**Release notes Android Sdk 4.0**

# SDK supports now Admob Admediation

# SDK support with moat

**NOTE: Please verify your build tools are updated to 23 sdk platform.**

**buildToolsVersion "23.0.2"**

**New method introduced testmode which shows admob testads**

**isTestMode(boolean enableTestMode,deviceID)**

**Implementation**

1. Create a New project in Android studio

2. Import linonesdkandroid aar as a aar module in your project

3. In your app module gradle file copy and paste this line:-

*compile project(':linonesdkandroid')*

4. Import Support-Analytics.aar as a aar module in your project

*compile project(':Support-Analytics')*

Also add support libraries

*compile 'com.google.code.gson:gson:2.4'*

*compile 'com.google.android.gms:play-services:8.3.0'*

*compile 'com.android.support:support-v4:23.1.1'*

*compile 'org.jbundle.util.osgi.wrapped:org.jbundle.util.osgi.wrapped.org.apache.http.client:4.1.2'*

write below permissions in manifest

*<!-- Include required permissions for Google Mobile Ads to run -->*

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

*<uses-permission android:name="android.permission.ACCESS\_NETWORK\_STATE" />*

*<uses-permission android:name="android.permission.ACCESS\_WIFI\_STATE" />*

*<uses-permission android:name="android.permission.READ\_PHONE\_STATE" />*

*<uses-permission android:name="android.permission.GET\_ACCOUNTS" />*

*<uses-permission android:name="android.permission.ACCESS\_COARSE\_LOCATION" />*

*<uses-permission android:name="android.permission.ACCESS\_FINE\_LOCATION" />*

*<service*

*android:name="com.mediaagility.linonesdkandroid.LinSdkService"*

*android:exported="false" />*

*<meta-data*

*android:name="com.google.android.gms.version"*

*android:value="@integer/google\_play\_services\_version" />*

*<activity*

*android:name="com.google.android.gms.ads.AdActivity"*

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

*android:theme="@android:style/Theme.Translucent" />*

Calls that will made by developer to sdk

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

linOneBanner= new LinOneBanner(this, "lin-gf-xxxxxxxxxxxxxxxx");

// true for test ads

**linOneBanner.isTestMode(true,”deviceId”);**

adLayout=(RelativeLayout) findViewById(R.id.adLayout);

//set partner adunitid

linOneBanner.setAdUnitId(this, "/5678/lin.mobile/xxxxxxxxx");

adSize = new AdSize(300, 250);

linOneBanner.showAd(adSize);

adLayout.addView(linOneBanner);

}

@Override

protected void onResume() {

linOneBanner.resume();

super.onResume();

}

@Override

protected void onPause() {

linOneBanner.pause();

super.onPause();

}

**// Function to get deviceId**

*private String* ***getDeviceID****(Context context) {*

*String android\_id = Settings.Secure.getString(MainActivity.this.getContentResolver(), Settings.Secure.ANDROID\_ID);*

*String deviceId = MD5(android\_id).toUpperCase();*

*return deviceId ;*

*}*

*public String MD5(String md5) {*

*try {*

*java.security.MessageDigest md = java.security.MessageDigest*

*.getInstance("MD5");*

*byte[] array = md.digest(md5.getBytes());*

*StringBuffer sb = new StringBuffer();*

*for (int i = 0; i < array.length; ++i) {*

*sb.append(Integer.toHexString((array[i] & 0xFF) | 0x100)*

*.substring(1, 3));*

*}*

*return sb.toString();*

*} catch (java.security.NoSuchAlgorithmException e) {*

*}*

*return null;*

*}*

**In Xml layout file**

<RelativeLayout

android:id="@+id/adLayout"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_alignParentBottom="true"

android:gravity="center" >

</RelativeLayout>