

# Google Indexing API

This "Google Indexing API" module allows any store owner to directly notify Google when pages are added, removed or updated. This allows Google to schedule pages for a fresh crawl, so the information in Google will be updated instantly.

By default, the store products are indexed by the sitemap. But waiting for Google crawler to refresh your products automatically can be a very slow process. Often certain information has a short expiry date and them staying in Google index is not useful. It is also very important to publish information faster than your competitors. With our module you will avoid such a problem.

## Why Google fast indexing is important

- Important for time-sensitive content (ex.: a promotion for the product was announced)
- Published information is faster than your competitors (also result is better rating)
- Always fresh information (as a result you get better quality traffic)
- Improve page rating with the latest and unique information (because you are the first)
- Sometimes Google loses links from sitemap, you will provide all links automatically when updating the products

## Module features

- Automatically notify Google when pages are added, removed or updated
- Automatically send request to Google for products indexing
- Automatically send request to Google for combinations indexing
- Send individual request by typing page link manually
- Select products languages (if you do not want to use all languages)
- Set daily quota how many requests you can send to Google Indexing service
- Get last actions log

## Install instruction

The installation of the module is very simple. Login to the Prestashop admin panel, click on "Modules" tab.

Then click the "Add a new module" link and upload the "Google Indexing API" module. After this just click the "Install" button and it is done.

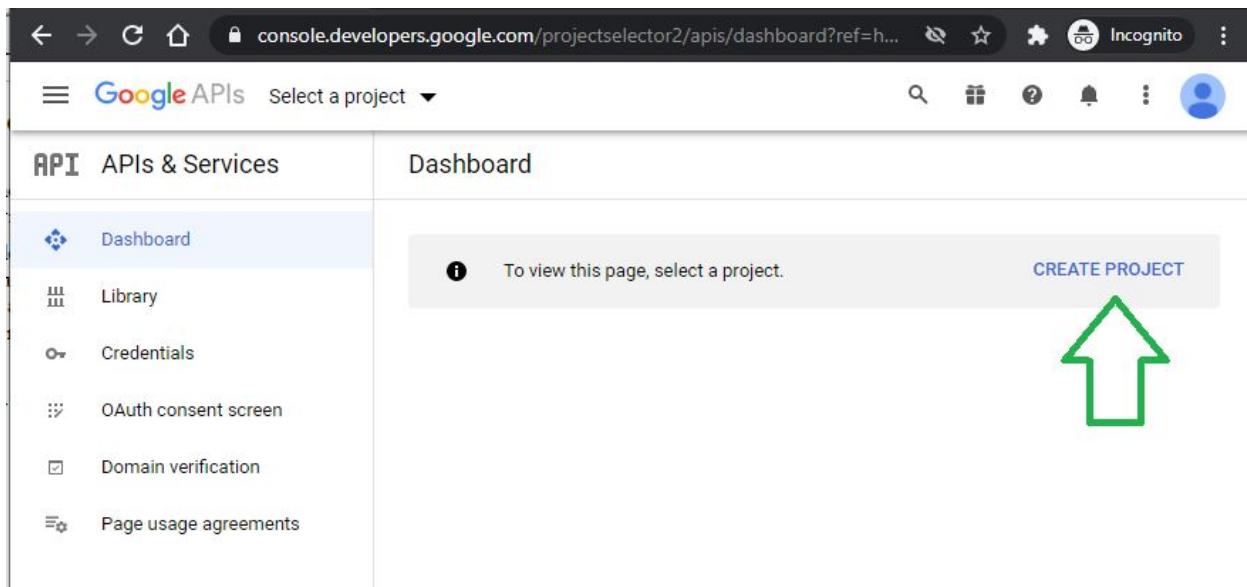
## Uninstall instruction

Just click the "uninstall" button in Prestashop admin panel / modules.

