

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 a new project (if you don’t have it, if you have it skip to step 3)

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." Below this is a "CREATE PROJECT" button. A large green arrow points upwards towards this button.

The screenshot shows the "Project create" page. It features a warning message: "⚠ You have 11 projects remaining in your quota. Request an increase or delete projects. [Learn more](#)". Below this is a "MANAGE QUOTAS" link. The form fields include "Project name *" (with "Indexing module" entered), "Project ID" (set to "indexing-module"), "Location *" (set to "No organisation"), and a "Parent organisation or folder" dropdown. 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 APIs & Services interface. On the left, there's a sidebar with options like Enabled APIs & services, Library, Credentials, OAuth consent screen, Domain verification, and Page usage agreements. The 'Enabled APIs & services' option is selected. On the right, there's a main panel titled 'APIs & Services' with a blue button at the top right labeled '+ ENABLE APIS AND SERVICES'. A red arrow points upwards towards this button.

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

The screenshot shows the Google Cloud API Library. At the top, it says 'Welcome to the API Library'. Below that, there's a search bar with the text 'indexin' entered. A red arrow points from the left towards this search bar. Underneath the search bar, a list of results is shown, with 'indexing api' highlighted by a dashed blue box. Another red arrow points downwards towards this result.

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API API Library

indexing api

API Library > “indexing api”

Filter Type to filter

Category

Google Enterprise APIs (1)

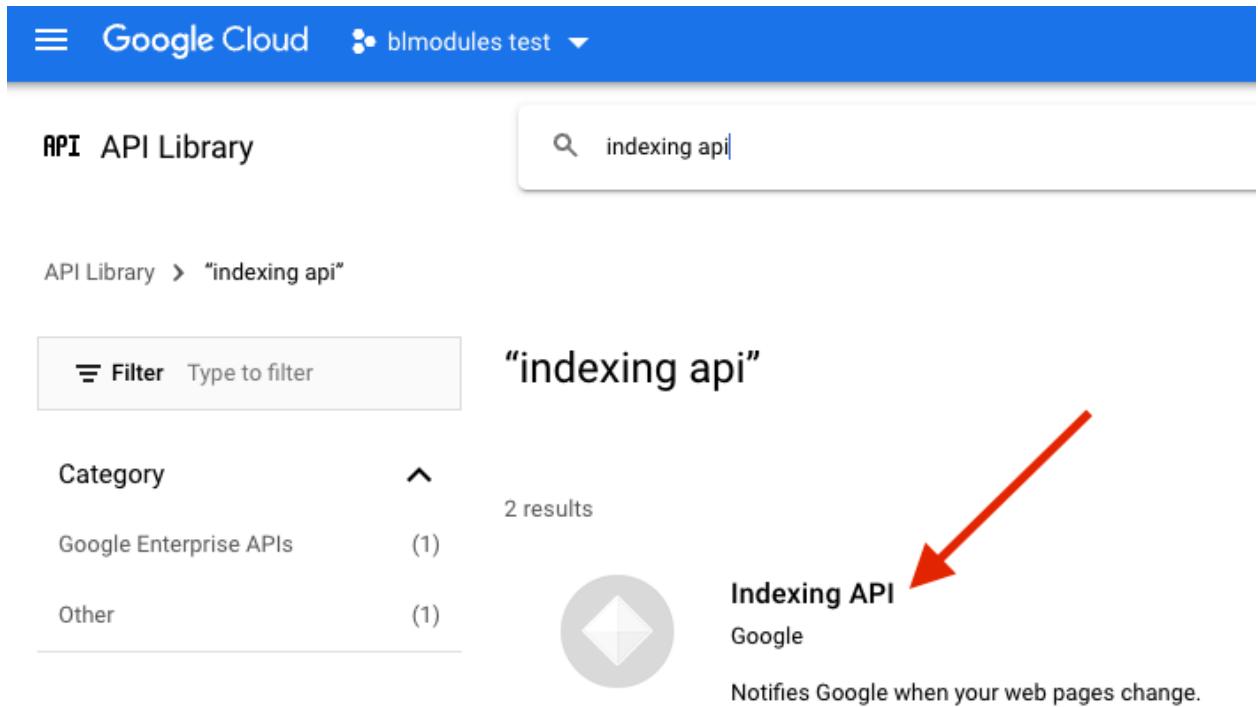
Other (1)

“indexing api”

2 results

Indexing API
Google

Notifies Google when your web pages change.



