

Mise en place d'un socle GCM

Trois grandes étapes à suivre :

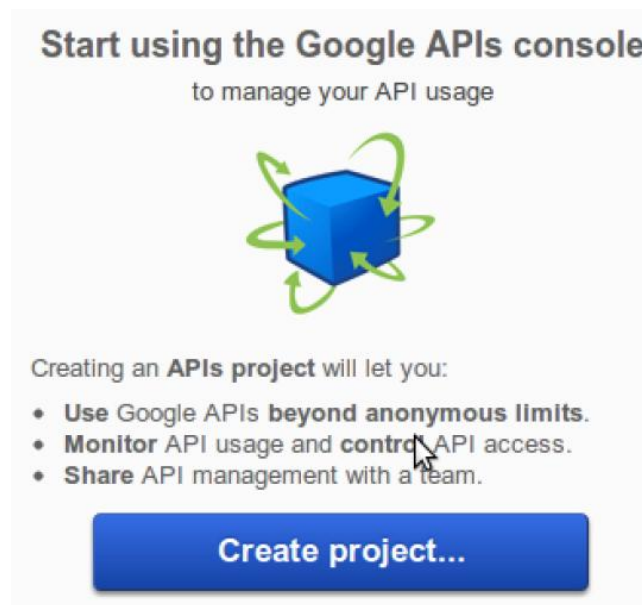
- 1) Création d'un google API project
- 2) Implémentation de la partie Serveur
- 3) Implémentation de l'appli cliente Android

1)Création d'un Google API Project

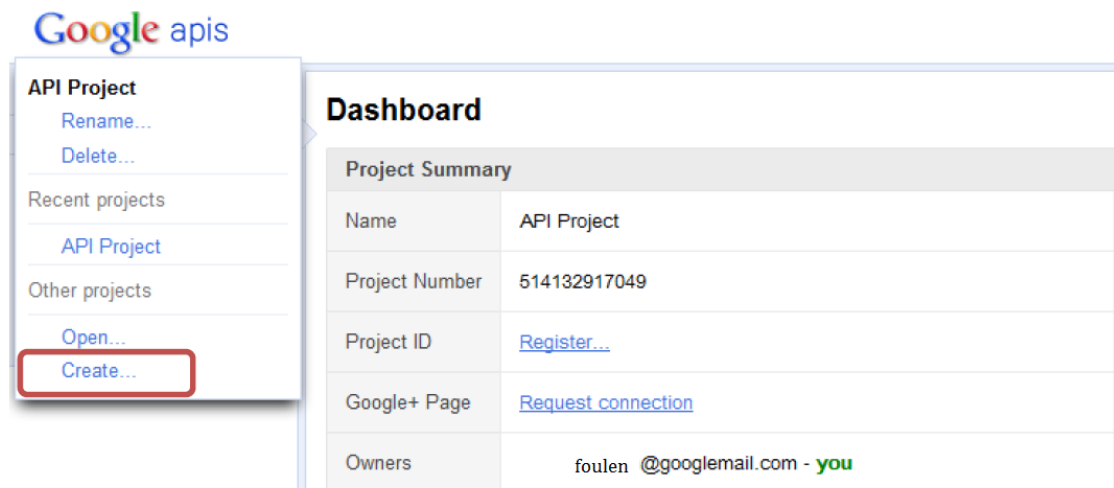
- 1- Accéder à la console google api

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

- 2- Si c'est la première fois que vous accédez à la console, vous aurez cette interface... donc créez un projet..



3- Si ce n'est pas le cas, vous aurez la Dashboard



The screenshot shows the Google APIs Dashboard. On the left, a sidebar menu has the 'Create...' option highlighted with a red rectangle. The main area displays the 'Dashboard' for a project named 'API Project'.

