Google Maps Android

API v2

Google Play Services

- En el proyecto que se vaya a usar Google Maps se debe importar la librería de Google Play Services.

https://code.google.com/apis/console/

Start using the Google APIs console
to manage your API usage

Creating an **APIs project** will let you:

- **Use** Google APIs **beyond anonymous limits**.
- **Monitor** API usage and **control** API access.
- **Share** API management with a team.

Create project...

Code Home - Privacy Policy

Google Maps Android API v2

Google Contacts CardDAV API — OFF

Google Maps Android API v2 — OFF

Google Maps API v3 — OFF

Google Maps Coordinate API — OFF

Google Maps Engine API — OFF

NAME	STATUS
Google Maps Android API v2	ON

Credentials – Create new key

< **API Project**

Overview

APIs & auth

  APIs

  Credentials

  Consent screen

  Push

Permissions

Settings

Support

Compute Engine

Cloud Storage

Welcome to t

OAuth

OAuth 2.0 allows users to share specific data with you (for example, contact lists) while keeping their usernames, passwords, and other information private.
Learn more
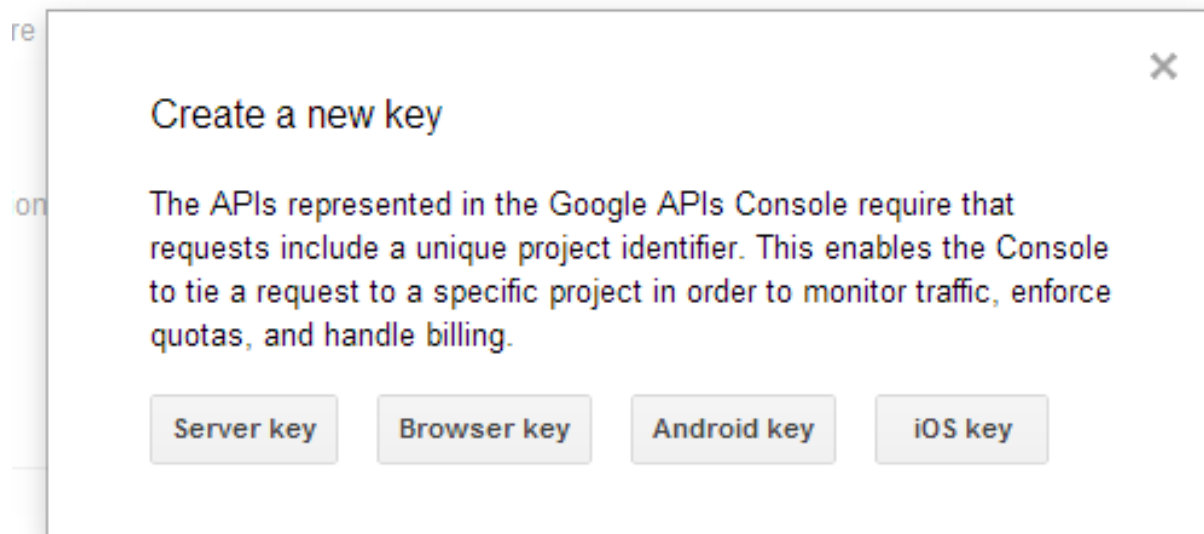
CREATE NEW CLIENT ID