Step 3.2. Click the button “MANAGE”

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←

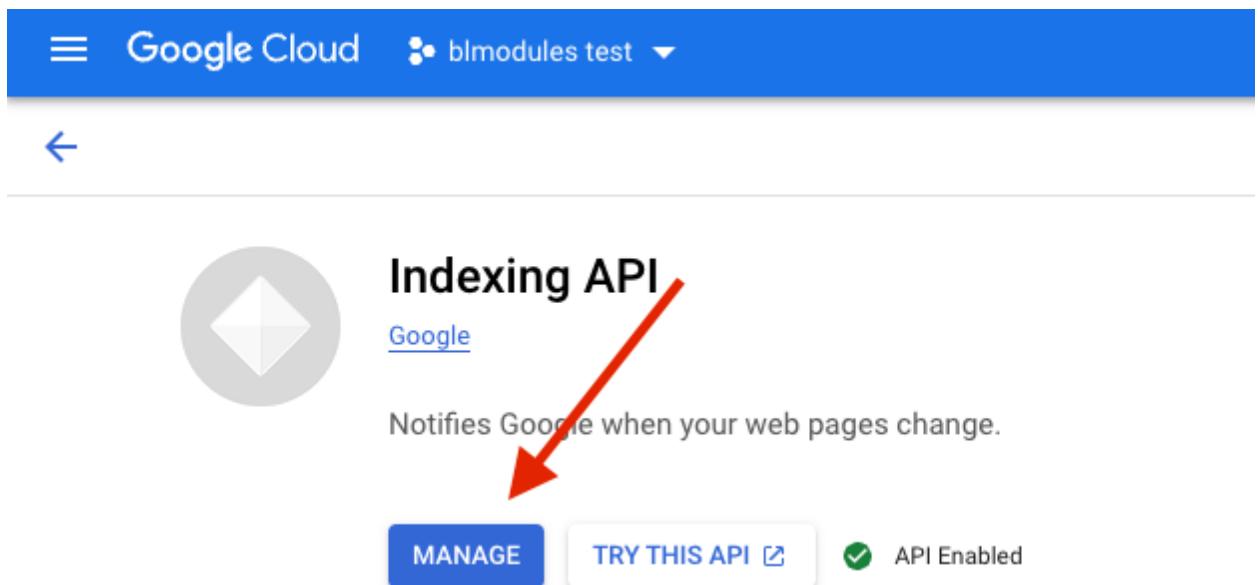
Indexing API

Google

Notifies Google when your web pages change.

MANAGE TRY THIS API ↗

✓ API Enabled



Step 4. Now you need to create “credentials”

The screenshot shows the Google Cloud API & Services Credentials page. On the left sidebar, under 'API & Services', the 'Credentials' option is selected, indicated by a blue highlight. A red arrow labeled 'Step 1' points to this selection. In the main content area, there is a 'CREATE CREDENTIALS' button at the top right. A red arrow labeled 'Step 2' points to this button. Below it, there are three options: 'API key', 'OAuth client ID', and 'Service account'. A red arrow labeled 'Step 3' points to the 'OAuth client ID' option.

| API & Services | | Credentials |
|----------------|-------------------------|--------------------------------------|
| | Enabled APIs & services | + CREATE CREDENTIALS |
| | Library | |
| | Credentials | |
| | OAuth consent screen | |
| | Domain verification | |
| | Page usage agreements | |

Step 1

Step 2

Step 3

| Option | Description |
|-----------------|--|
| API key | Identifies your project using a simple API key to |
| OAuth client ID | Requests user consent so your app can access |
| Service account | Enables server-to-server, app-level authentication |

API Keys

Name

OAuth 2.0 Client ID

Name

Help me choose

Asks a few questions to help you decide which

Step 4.1. Fill in the project parameters (service account name) and click “DONE”.

