FLURRY

Flurry SDK
Android Upgrade Instructions

SDK version 4.x
Updated: 05/19/2014

Welcome to Flurry!

This file contains:

1. **Introduction**

Flurry Android SDK release versions 3.3.0 and later are modularized to allow our partners to select exactly the components they wish to integrate into their app. This will allow for more targeted updates and smaller distributions for partners that only integrate a subset of available Flurry services.

The Flurry Android Analytics library is required for any integration. You may optionally add on the Flurry Ads library. More information on these libraries are contained in their respective README documents, however a brief description follows:

- **Flurry Analytics** allows you to track the usage and behavior of your application on users' phones for viewing in the Flurry Developer Portal.
- **Flurry Advertising** allows you to earn revenue by offering App, Video, and Re-Engagement recommendations in your app. Supported integrations include banners, takeovers, and offerwalls.

2. Upgrade to 4.0.0

Upgrading from a version 3.3.x to 4.0.0 is a straightforward process that should take less than 10 minutes. If you are upgrading from version prior to 3.3.x and use ads, please first follow instructions in section 3 (upgrade to 3.3.0) and then return to this section.

Flurry Advertising SDK now uses the Android Advertising ID provided by Google Play Services and will check for and respect the user's ad tracking preference. For more information, please visit

Flurry Analytics

Upgrade using Android Studio:
1. Remove existing Flurry library jars from libs folder.
2. Add FlurryAnalytics4.0.0.jar to your project's libs folder.
3. Navigate to File -> Project Structure -> Module -> Dependencies.
4. Click the '+' button in the bottom of the 'Project Structure' popup to add dependencies.
5. Select 'File dependency' and add libs/FlurryAnalytics4.0.0.jar.
6. Add Google Play Services library. Please follow instructions in
   http://developer.android.com/google/play-services/setup.html#Setup
7. Add v4 support library (or greater). Please follow instructions in
   https://developer.android.com/tools/support-library/setup.html#add-library

Upgrade using Eclipse:
1. Remove any existing Flurry library jars from your project's lib folder. Also, remove all reference from the Build Path.
2. Add FlurryAnalytics4.0.0.jar to your project's libs folder. Right click on each JAR file and select **Build Path > Add to Build Path**.
3. Add Google Play Service library. Please follow instructions at
   http://developer.android.com/google/play-services/setup.html#Setup
4. Add v4 support library (or greater). Please follow instructions at
   https://developer.android.com/tools/support-library/setup.html#add-library

Flurry Ads

Upgrade using Android Studio:
1. Make sure to first follow steps for Flurry Analytics integration above. The Ads jar is dependent on the Analytics jar
2. Add FlurryAds4.0.0.jar to your project's libs folder.
3. Navigate to File -> Project Structure -> Module -> Dependencies.
4. Click the '+' button in the bottom of the 'Project Structure' popup to add dependencies.
5. Select 'File dependency' and add libs/FlurryAds4.0.0.jar.

Upgrade using Eclipse:
1. Make sure to first follow steps for Flurry Analytics integration above. The Ads jar is dependent on the Analytics jar
2. Add FlurryAds4.0.0.jar to your project's libs folder.
3. Right click on the Ads JAR file and select **Build Path > Add to Build Path**.

Upgrade to 4.0.0 for mediation of Google Mobile Ads (previously AdMob) Ads
1. AdMob is now Google Mobile Ads. The Google Play Services library automatically includes everything necessary for GMS to show ads. Any standalone AdMob library should be removed. Also, remove any reference to the AdMob library from the Build Path.
2. The Metadata and Activity have changed. Please remove all AdMob activities and metadata and add the following:
   `<activity`

```
            android:name="com.google.android.gms.ads.AdActivity"
            android:configChanges="keyboard|keyboardHidden|orientation|screenLayout|uiMode|screen
            Size|smallestScreenSize" />
    <meta-data
            android:name="com.flurry.gms.ads.MY_AD_UNIT_ID"
            android:value="@string/ffp_gms_ads_apikey" />
    <meta-data
            android:name="com.flurry.gms.ads.MYTEST_AD_DEVICE_ID"
            android:value="@string/ffp_gms_ads_testdevicekey" />
    <meta-data
            android:name="com.flurry.gms.ads.test"
            android:value="true" />
```

---

3. Upgrade to 3.3.x

Upgrading from a version 3.2.x to 3.3.0 is a straightforward process that should take less than 10 minutes. If you are upgrading from version prior to 3.2.x and use ads, please first follow instructions in section 3 (upgrade to 3.2.x) and then return to this section.

Flurry Analytics
1. Remove any existing Flurry library jars from your project's lib folder.
2. Add FlurryAnalytics3.3.x.jar to your project's libs folder.

Flurry Ads
Make sure to first follow steps for Flurry Analytics integration above. The Ads jar is dependent on the Analytics jar
Add FlurryAds3.3.x.jar to your project's libs folder.
If you have implemented a FlurryAdListener, add the onRendered method:

```java
public class MyAdListener implements FlurryAdListener {

.....

@Override
public void onRendered(String adSpaceName)
{
    // Handle rendered
}
```

---

4. Upgrade to 3.2.x

Flurry SDK releases prior to 3.2.0 included the advertising related APIs under the class FlurryAgent. Starting with version 3.2.0, advertising related methods are grouped under a new class called FlurryAds.

If you are upgrading from a previous version of the SDK, you will encounter compilation errors from javac (or Eclipse).

To fix these, at each instance of an error, simply replace references to FlurryAgent with FlurryAds.

Code example

Here's a simple diff after upgrading to v3.2.x of the SDK from a version that pre-dates v3.2.0:

```
public class Example extends Activity implements FlurryAdListener {
      FrameLayout mBanner;
      public void onCreate(Bundle bundle) {
            super.onCreate(bundle);
            setContentView(R.layout.example);
            mBanner = (FrameLayout)findViewById(R.id.banner);
-           FlurryAgent.setAdListener(this);
+           FlurryAds.setAdListener(this);
      }
      public void onStart() {
            super.onStart();
            FlurryAgent.onStartSession(this, mApiKey);
-           FlurryAgent.fetchAd(this, mAdSpaceName, mBanner, BANNER_BOTTOM);
+           FlurryAds.fetchAd(this, mAdSpaceName, mBanner, BANNER_BOTTOM);
      }
      public void spaceDidReceiveAd(String adSpace) {
-           FlurryAgent.displayAd(this, mAdSpaceName, mBanner);
+           FlurryAds.displayAd(this, mAdSpaceName, mBanner);
      }
      public void onStop() {
            super.onStop();
            FlurryAgent.onEndSession(this);
      }
}
```

Please let us know if you have any questions. If you need any help, just email support@flurry.com!