.adfalcon.com/en/download-sdk.html
    b. AdFalcon Adpater for AdMob Mediation
        http://www.adfalcon.com/en/adapters.html
    c. AdMob SDK:
        iOS: https://developers.google.com/admob/ios/download
        android: https://developers.google.com/admob/android/download

3   Configure AdMob Mediation to Use AdFalcon

1) Open admob website http://apps.admob.com

2) Click on the **Monetize** tab

3) Select the app (which you planned to integrate with AdFalcon) from "All apps" in the left pane

4) After selecting the app, you will see a table listing the ad units of the app as below:

5) Go to Mediation column and click on sources' link for the elected ad unit, the
Mediation page will be displayed as below:
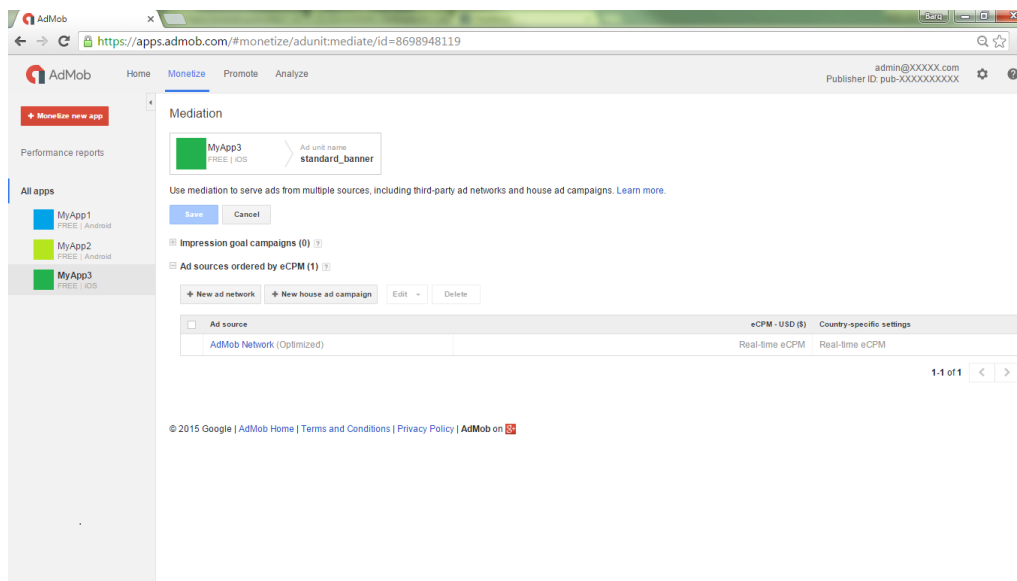
6) Click on "New ad network" button, a new page called "New ad networks" will be
displayed as below:
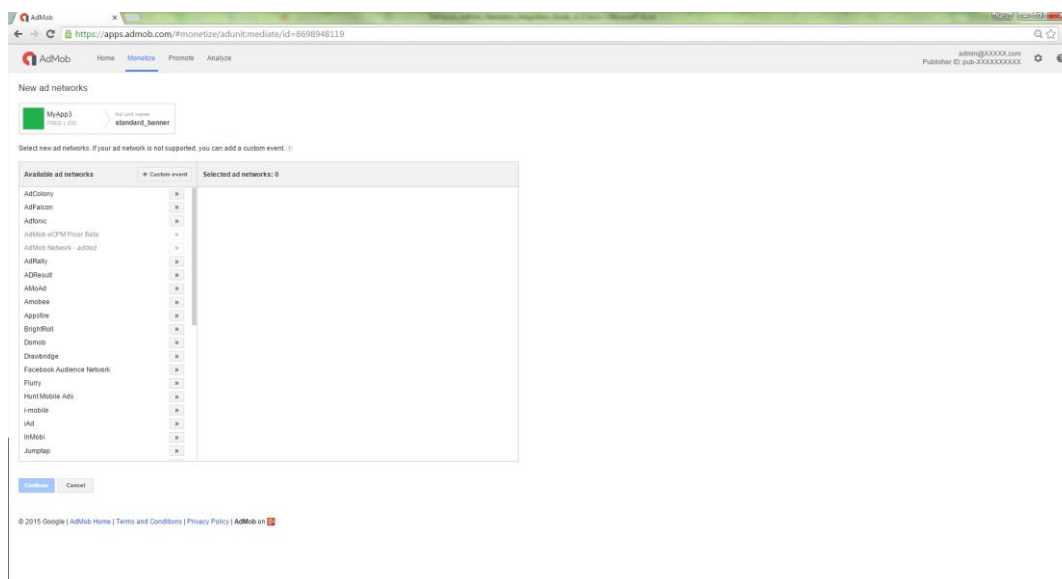
7) Select <u>AdFalcon</u> from "Available ad networks" column. AdFalcon form will be displayed
in the right pane as below:

8) fill your App/Site ID and Ad network optimization info, then click on "Continue" button to save your changes.