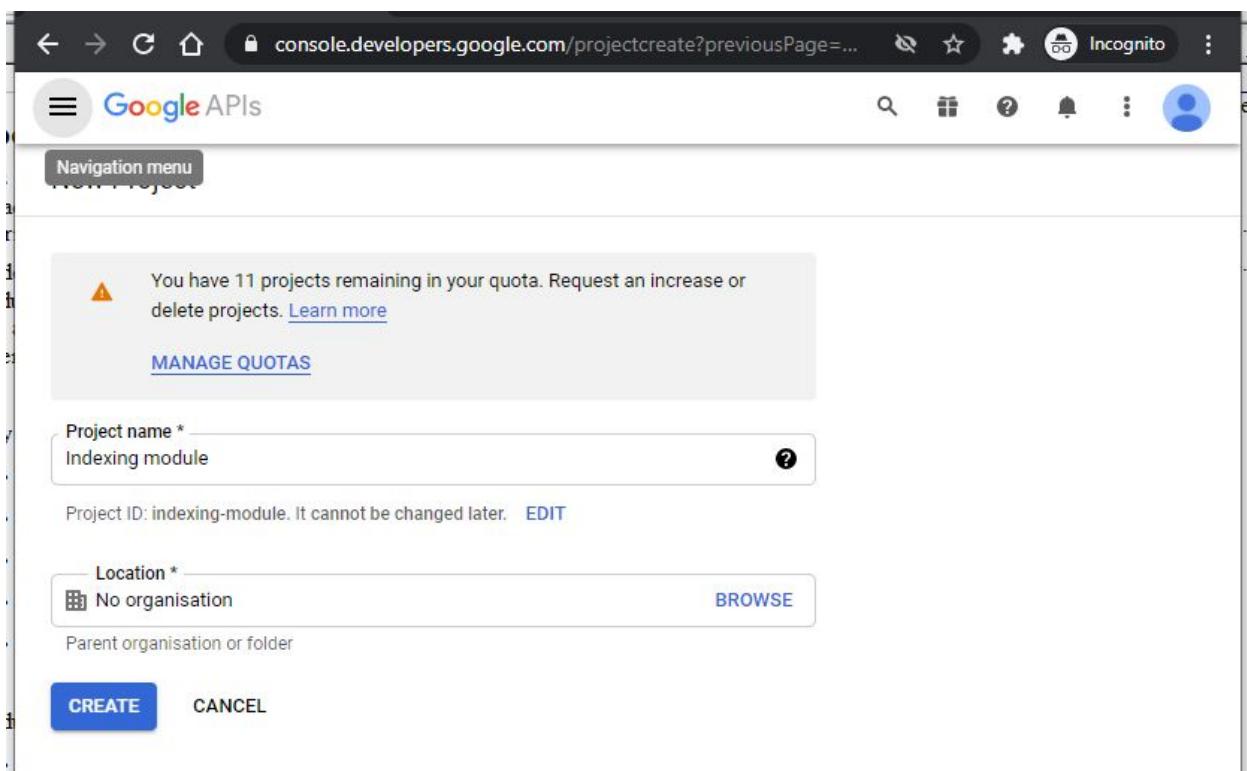
# Setup Google API JSON Key

Step 1. Go to “Google APIs” page: <https://console.developers.google.com/>

Step 2. Create new project

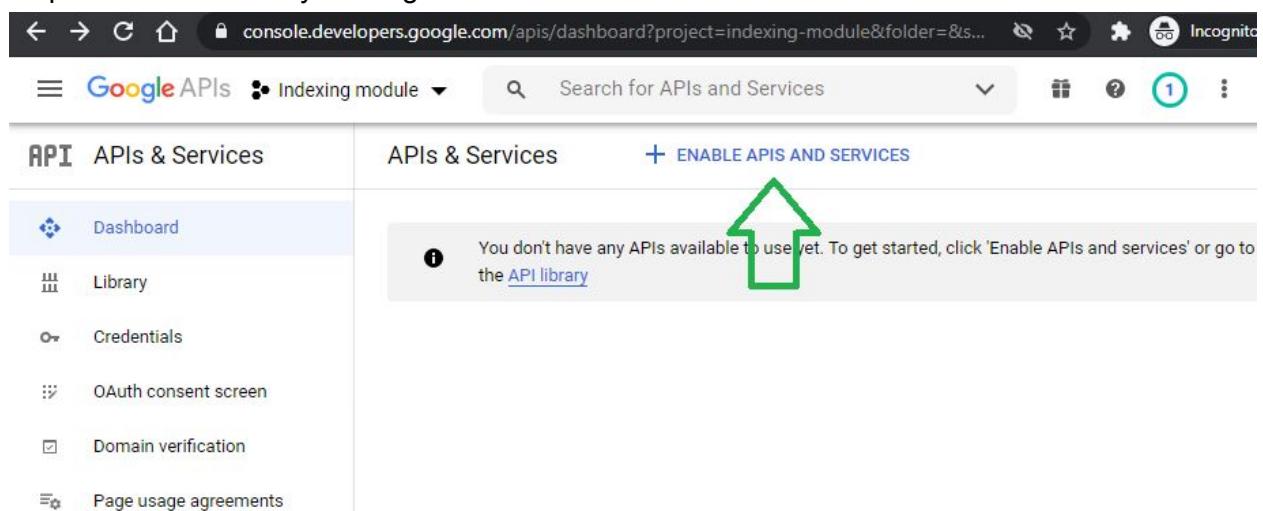


The screenshot shows the Google APIs Dashboard. On the left, there's a sidebar with options: Dashboard (selected), Library, Credentials, OAuth consent screen, Domain verification, and Page usage agreements. The main area is titled "Dashboard" and contains a message: "To view this page, select a project." To the right of the message is a "CREATE PROJECT" button. A large green arrow points upwards towards this button.



