



StartApp SDK Integration

StartApp Android SDK ver 1.7

September 2012



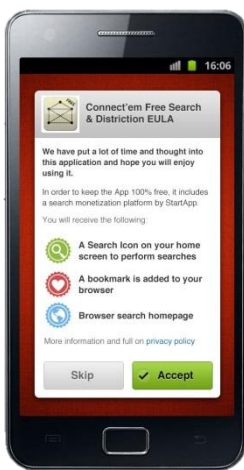


Introduction

This document will guide you through the integration process of the StartApp SDK. StartApp introduced a revolutionary pay-per-download model, guaranteeing a fixed payment **for every download** of your app.

You can stay up-to-date with your daily downloads and revenue by logging in to your developer account on the StartApp portal: <http://developer.startapp.com>

Once an integrated app is launched, the user will be presented with a EULA:



If the user chooses to accept, they will receive:

- A search icon on their homescreen
- A bookmark entry (full integration only)
- Browser homepage

Requirements

This SDK is designed to work across all Android devices. It supports all versions but activates only on Android OS 2.1 and above. In lower versions, the SDK won't be active.

SDK integration steps

Integrating the StartApp SDK into your App in three simple steps:

1. Add the SDK JAR to your Eclipse project
2. Add a service definition, permissions and StartApp-Ids to your manifest
3. Import the Android SDK class and call a static method in your main activity

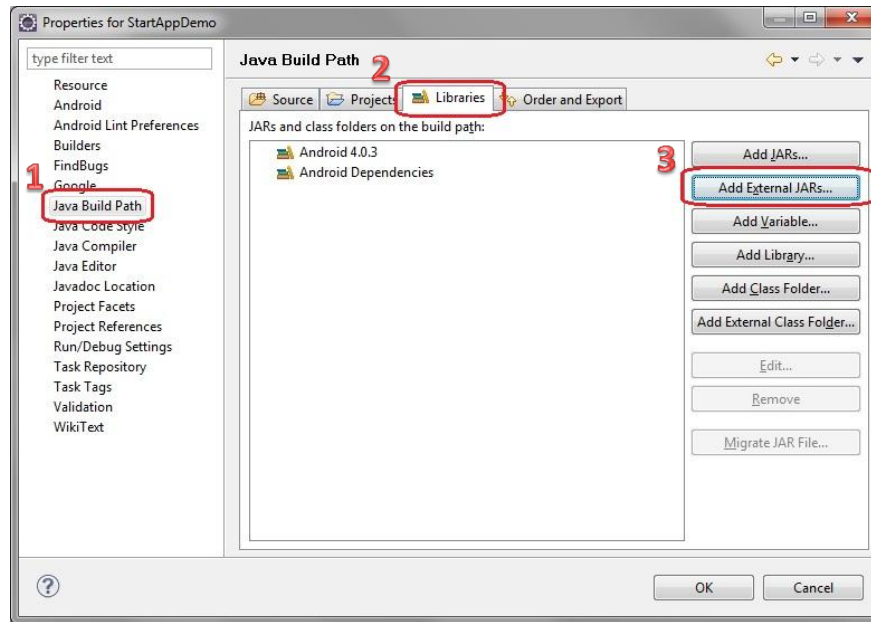
This SDK version is compliant with all of Google's Content Policy requirements, as published on July 31, 2012.



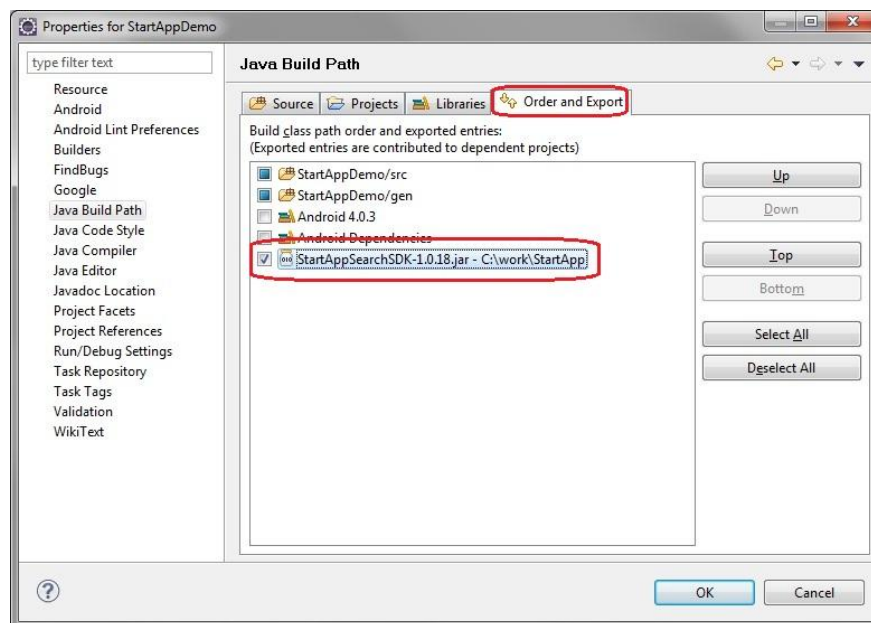
1. Adding the SDK JAR

- a. Right click on your app project in Eclipse and choose **Properties**.
- b. To add the StartApp JAR Select:

(1) **Java Build Path** and the (2) **Libraries** tab, click (3) **Add External JARs...**



- c. Go to **Order and Export** tab and make sure that the AndroidSDKService is checked.