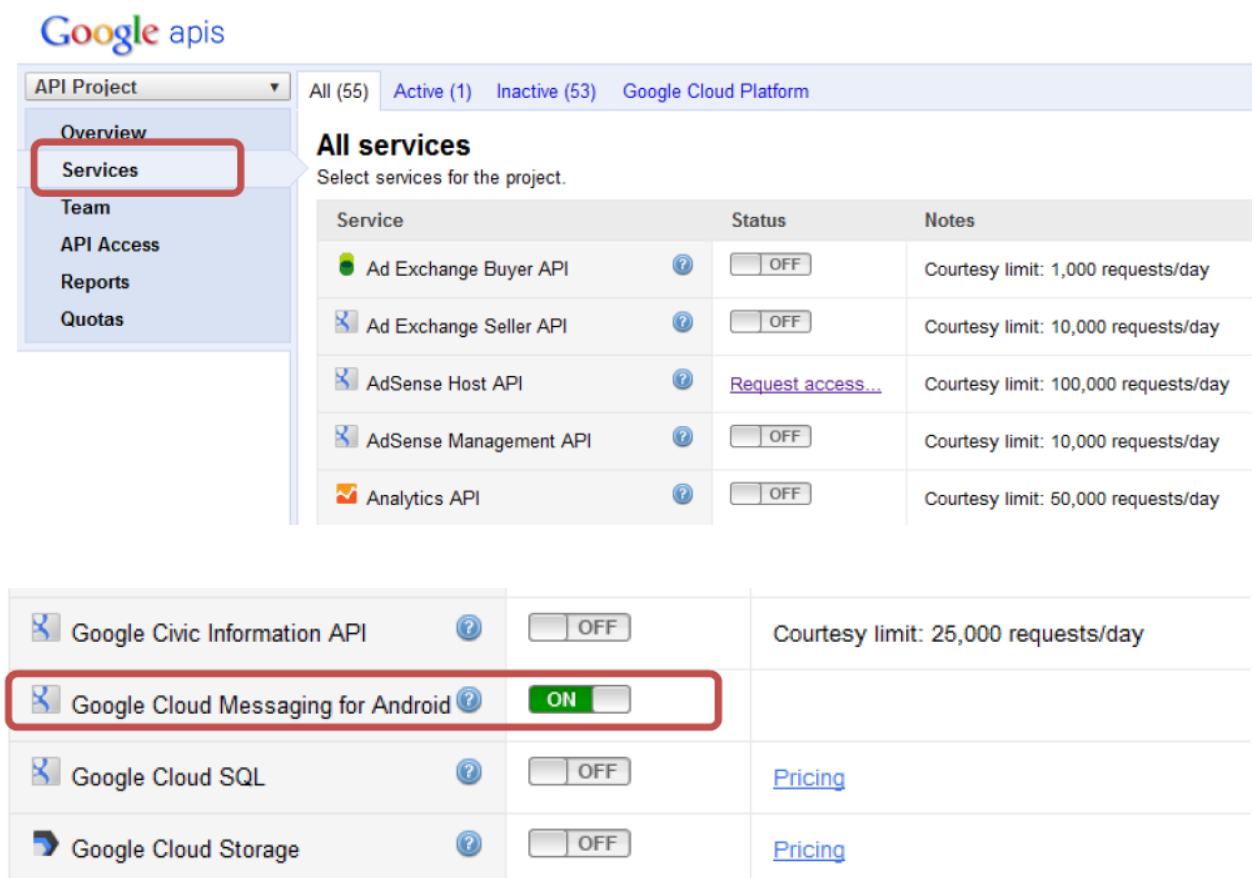
Project Summary	
Name	API Project
Project Number	514132917049
Project ID	Register...
Google+ Page	Request connection
Owners	foulen @googlemail.com - you

4- Après la création du projet, vous aurez en barre d'adresse une url comme celle là :

<https://code.google.com/apis/console/b/0/?noredirect#project:221061556750>

Votre project ID est : 221061556750

5- Activer le service GCM



The screenshot shows the 'All services' page in the Google APIs console. The 'Services' tab is selected in the left sidebar. A table lists various services, with 'Google Cloud Messaging for Android' highlighted by a red rectangle and its status set to 'ON'.

Service	Status	Notes
Ad Exchange Buyer API	OFF	Courtesy limit: 1,000 requests/day
Ad Exchange Seller API	OFF	Courtesy limit: 10,000 requests/day
AdSense Host API	Request access...	Courtesy limit: 100,000 requests/day
AdSense Management API	OFF	Courtesy limit: 10,000 requests/day
Analytics API	OFF	Courtesy limit: 50,000 requests/day
Google Civic Information API	OFF	Courtesy limit: 25,000 requests/day
Google Cloud Messaging for Android	ON	
Google Cloud SQL	OFF	Pricing
Google Cloud Storage	OFF	Pricing



Review terms of service

[Print](#)

Ad Exchange API and Protocol Terms of Service

Last modified: March 26, 2012

By using this API, you consent to be bound by these terms in addition to the Google APIs Terms of Service ("API ToS") at <http://developers.google.com/terms>.

Section 1: Security

You must use reasonable efforts to keep all Ad Exchange API data in a secure environment at all times according to commonly acceptable security standards for enterprise data, but in an environment at least as secure as that for your enterprise data. All transfer of CPM data using the Ad Exchange Real-Time Bidding Protocol must be secured using the Google-provided encryption library and implemented in accordance with instructions provided by Google.