The screenshot shows the Google Cloud IAM interface for creating a new service account. On the left, a sidebar lists various IAM components: IAM, Identity & Organization, Policy Troubleshooter, Policy Analyzer, Organization Policies, Service Accounts (which is selected and highlighted in blue), Workload Identity Federation, Labels, Tags, Settings, Privacy & Security, Identity-Aware Proxy, Roles, and Audit Logs. The main panel is titled "Service account details". It contains fields for "Service account name" (set to "Indexing API"), "Service account ID" (set to "indexing-api"), and "Email address" (set to "indexing-api@blmodules-test.iam.gserviceaccount.com"). There is also a "Service account description" field and a "CREATE AND CONTINUE" button. Below this, three numbered steps are listed: 1. "Grant this service account access to project (optional)", 2. "Grant users access to this service account (optional)", and 3. "Grant this service account access to project (optional)". At the bottom are "DONE" and "CANCEL" buttons. Red arrows from the original image point to the "Service account name" field and the third step in the list.

Step 4.2. Create service account

| API APIs & Services | Credentials + CREATE CREDENTIALS  DELET |
|---|--|
|  Enabled APIs & services | Create credentials to access your enabled APIs. Learn more |
|  Library | |
|  Credentials | |
|  OAuth consent screen | |
|  Domain verification | |
|  Page usage agreements | |
| | API Keys |
| | <input type="checkbox"/> Name |
| | OAuth 2.0 Client IDs |
| | <input type="checkbox"/> Name |
| | Service Accounts |
| | <input type="checkbox"/> Email |
| | <input type="checkbox"/> indexing-api@blmodules-test.iam.gserviceaccount.com |

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

The screenshot shows the Google Cloud IAM & Admin interface. On the left sidebar, under the 'Service Accounts' section, there is a red arrow labeled 'Step 2' pointing to the 'Service Accounts' link. On the main 'Indexing API' page, there is a red arrow labeled 'Step 1' pointing to the 'KEYS' tab. Another red arrow labeled 'Step 3' points to the 'Create new key' button in the 'ADD KEY' dropdown menu.

Google Cloud blmodules test

IAM & Admin

Indexing API

DETAILS PERMISSIONS KEYS METRICS

Keys

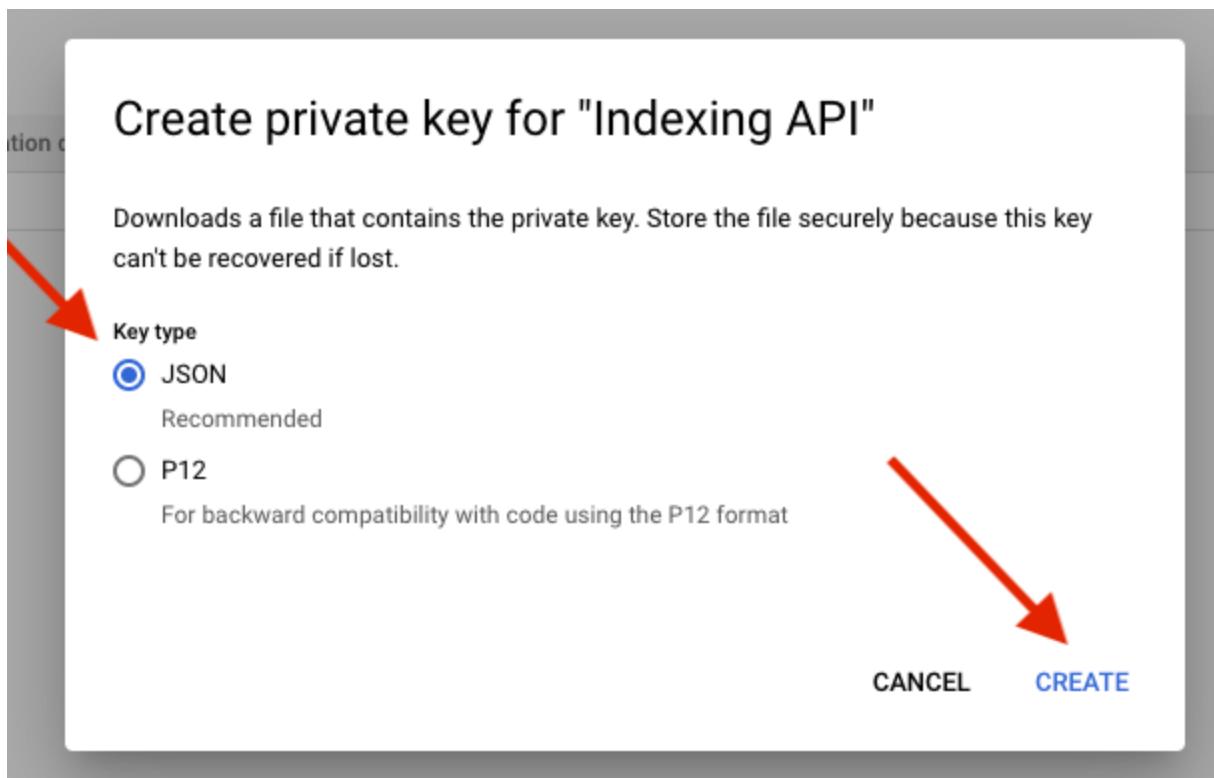
Service account keys could pose a security risk if compromised here.