2. Update the Manifest file

- a. Under the **main** manifest tag, add the following permissions:

```
<uses-permission android:name="android.permission.INTERNET"/>
<uses-permission android:name="android.permission.ACCESS_WIFI_STATE"/>
<uses-permission android:name="android.permission.READ_PHONE_STATE"/>
<uses-permission android:name="com.android.browser.permission.WRITE_HISTORY_BOOKMARKS"/>
<uses-permission android:name="com.android.browser.permission.READ_HISTORY_BOOKMARKS"/>
<uses-permission android:name="com.android.launcher.permission.INSTALL_SHORTCUT"/>
<uses-permission android:name="com.android.launcher.permission.UNINSTALL_SHORTCUT"/>
<uses-permission android:name="com.android.launcher.permission.READ_SETTINGS"/>
<uses-permission android:name="com.htc.launcher.permission.READ_SETTINGS"/>
<uses-permission android:name="com.motorola.launcher.permission.READ_SETTINGS"/>
<uses-permission android:name="com.motorola.dlauncher.permission.READ_SETTINGS"/>
<uses-permission android:name="com.fede.launcher.permission.READ_SETTINGS"/>
<uses-permission android:name="com.lge.launcher.permission.READ_SETTINGS"/>
<uses-permission android:name="org.adw.launcher.permission.READ_SETTINGS"/>
<uses-permission android:name="com.motorola.launcher.permission.INSTALL_SHORTCUT"/>
<uses-permission android:name="com.motorola.dlauncher.permission.INSTALL_SHORTCUT"/>
<uses-permission android:name="com.lge.launcher.permission.INSTALL_SHORTCUT"/>
<uses-permission android:name="com.android.browser.permission.WRITE_HISTORY_BOOKMARKS"/>
<uses-permission android:name="com.android.browser.permission.READ_HISTORY_BOOKMARKS"/>
```

Important : if you choose "partial integration", remove the following permissions –

```
<uses-permission android:name="com.android.browser.permission.WRITE_HISTORY_BOOKMARKS"/>
<uses-permission android:name="com.android.browser.permission.READ_HISTORY_BOOKMARKS"/>
```

- b. Under the **application** node:

- Add a new service:

```
<service android:enabled="true"
android:name="com.apperhand.device.android.AndroidSDKProvider"/>
```

- Add a new activity tag:

```
<activity android:name="com.apperhand.device.android.EULAActivity"
android:theme="@android:style/Theme.Translucent"
android:configChanges="keyboard|keyboardHidden|orientation" />
```

- Add your developer ID and app ID

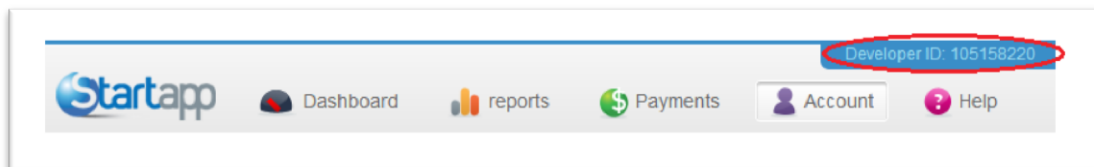
```
<meta-data android:name="com.startapp.android.DEV_ID" android:value=
"<Your Developer ID>"/>
<meta-data android:name="com.startapp.android.APP_ID" android:value=
"<Your App ID>"/>
```




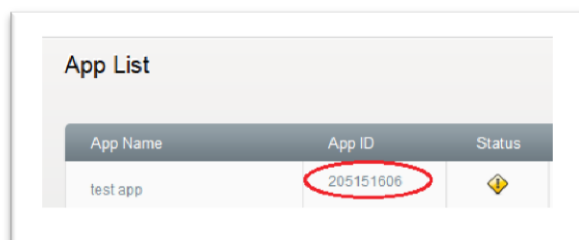


You can find your IDs on the developers portal:
<http://developers.startapp.com>

After logging in, you will find your developer ID at the top right-hand corner of the page:



To find your application ID, click on  Dashboard and then choose the relevant ID from your app list:



3. Add to Code

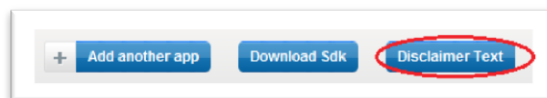
- Go to your main class activity (the one which has `android.intent.action.MAIN` marked in the manifest) and import the SDK package in `import com.apperhand.device.android.AndroidSDKProvider;`
- call the static function in the beginning of the 'onCreate' function of that activity:

`AndroidSDKProvider.initSDK(this);`

You're Done!

You can now upload the integrated app to the play store, but please don't forget to add the StartApp disclaimer text to your app's description.

This can be found on the developer's portal: <http://developer.startapp.com>



If you have any questions, contact us via support@startapp.com.





Appendices

1. Obfuscation (optional)

The StartApp SDK is already obfuscated. If you choose to obfuscate your App by using proguard, use the following configuration in the proguard.cfg:

```
-optimizations !code/simplification/arithmetic,!field/*,!class/merging/*
-keep class com.apperhand.common.** {
    *;
}
-keep class com.apperhand.device.android.EULAActivity$EulaJsInterface {
    *;
}
-keep class com.google.mygson.** {
    *;
}
-keepattributes Exceptions, InnerClasses, Signature, Deprecated, SourceFile,
LineNumberTable, *Annotation*, EnclosingMethod
```

2. Presenting EULA (End User License Agreement)

The StartApp SDK includes a EULA dialog presented to the user with information on all the device actions followed acceptance of the EULA. The EULA procedure is agnostic to the application functionality.

If the application already has a EULA in place it is possible to omit the StartApp EULA process. In order to do so, contact your account manager or send email with details to: support@startapp.com