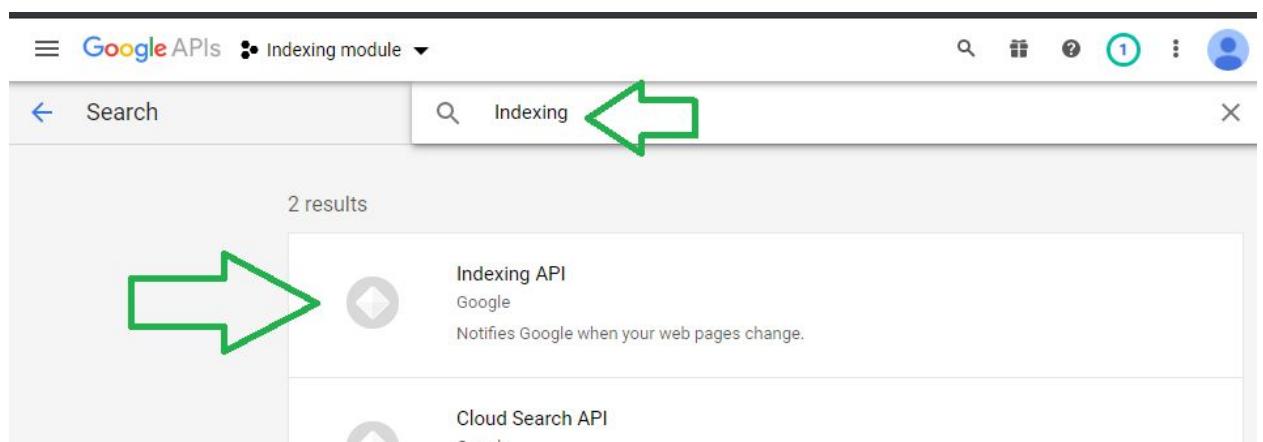
The screenshot shows the "Create New Project" dialog box. It includes a quota warning: "You have 11 projects remaining in your quota. Request an increase or delete projects. [Learn more](#)". Below it is a "MANAGE QUOTAS" link. The form fields are: "Project name \*", "Indexing module", and a question mark icon. Under "Project ID", it says "indexing-module. It cannot be changed later." with an "EDIT" link. The "Location \*" field shows "No organisation" with a "BROWSE" button. At the bottom are "CREATE" and "CANCEL" buttons. A large green arrow points upwards towards the "CREATE" button.