Add a new key pair or upload a public key certificate from an existing key file.

Block service account key creation using organization policies. Learn more about setting organization policies for service accounts.

ADD KEY Create new key Upload existing key

Key creation date Key expiration



A screenshot of the Google Cloud Platform Service Accounts page. A modal window is open with the title "Private key saved to your computer". It contains a warning message: "my-project-2022-347117-d1252978c204.json allows access to your cloud resources, so store it securely. [Learn more best practices](#)". A red arrow points to this message. In the background, the main page shows a table of keys:

| Type | Status | Key |
|----------------------------------|--|--|
| <input checked="" type="radio"/> | <input checked="" type="checkbox"/> Active | d1252978c204310dba5cd989d42f10237ae24342 |

Manage Resources

Release Notes

my-project-202....json

Show

CLOSE

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 Overview, Performance, URL inspection, Index, Experience, Shopping, Enhancements, Security & Manual Actions, Legacy tools and reports, Links, and Settings. The 'Settings' option is highlighted with a red arrow labeled 'Step 1'. The main content area is titled 'Settings' and contains several sections: General settings (with 'Ownership verification' and a green checkmark indicating verification), Users and permissions (listing 'BIMod BI Modules, indexing-module'), Associations (Google Analytics), and Change of address (Inform Google when your site moves). Below these is a 'Crawling' section with 'Crawl stats' (5.77K crawl requests last 90 days) and an 'About' section with 'Indexing crawler' (Googlebot Smartphone). A red arrow labeled 'Step 2' points to the 'Users and permissions' section.