9) After the mediation settings were saved successfully, AdFalcon ads will start running via the mediation in few hours.

4   SDK Integration Steps

Android

This section illustrates how to integrate AdFalcon Android SDK with AdMob Mediation in your application's code.

- **Step 1: Add JARs**

  Add AdFalconAndroidSDK2.1.x.jar, gson-1.7.1.jar and adfalcon-android-adapter.jar to your application's Libs folder.

- **Step2: Configure manifest**
  - **Configure Application Permissions**

  Add the below permissions to your application **manifest.xml**

  o   Required permissions

  The below permissions are required to use the SDK.

  In case you do not enable them, the SDK will throw an exception to inform you that "INTERNET/ACCESS_NETWORK_STATE permissions must be enabled in AndroidManifest.xml".

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

  o   Recommended Permissions

  The below permissions are highly recommended as they allow highly interactive rich media ads.

  If you decide not to add any of the permissions below the AdFalcon SDK will continue to work yet some of the rich media ads' functions will be disabled.

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

  - **Add the SDK's Activities**

  Add the below activities to your AndroidManifest.

  ```
  <activity
          android:name="com.noqoush.adfalcon.android.sdk.ADFBrowser"
          android:configChanges="keyboard|keyboardHidden|orientation|uiMode|screenLayout|screenSize|smallestScreenSize">
  </activity>
  <activity
  ```

```
        android:name="com.noqoush.adfalcon.android.sdk.ADFActivity"
        android:configChanges=
"keyboard|keyboardHidden|orientation|uiMode|screenLayout|screenSize|smallestScreenSize"
        android:theme="@android:style/Theme.Translucent.NoTitleBar.Fullscreen" >
</activity>
<activity
        android:name="com.noqoush.adfalcon.android.sdk.ADFCanvas"
        android:configChanges=
"keyboard|keyboardHidden|orientation|uiMode|screenLayout|screenSize|smallestScreenSize"
        android:theme="@android:style/Theme.Translucent.NoTitleBar" >
</activity>
```

- **Configure Orientation Changes Handling**

  It is highy recommended to prevent the system from restarting your activity when the screen orientation changes. Add the below attribute to your activity tag:

```
android:configChanges=
"keyboard|keyboardHidden|orientation|uiMode|screenLayout|screenSize|smallestScreenSize"
```

  For more information please refer to
  http://developer.android.com/guide/topics/resources/runtime-changes.html

iOS

This section illustrates how to integrate AdFalcon iOS SDK with AdMob Mediation in your application's code.