Step 3. Add new API by clicking “ENABLE APIs AND SERVICES”



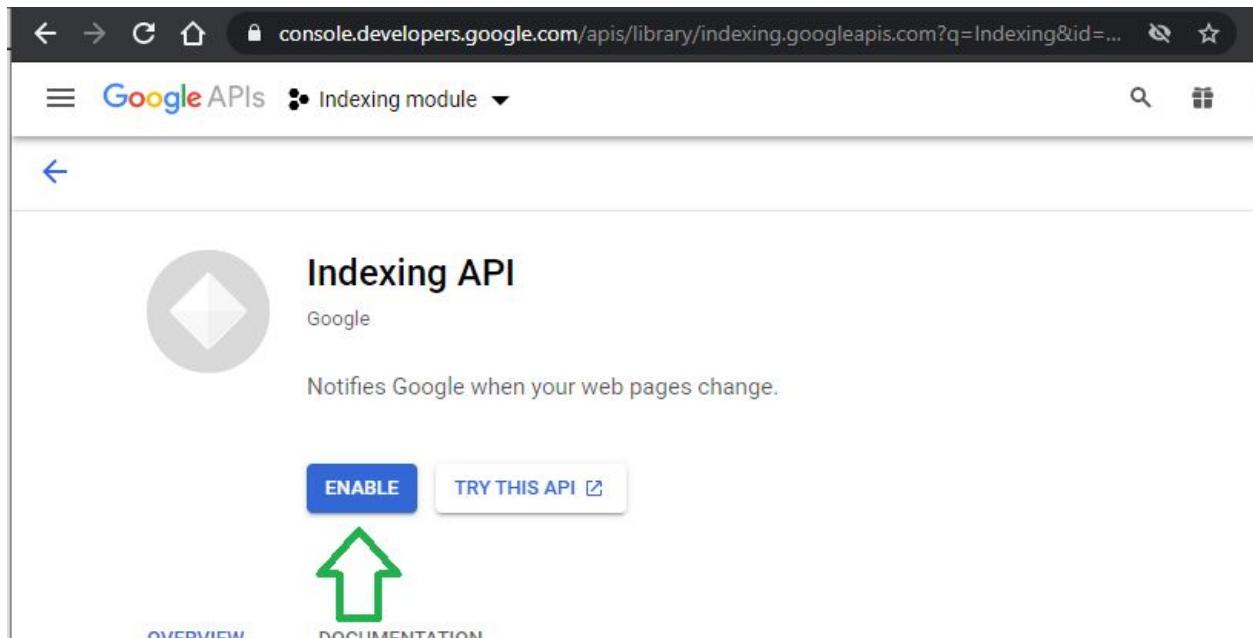
The screenshot shows the Google Cloud Platform API dashboard. On the left, there's a sidebar with options like Dashboard, Library, Credentials, OAuth consent screen, Domain verification, and Page usage agreements. The main area is titled "APIs & Services" and has a button at the top right labeled "+ ENABLE APIs AND SERVICES". A green arrow points upwards towards this button. Below it, a message says: "You don't have any APIs available to use yet. To get started, click 'Enable APIs and services' or go to the [API library](#)".

Step 3.1. Enter “Indexing” in the search field and then select “Indexing API” from the list.



The screenshot shows the Google Cloud Platform API library search results. In the search bar, the word "Indexing" is typed. A green arrow points to the search bar. Below the search bar, the text "2 results" is displayed. Two API entries are listed: "Indexing API" and "Cloud Search API". The "Indexing API" entry is highlighted with a large green arrow pointing to its name. The "Indexing API" entry includes the provider "Google" and a description: "Notifies Google when your web pages change."