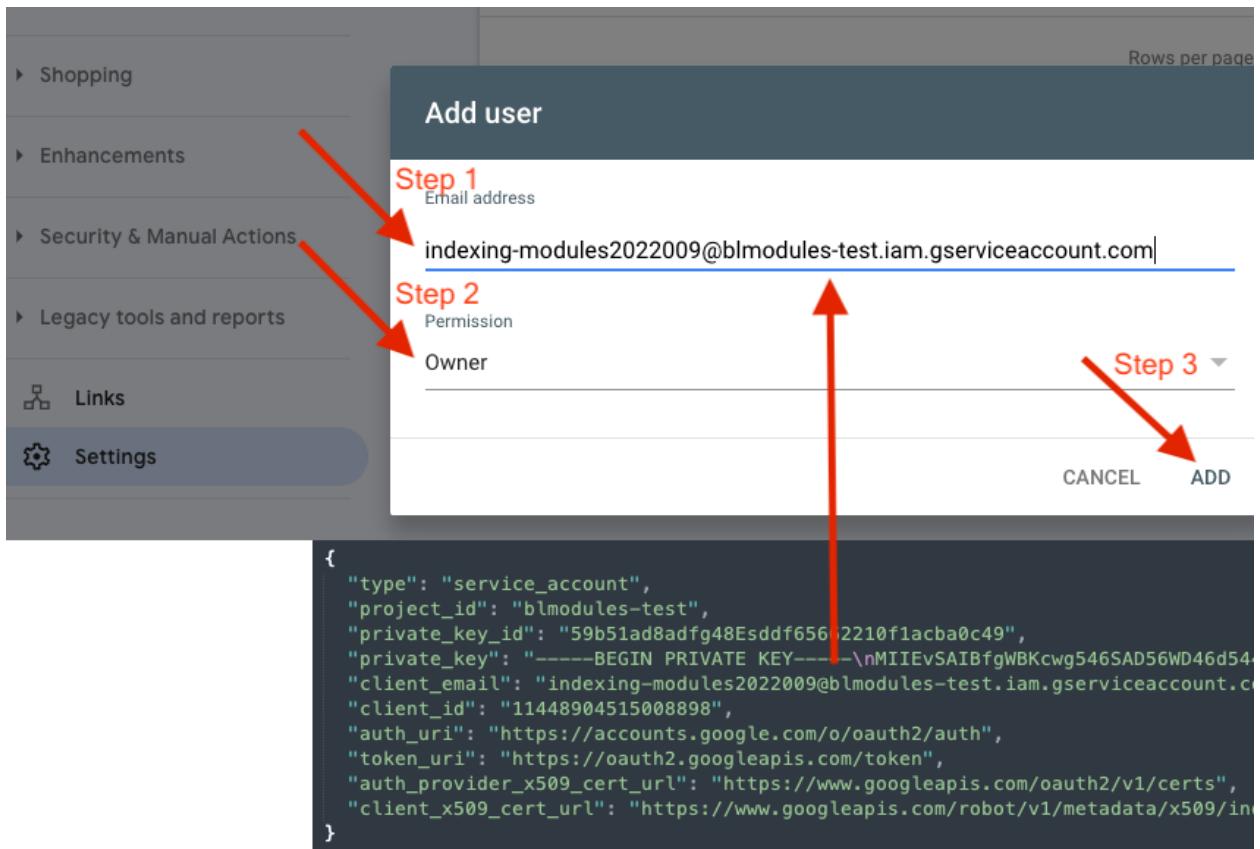
Step 7. Click button "Add User"

The screenshot shows the Google Search Console interface. On the left, there's a sidebar with navigation links: Overview, Performance, URL inspection, Index, Experience, and Shopping. The main area is titled "Settings > Users and permissions". A blue button labeled "ADD USER" with a plus-sign icon is highlighted with a red arrow. Below it is a table titled "Users" with columns for Name, Email, and Permission. The table contains two rows:

| Name | Email | Permission |
|-----------------------|----------------------------------|------------|
| BIMod BIModules (you) | blmodules@gmail.com | Owner |
| indexing-module | indexing-module@indexing-module. | Full |

At the bottom of the table, there are pagination controls: "1-5 of 5", "< >".

Step 8. Insert email from JSON file (client_email field) and set permissions “Owner”, click “ADD” (Sometimes need to use Full instead off Owner, so please change it if a permission issue appears)



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

The screenshot shows two windows side-by-side. On the left is a code editor window titled "Indexing module-5e99211.json" containing a JSON object. A green box highlights the entire JSON content. On the right is a Prestashop 1.7.7.0 interface showing the "Configure" page for the "Google Indexing API" module. In the "SETTINGS" section, there is a "JSON API Key" input field. A green arrow points from the highlighted JSON in the code editor to the "JSON API Key" input field in the Prestashop interface.

```
{"type": "service_account", "project_id": "indexing-module", "private_key_id": "555004546410fgdghfg48040969fce6e", "private_key": "-----BEGIN PRIVATE KEY-----\nM40gfh0IIEvg455IgdB450fgh/f50000BaT8/J5P3JqeK\\nfkgFXnQKGldD7EVghjjytj0gh0fp5s36IRMYXe/-----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%40indexing-module.iam.gserviceaccount.com"}
```

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

Still have permissions issues?

Please try two options:

Option #1: Change permission from Full to Owner on Google Search console (Step 8).

Option #2: Google console has strange issues with the compatibility with old version.

Sometimes need to login into the old version of Google console (Google Webmaster) and there confirm the owner.