Public API access

Use of this key does not require any user action or consent, does not grant access to any account information, and is not used for authorization.
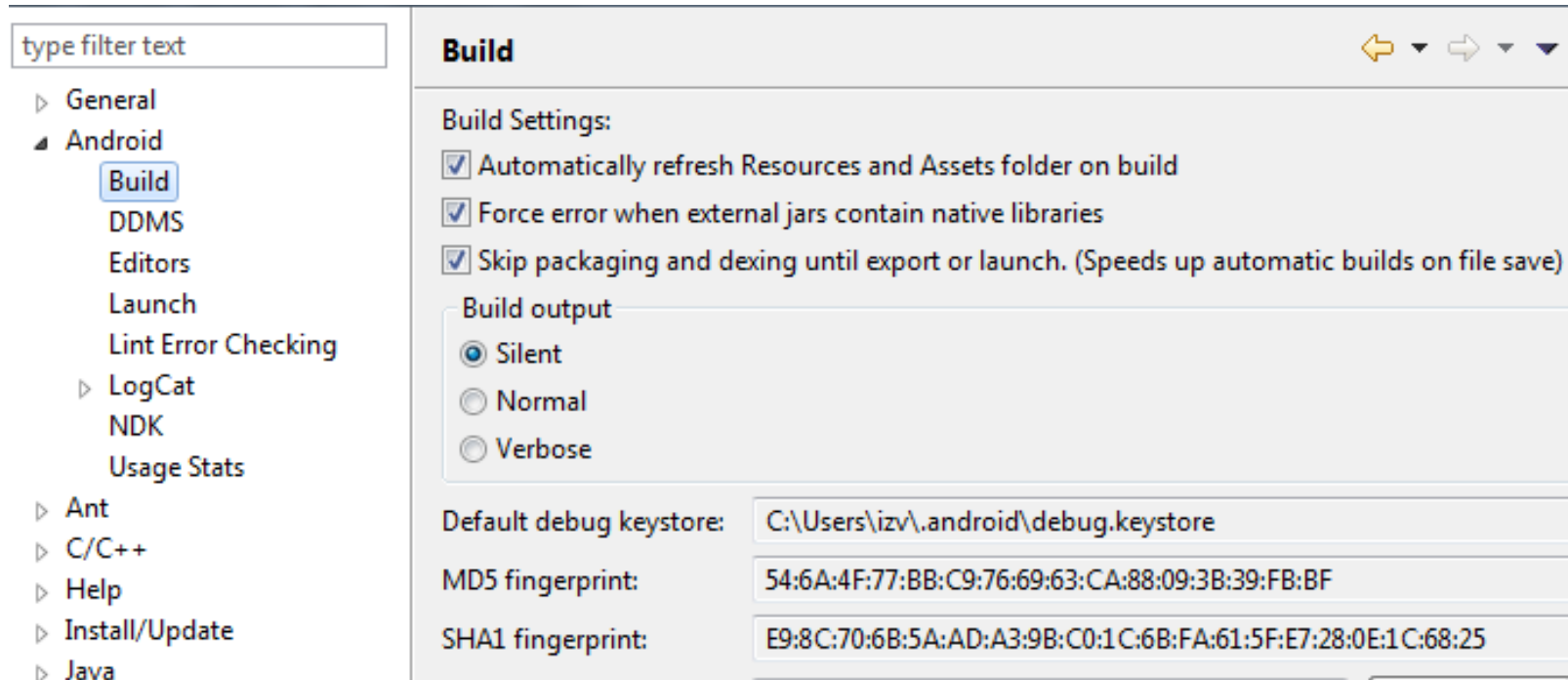Learn more

CREATE NEW KEY

Android key

SHA1 fingerprint

Window > Preferences > Android > Build
o **keytool –v –list –keystore certificado**

Fingerprint y paquete

Create an Android key and configure allowed Android applications

This key can be deployed in your Android application.
API requests are sent directly to Google from your client Android device. Google verifies that each
request originates from an Android application that matches one of the certificate SHA1 fingerprints and
package names listed below. You can discover the SHA1 fingerprint of your developer certificate using
the following command:

```
keytool -list -v -keystore mystore.keystore
```

Learn more

**Accept requests from an Android application with one of the certificate fingerprints and
package names listed below**
One SHA1 certificate fingerprint and package name (separated by a semicolon) per line. Example:
45:B5:E4:6F:36:AD:0A:98:94:B4:02:66:2B:12:17:F2:56:26:A0:E0;com.example

```
E9:8C:70:6B:5A:AD:A3:9B:C0:1C:6B:FA:61:5F:E7:28:0E:1C:68:25;com.izv.mapas
```

Create   Cancel

API Key

Key for Android applications

API key	AIzaSyCNeoc0EEbm_E7uWpMG0~~...~~
Android applications	E9:8C:70:6B:5A:AD:A3:9B:C0:1C:6B:FA:61:5F:E7:28:0E:1C:68:25;com.izv.mapas
Activation date	Feb 10, 2014 12:40 AM
Activated by	~~...~~@gmail.com (you)

[Edit allowed Android applications] [Regenerate key] [Delete]

Manifiesto

```xml
<uses-permission android:name="android.permission.INTERNET"/>
<uses-permission android:name="android.permission.ACCESS_NETWORK_STATE"/>
<uses-permission android:name="android.permission.WRITE_EXTERNAL_STORAGE"/>
<uses-permission android:name=

"com.google.android.providers.gsf.permission.READ_GSERVICES"/>
<uses-permission android:name="android.permission.ACCESS_COARSE_LOCATION"/>
<uses-permission android:name="android.permission.ACCESS_FINE_LOCATION"/>
<uses-feature android:glEsVersion="0x00020000"
   android:required=   "/>
```

Manifiesto – Application

```
<meta-data
android:name="com.google.android.gms.version"
android:value="@integer/google_play_services_version" />
<meta-data
android:name="com.google.android.maps.v2.API_KEY"
android:value="AIzaSyCNeoc0EEbm_E7uWpM…U"/>
```

Layout

```
<?xml version="1.0" encoding="utf-8"?>
<fragment
    xmlns:android="http://schemas.android.com/apk/res/android"
    android:id="@+id/map"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    class="com.google.android.gms.maps.SupportMapFragment"/>
```