Step 3.2. Click the button “Enable”



Step 4. Now you need to create “credentials”

The screenshot shows the "Overview" page for the Indexing API. On the left, there's a sidebar with links: "Overview" (which is selected and highlighted in blue), "Metrics", "Quotas", and "Credentials". The main content area has tabs: "Overview" (selected) and "DISABLE API". A message box says: "To use this API, you may need credentials. Click 'Create credentials' to get started." To the right of this message is a "CREATE CREDENTIALS" button. A large green arrow points upwards from the "CREATE CREDENTIALS" button. Below the message, there are two sections: "Details" (Name: Indexing API, By: Google) and "Traffic by response code" (Request/sec (2 hr average): 1.0/s).

## Step 4.1. Fill in the project parameters

Screenshot of the Google APIs console showing the 'Credentials' page for a project.

The left sidebar shows the following menu items:

- Dashboard
- Library
- Credentials** (selected)
- OAuth consent screen
- Domain verification
- Page usage agreements

The main content area is titled "Add credentials to your project".

Section 1: Find out what kind of credentials you need

Sub-section: Which API are you using?

Different APIs use different auth platforms and some credentials can be restricted to only call certain APIs.

Dropdown menu: Indexing API (highlighted with a green arrow pointing to it).

Sub-section: Where will you be calling the API from?

Credentials can be restricted using details of the context from which they're called. Some credentials are unsafe to use in certain contexts.

Dropdown menu: Other UI (e.g. Windows, CLI tool) (highlighted with a green arrow pointing to it).

Sub-section: What data will you be accessing?

Different credentials are required to authorise access depending on the type of data that you request.

User data  
 Application data (highlighted with a green arrow pointing to it)

Access data belonging to a Google user, with their permission  
Access data belonging to your own application

Blue button: What credentials do I need? (highlighted with a green arrow pointing to it).

## Step 4.2. Create service account

Google APIs Indexing module Search for APIs and Services

API APIs & Services	Credentials
Dashboard	Add credentials to your project
Library	
<b>Credentials</b>	
OAuth consent screen	
Domain verification	
Page usage agreements	

Find out what kind of credentials you need  
Calling Indexing API from a UI-based platform

2 Create a service account

Service account name: indexing-module

Role: Owner

Service account ID: indexing-module @indexing-module.iam.gserviceaccount.com

Key type: JSON (Recommended)

Continue

## Step 4.3 Download JSON Key (If you need to, you can always download it again and later.)

Google APIs Indexing module Search for APIs and Services

API APIs & Services	Credentials
Dashboard	Add credentials to your project
Library	
<b>Credentials</b>	Service account and key created
OAuth consent screen	
Domain verification	
Page usage agreements	

Service account indexing-module has been created. The account's private key indexing-module-5e992c558511.json has been saved on your computer.

Indexing module-5e992c558511.json allows access to your cloud resources, so store it securely. [Learn more](#)