- **Step 1: Add headers and library**
  1. Create a folder for AdFalconSDK in your project
  2. Right click at the folder and select from submenu <u>Add Files to "Project name"...</u>
  3. Navigate to AdFalcon iOS SDK Bundle folder (where the SDK files are stored)
  4. Select from the file pane the following headers and library:
     - **ADFAdView.h**
     - **ADFAdViewDelegate.h**
     - **ADFInterstitial.h**
     - **ADFInterstitialDelegate.h**
     - **ADFUserInfo.h**
     - **ADFTargetingParams.h**
     - **libAdFalconSDK3.0.0.a**
  5. Mark "Copy items into destination group's folder of needed" as checked then click Add
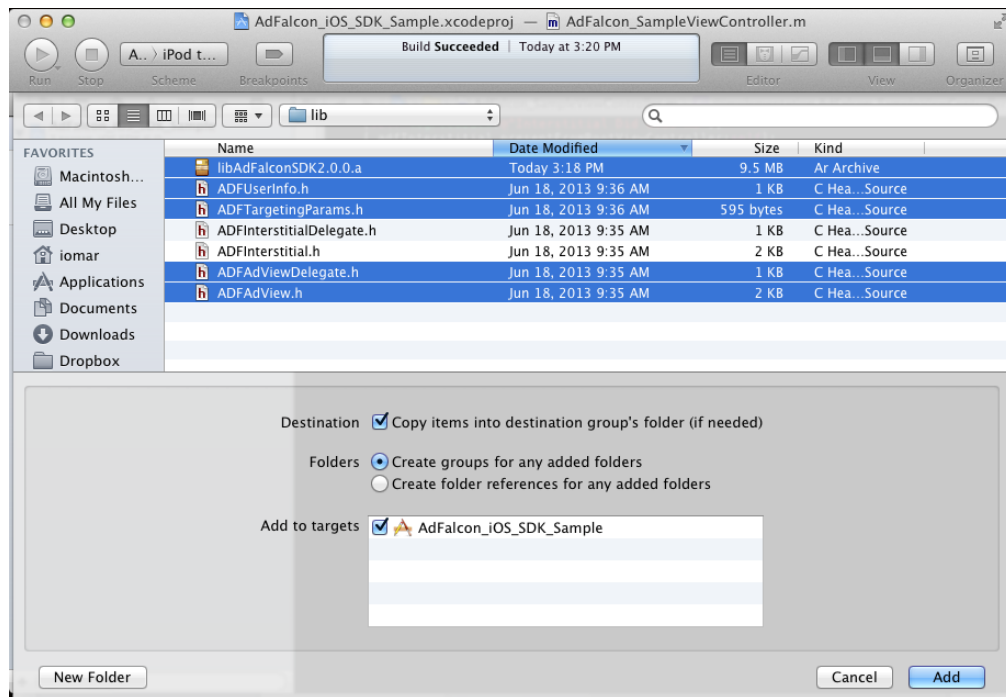
- **Step 2:** Add frameworks

You have to add the below frameworks to your project's target libraries

- QuartzCore.framework
- MediaPlayer.framework
- CoreGraphics.framework
- SystemConfiguration.framework
- CoreMedia.framework
- AVFoundation.framework
- CoreMotion.framework
- EventKit.framework
- EventKitUI.framework
- AdSupport.framework (Optional)
- StoreKit.framework (Optional)
- CoreTelephony.framework (Optional)

Note: *You have to mark (AdSupport, StoreKit and CoreTelephony) as 'optional' because they are just compatible with the iOS6 and above versions. In case you do not mark them as optional, your app will not run successfully in the older iOS versions (iOS4.x, iOS5.x).*
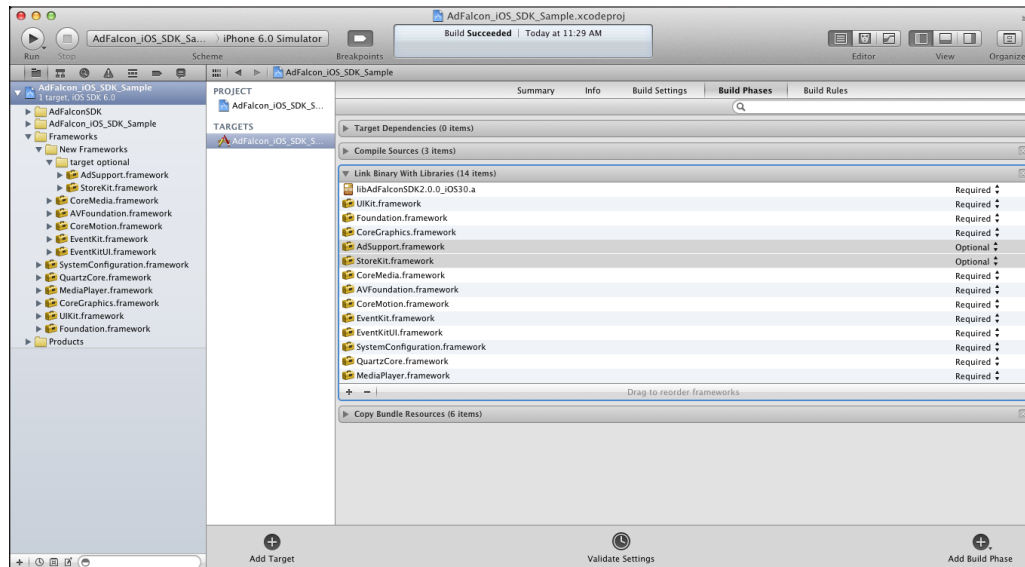
AdMob Meditation

Follow the instructions in the below link to add AdMob Mediation SDK to your Application.

- iOS: https://developers.google.com/admob/ios/mediation
- Android: https://developers.google.com/admob/android/mediation

For any technical instructions queries, please contact support@adfalcon.com