☐ I agree to these terms.

6- Obtenir l'API key

You must sign up for [billing](#) before you will be able to create any buckets. [X](#)

Test2

Overview

Services

Team

API Access

Reports

Quotas

API Access

To prevent abuse, Google places limits on API requests. Using a valid OAuth token or API key allows you to exceed anonymous limits by connecting

Authorized API Access

OAuth 2.0 allows users to share specific data with you (for example, contact lists) while keeping their usernames, passwords, and other information private. A single project may contain up to 20 client IDs.

[Learn more](#)

Create an OAuth 2.0 client ID...

Simple API Access

Use API keys to identify your project when you do not need to access user data. [Learn more](#)

Create new Server key...

Create new Browser key...

Create new Android key...

Create new iOS key...

Configure Server Key for Test2

This key should be kept secret on your server.

Every API request is generated by software running on a machine that you control. Per-user limits will be enforced using the address found in each request's `userIp` parameter, (if specified). If the `userIp` parameter is missing, your machine's IP address will be used instead. [Learn more](#)

Accept requests from these server IP addresses:

Example: 192.168.12.0/23. One IP address or subnet per line.

Create

Cancel

Google apis

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Key for server apps (with IP locking)

API key:

AIZA5yCOKFHX0jHH5B2g3nQC3OtehulRdpl6vGc

IPs:

Any IP allowed

Activated on:

Mar 4, 2013 1:33 AM

Activated by:

ah.gamaleldin@gmail.com

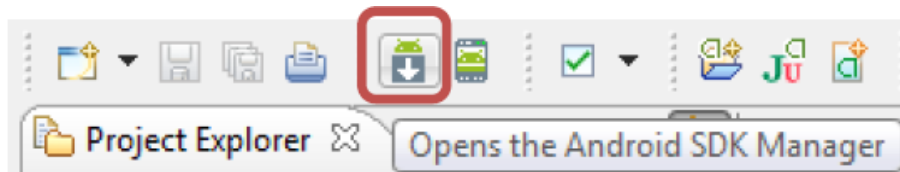
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Create new Browser key...

Create new Android key...

Create new iOS key...

7- Téléchargement de l'appli gcm demo, sera mise sous `YOUR_SDK_ROOT/extras/google/`



Packages				
	Name	API	Rev.	Status
▶	Android 4.0 (API 14)			
▶	Android 3.2 (API 13)			
▶	Android 3.1 (API 12)			
▲	Android 3.0 (API 11)			
<input type="checkbox"/>	SDK Platform	11	2	Installed
<input type="checkbox"/>	Samples for SDK	11	1	Installed
<input type="checkbox"/>	Google APIs	11	1	Installed
▲	Android 2.3.3 (API 10)			
<input type="checkbox"/>	SDK Platform	10	2	Installed
<input type="checkbox"/>	Samples for SDK	10	1	Installed
<input type="checkbox"/>	Intel x86 Atom System Image	10	1	Not installed
<input type="checkbox"/>	Google APIs	10	2	Installed
<input type="checkbox"/>	Intel Atom x86 System Image	10	1	Installed
▶	Android 2.2 (API 8)			
▶	Android 2.1 (API 7)			
▶	Android 1.6 (API 4)			
▶	Android 1.5 (API 3)			
▲	Extras			
<input type="checkbox"/>	Android Support Library		11	Update available: rev. 12
<input type="checkbox"/>	Google AdMob Ads SDK		9	Not installed
<input type="checkbox"/>	Google Analytics App Tracking SDK		2	Not installed
<input checked="" type="checkbox"/>	Google Cloud Messaging for Android Library		3	Installed
<input type="checkbox"/>	Google Play services		5	Not installed
<input type="checkbox"/>	Google Play APK Expansion Library		3	Not installed
<input type="checkbox"/>	Google Play Billing Library		4	Not installed
<input type="checkbox"/>	Google Play Licensing Library		2	Not installed
<input type="checkbox"/>	Google USB Driver		4	Update available: rev. 7

Implémentation de la partie Serveur et de l'appli client

Android : <http://www.zwawa.net/gcm.rar>

Référence :

<http://blog.xebia.fr/2013/01/28/google-cloud-messaging-presentation>

<http://www.androidhive.info/2012/10/android-push-notifications-using-google-cloud-messaging-gcm-php-and-mysql>

<http://java.dzone.com/articles/google-cloud-messaging-android>

<http://developer.android.com/google/gcm/index.html>