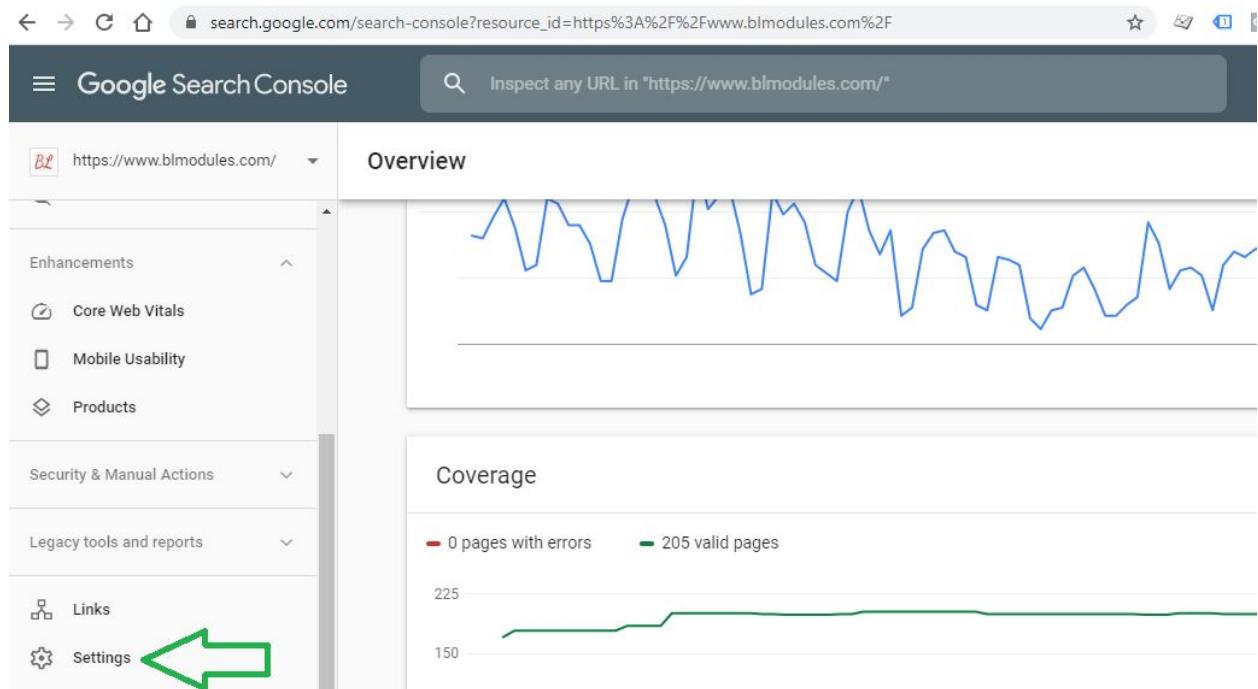
CLOSE

Indexing module-5e992c558511.json

Step 5. Now we need to add this new service account into Google Search console.

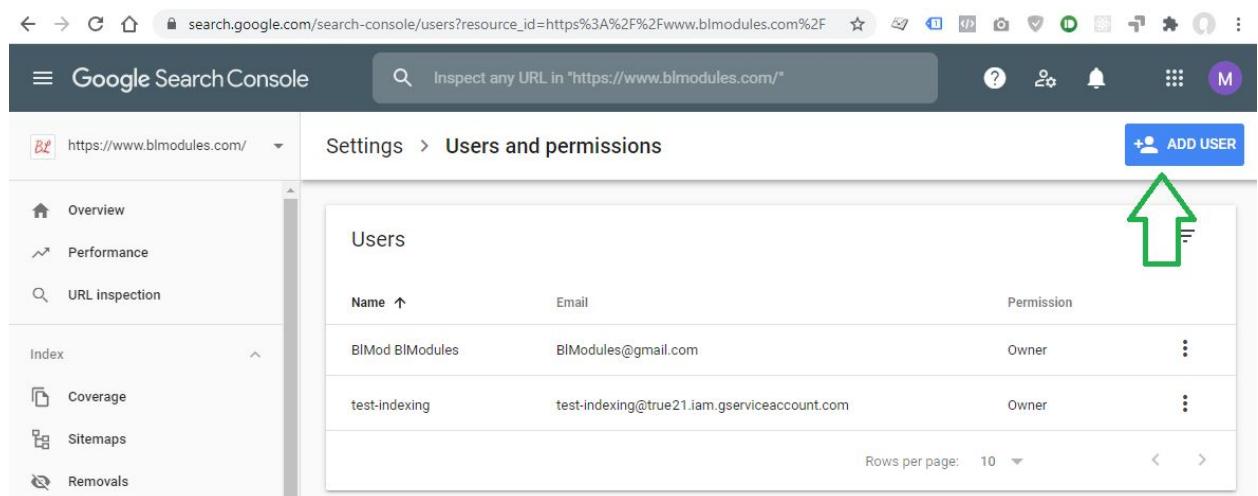
Page: <https://search.google.com/search-console>

Step 6. Click on “Settings” and then on “Users and permissions”



The screenshot shows the Google Search Console interface. On the left, there's a sidebar with various sections like Enhancements, Core Web Vitals, Mobile Usability, Products, Security & Manual Actions, Legacy tools and reports, Links, and Settings. A large green arrow points to the 'Settings' link. The main area is titled 'Overview' and contains two charts: one showing a fluctuating blue line graph and another titled 'Coverage' showing 0 pages with errors and 205 valid pages. The coverage chart has a green line starting around 160 and rising to about 210.

