Gideros Guide for MoPub Plugin

Get MoPub SDK from **https://github.com/mopub/mopub-client**

The MoPub Android SDK is a library project located in the Android/mopub-android-sdk folder.

1. Import the mopub-android-sdk library project into your workspace by clicking **File > Import...** and choosing**Existing Projects into Workspace**.

2. Click **Browse...** and select the Android/mopub-android-sdk folder. Then, click **Finish**.

3. In the Eclipse **Package Explorer**, right-click your project folder and select **Properties**.

4. Choose **Android** from the sidebar.

5. Click **Add...** under the **Library** section, and select the mopub-android-sdk project.

Copy files to the respective directory on exported Gideros project.

Copy ***<Gideros Installation Directory>\Sdk\include*** to ***jni\sdk\include***

Create **Android.mk** file in ***jni*** directory and write the following:

```
LOCAL_PATH := $(call my-dir)

#
# Gideros Shared Library
#
include $(CLEAR_VARS)

LOCAL_MODULE            := gideros
LOCAL_SRC_FILES         := ../libs/$(TARGET_ARCH_ABI)/libgideros.so

include $(PREBUILT_SHARED_LIBRARY)

#
# Lua Socket Library
#
include $(CLEAR_VARS)

LOCAL_MODULE            := luasocket
LOCAL_SRC_FILES         := ../libs/$(TARGET_ARCH_ABI)/libluasocket.so

include $(PREBUILT_SHARED_LIBRARY)

#
# Lua File System Library
#
include $(CLEAR_VARS)

LOCAL_MODULE            := lfs
```

```
LOCAL_SRC_FILES          := ../libs/$(TARGET_ARCH_ABI)/liblfs.so

include $(PREBUILT_SHARED_LIBRARY)
```

Add the following to **Android.mk** file

```
#
# MoPub Plugin
#
include $(CLEAR_VARS)

LOCAL_MODULE            := mopub
LOCAL_ARM_MODE          := arm
LOCAL_CFLAGS            := -O2
LOCAL_C_INCLUDES        += $(LOCAL_PATH)/sdk/include
LOCAL_SRC_FILES         := mopub/mopub.cpp mopub/mopub.cpp
LOCAL_LDLIBS            := -ldl -llog
LOCAL_SHARED_LIBRARIES := gideros

include $(BUILD_SHARED_LIBRARY)
```

Add the following changes in your **AndroidManifest.xml** under **manifest** tag. Replace PACKAGE_NAME with the package name for your application.

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

Add the following changes in your **AndroidManifest.xml** under **application** tag

```
<activity android:name="com.mopub.mobileads.MoPubActivity"
android:configChanges="keyboardHidden|orientation"/>

<activity android:name="com.mopub.mobileads.MraidActivity"
android:configChanges="keyboardHidden|orientation"/>

<activity android:name="com.mopub.mobileads.MraidBrowser"
android:configChanges="keyboardHidden|orientation"/>
```

 Now modify the main activity of your Gideros project. Add following import statement:

```
import com.nightspade.gideros.android.plugins.mopub.GMoPub;
```

Add:

```
System.loadLibrary("mopub");
```

just right after :

```
System.loadLibrary("gideros");
```

```
System.loadLibrary("luasocket");
System.loadLibrary("lfs");
```

And add Plugin class inside externalClasses like that:

```
static private String[] externalClasses = {
    "com.nightspade.gideros.android.plugins.mopub.GMoPub "};
```

In **onCreate** method, change **setContentView(mGLView);** to

```
setContentView(R.layout.main);
FrameLayout layout = (FrameLayout)findViewById(R.id.viewport);
layout.addView(mGLView);
```