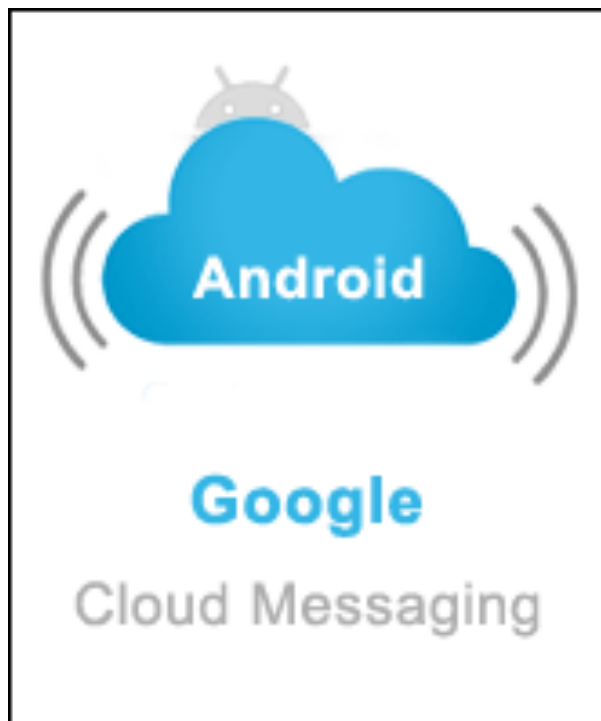# Android Push Notification with Pebble smart watch integration component Documentation

By

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Dependency

Include google-play-services_lib project from sdk/extras/google/google_play_service/libprojects.
Otherwise code will not compile.

Permissions for manifest file (Change package name accordingly)

```xml
<uses-permission android:name="android.permission.INTERNET" />
    <uses-permission android:name="android.permission.GET_ACCOUNTS" />
    <uses-permission android:name="android.permission.WAKE_LOCK" />
    <uses-permission android:name="com.google.android.c2dm.permission.RECEIVE" />

    <permission
android:name="com.tumitfahrer_pushnotification.permission.C2D_MESSAGE"
        android:protectionLevel="signature" />
    <uses-permission
android:name="com.tumitfahrer_pushnotification.permission.C2D_MESSAGE" />
```

Broadcast receiver and service (Change package name accordingly)

```xml
<receiver
            android:name="com.tumitfahrer_pushnotification.GcmBroadcastReceiver"
            android:permission="com.google.android.c2dm.permission.SEND" >
            <intent-filter>
                <action android:name="com.google.android.c2dm.intent.RECEIVE" />
                <category android:name="com.tumitfahrer_pushnotification" />
            </intent-filter>
        </receiver>
        <service android:name="com.tumitfahrer_pushnotification.GcmIntentService" />
```

String values

```xml
<!-- Push Notification / Pebble Contants -->
    <string name="deviceNotSupported">This device is not supported.</string>
    <string name="googlePlayServiceNotFound">No valid Google Play Services APK
found.</string>

    <!-- Notification Engine Strings -->
    <string name="messageTitle">TUMitfahrer</string>
```

Files and details

GcmBroadcastReceiver.java

Broadcast receiver that runs service when push notification received

GcmIntentService.java

Intent service that sends notification to device notification drawer and any extra notification needs to be sent on any other device

PebbleNotifications.java

An instance of "Extra attached" device. Any number of other devices can be added this way.

PushNotificationHelper.java

Brain of the GCM device registration process. It handles all the background working and gives registration id back after successfully registering device with play services.

PushNotificationInterface.java

In order to use PushNotification helper, you need to implement this interface in the activity. When registration is complete, PushNotification helper will call this interface function in the activity and provide registered Id.

MainActivity.java

Gives an example of How to use PushNotificationHelper class.

TODOs

All TODOs are commented in the files so they should be available in eclipse console as well. Here is a brief summary.

1. Change the project number in Helper class as it is for the staging. Also provide me the API key when you use the production one as I need to use the same at server end.
2. Change app logo icon in the GcmIntentService. Currently it is default android launcher icon
3. Change Activity Name in the `GcmIntentService` on which app will be redirected when push notification is clicked in the notification bar.