Step 7. Click button “Add User”



The screenshot shows the 'Users and permissions' page under 'Settings'. The sidebar includes Overview, Performance, URL inspection, Index, Coverage, Sitemaps, and Removals. The main area lists users with columns for Name, Email, and Permission. Two users are listed: 'BIMod BI Modules' (Email: BIModules@gmail.com, Permission: Owner) and 'test-indexing' (Email: test-indexing@true21.iam.gserviceaccount.com, Permission: Owner). A green arrow points to the 'ADD USER' button in the top right corner. The table has a 'Rows per page:' dropdown set to 10.

Name	Email	Permission
BIMod BI Modules	BIModules@gmail.com	Owner
test-indexing	test-indexing@true21.iam.gserviceaccount.com	Owner

Step 8. Insert email from JSON file (client\_email field) and set permissions “Full”

Google Search Console

https://www.blmodules.com/ Settings > Users and permissions

Add user

Email address

indexing-module@indexing-module.iam.gserviceaccount.com

Permission

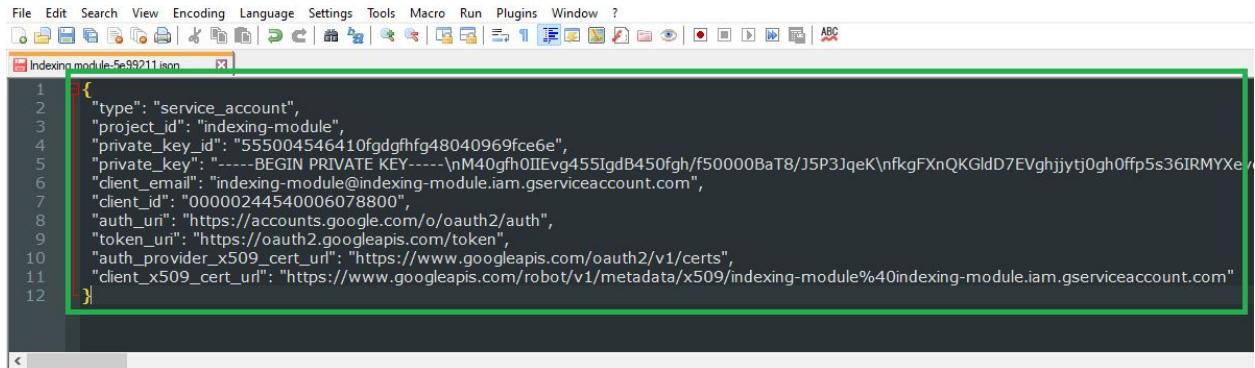
Full

CANCEL ADD

JSON file:

```
1 {  
2   "type": "service_account",  
3   "project_id": "indexing-module",  
4   "private_key_id": "555004546410fgdfhfg48040969fce6e",  
5   "private_key": "-----BEGIN PRIVATE KEY-----\nM40gfh0IIEvg455IgdB450fgh/f50000BaT8/35P3JqeK\\nfkgFXnQ",  
6   "client_email": "indexing-module@indexing-module.iam.gserviceaccount.com",  
7   "client_id": "00000244540006078800",  
8   "auth_uri": "https://accounts.google.com/o/oauth2/auth",  
9   "token_uri": "https://oauth2.googleapis.com/token",  
10  "auth_provider_x509_cert_url": "https://www.googleapis.com/oauth2/v1/certs",  
11  "client_x509_cert_url": "https://www.googleapis.com/robot/v1/metadata/x509/indexing-module%40indexing-module.iam.gserviceaccount.com"  
12 }
```

