Guide for Generating Google Maps Android V2 API Key

Pre-requisite

A valid Google account.

Step 1 - Creating API Project

1. Login to your Google account and go to Google APIs Console https://code.google.com/apis/console.
2. Click **Create Project** if you have not used Google APIs console before.
3. In your project page, click on APIs link on the left panel.

4. In the list of services displayed, scroll down until you see Google Maps Android API V2 and turn on the service by sliding the switch indicator to on.
5. Agree the terms of services and you are all set.

For more details, please visit
https://developers.google.com/maps/documentation/android/start#get_an_android_certificate_and_the_google_maps_api_key

Step 2 - Displaying a SHA-1 fingerprint

By default, the debug certificate file, debug.keystore is located at

OS X and Linux: ~/.android/

Windows Vista and Windows 7: C:\Users\your_user_name\.android\

List the SHA-1 fingerprint

For Linux , open a terminal and run the following command

keytool -list -v -keystore ~/.android/debug.keystore -alias androiddebugkey -storepass android -keypass android

For Windows user,

keytool -list -v -keystore "%USERPROFILE%\.android\debug.keystore" -alias androiddebugkey -storepass android -keypass android

For more details, please visit
https://developers.google.com/maps/documentation/android/start#get_an_android_certificate_and_the_google_maps_api_key

Step 3 - Obtaining a Google Maps API Key

1. Navigate to your project you created in Step 1 in Google APIs Console
2. Ensure that "Google Maps Android API V2" is set to "on" in your services page.
3. Click API access and click "Create New Android Key"
4. Enter the SHA-1 finger print and then your application's package name.
5. Google APIs console responds by displaying **Key for Android Apps(with certificates)** followed by a forty-character API key.

For more details, please visit
https://developers.google.com/maps/documentation/android/start#get_an_android_certificate_and_the_google_maps_api_key

Step 4 - Adding API key to the application

Add the following element as a child of <application> element in the AndroidManifest.xml file and replace API_KEY with your key.

```
<meta-data
android:name="com.google.android.maps.v2.API_KEY"
android:value="API_KEY"/>
```

Save the file and re-build the application.
For more details, please visit
https://developers.google.com/maps/documentation/android/start#get_an_android_certificate_and_t he_google_maps_api_key