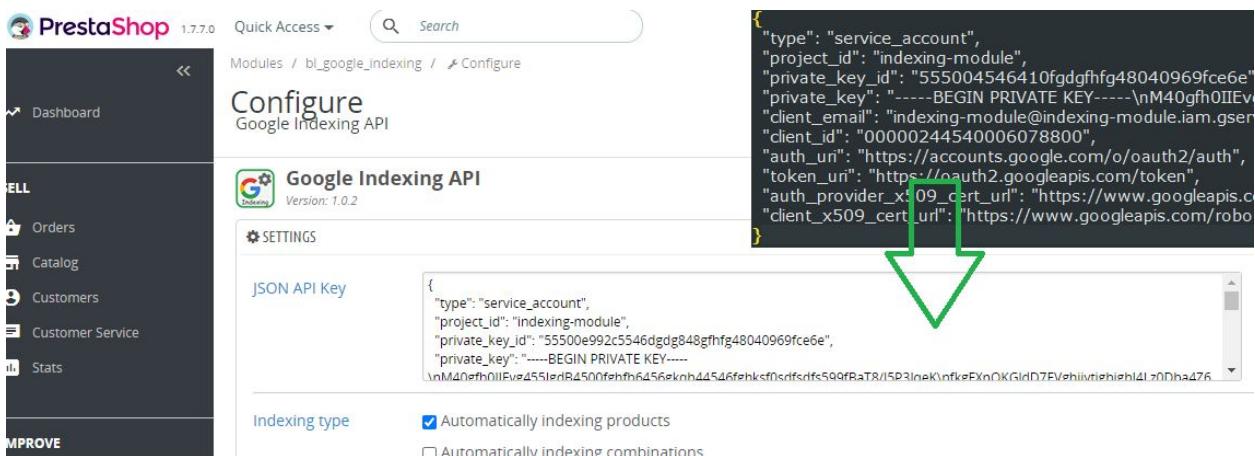
Step 9. Copy JSON Key to Prestashop “Google Indexing API” module settings page, „JSON API Key“ field



```

1  {
2    "type": "service_account",
3    "project_id": "indexing-module",
4    "private_key_id": "555004546410fgdghfg48040969fce6e",
5    "private_key": "-----BEGIN PRIVATE KEY-----\nM40gfh0IIEvg455IgdB450fgh/f50000BaT8/J5P3JqeK\\nfkgFxNQKldD7EVghjjytj0gh0fp5s36IRMYXe\\n\n-----END PRIVATE KEY-----",
6    "client_email": "indexing-module@indexing-module.iam.gserviceaccount.com",
7    "client_id": "00000244540006078800",
8    "auth_uri": "https://accounts.google.com/o/oauth2/auth",
9    "token_uri": "https://oauth2.googleapis.com/token",
10   "auth_provider_x509_cert_url": "https://www.googleapis.com/oauth2/v1/certs",
11   "client_x509_cert_url": "https://www.googleapis.com/robot/v1/metadata/x509/indexing-module.iam.gserviceaccount.com"
12 }

```



PrestaShop 1.7.7.0 Quick Access Search

Modules / bl\_google\_Indexing / Configure

## Configure

Google Indexing API

**SETTINGS**

**JSON API Key**

```
{
  "type": "service_account",
  "project_id": "indexing-module",
  "private_key_id": "555004546410fgdghfg48040969fce6e",
  "private_key": "-----BEGIN PRIVATE KEY-----\nM40gfh0IIEvg455IgdB450fgh/f50000BaT8/J5P3JqeK\\nfkgFxNQKldD7EVghjjytj0gh0fp5s36IRMYXe\\n\n-----END PRIVATE KEY-----",
  "client_email": "indexing-module@indexing-module.iam.gserviceaccount.com",
  "client_id": "00000244540006078800",
  "auth_uri": "https://accounts.google.com/o/oauth2/auth",
  "token_uri": "https://oauth2.googleapis.com/token",
  "auth_provider_x509_cert_url": "https://www.googleapis.com/oauth2/v1/certs",
  "client_x509_cert_url": "https://www.googleapis.com/robot/v1/metadata/x509/indexing-module.iam.gserviceaccount.com"
}
```

**Indexing type**

Automatically indexing products

Automatically indexing combinations

Save the settings and that's it. Well done.