

amasty

See the way the [Google Indexing API for Magento 2](#) extension works.

Guide for Google Indexing API for Magento 2

The Google Indexing API extension allows you to send indexing requests directly to Google from the Magento admin panel. This significantly accelerates the process of indexing recent changes to website pages, thereby enhancing the visibility and rankings of your Magento 2 store.

- Establish a connection with the Indexing API provided by Google
- Submit URLs for indexing manually or enable auto-indexing
- Request URL deletions from indexing with just a few clicks
- Monitor the indexing status of each URL on a handy grid
- Initiate indexing right from any edit page (product, category, CMS)
- Compatible with Hyva Theme and Hyva Checkout by default

Please note that indexing requests are based on the URL rewrites generated by Magento.

General Configuration

General

To start configuring the module, go to **Stores → Configuration → Amasty Extensions → Extensions → Search Engine Indexing → General**.

Search Engine Indexing 1.0.0 by **amasty**

REQUEST NEW FEATURE

General



Enable
[global]

Yes



Indexing Lag (in minutes)
[global]

15

Use system value

We advise using a lag for indexing requests, giving you time to make additional modifications before the request is dispatched to Google.

Enable - set to **Yes** to activate the extension.

Indexing Lag (in minutes) - specify the number of minutes after which scheduled indexing requests will be dispatched to Google. *The default is set to 15 minutes, but you can change it if needed.*

We advise using a lag for indexing requests, giving you time to make additional modifications before the request is dispatched to Google.

Google Access Credentials

Please note that to send indexing requests via the Indexing API using the extension, it is necessary to complete the Google **prerequisites** and activate access to the API first. **This involves** registering the application, enabling the API, creating a project and a service account, generating credentials (private keys) in the Google Cloud account, and verifying your site ownership in the Google Search Console.

To simplify this process for you, we've prepared step-by-step instructions on how to set up the Indexing API provided by Google. Please find these instructions in a separate section of this guide → [Google Indexing API: step-by-step setup instructions.](#)

Google Access Credentials



Private Key JSON File
[global]

No file chosen

Please follow [Google Documentation](#) on how to get a JSON key file.

Private Key JSON File - upload the JSON key file you generated and downloaded from the Google Cloud Console. Once the file is uploaded, click the **Save** button.

Check the connection status details in the table that appears after the file is uploaded:

Private Key JSON
File
[global]

Field	Value
type	service_account
project_id	my-project-6667-1698163759024
private_key_id	*****
private_key	*****
client_email	google-indexing-api-service-ac@my-project-6667-1698163759024.iam.gserviceaccount.com
client_id	106605539130302438248
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/google-indexing-api-service-ac%40my-project-6667-1698163759024.iam.gserviceaccount.com
universe_domain	googleapis.com

No file chosen Delete File

Auto-indexing

The extension allows you to send indexing requests both manually and automatically. In this tab, you can configure automatic indexing.

Auto-Indexing



Enable
[store view]

Yes

Auto-Indexing for Pages
[store view]

Product Pages
Category Pages
CMS Pages

Automatic indexing requests are submitted to search platforms whenever a selected entity is created, updated, or deleted.

Index Product Pages When Attributes Change
[global]

Activity
Category Gear
Categories
Climate
Collar
Color
Cost
Country of Manufacture
New Theme
Active From

Changing the selected attributes will trigger the submission of product page URLs for indexing.

Enable - set to Yes to allow automatic submission of indexing requests.

Auto-Indexing for Pages - select which pages the extension will automatically request indexing for when they are added, updated, or deleted.

- **Product Pages** - all existing product pages on the instance.
- **Category Pages** - all existing category pages on the instance.
- **CMS Pages** - all existing CMS pages on the instance.

Index Product Pages When Attributes Change - choose the attributes whose changes will trigger the submission of product page URLs for indexing.

Indexing Schedule Log

Here, you can enable the cleaning of the **Indexing Schedule Log** and specify the number of days after which the records will be automatically removed.

Indexing Schedule Log



Indexing Schedule Log Auto-Cleaning
[global]

The records that were saved for a longer period than the specified below will be automatically removed from Schedule Log.

Auto-Cleaning Period in Days
[global]


Use system value

Manage Indexing Requests Manually

Bulk Request Form

This extension enables the manual submission of single or multiple URLs for indexing, as well as the deletion of these URLs from indexing. Navigate to **Amasty → Extensions → Search Engine Indexing → Indexing Request** to perform these actions.

Submit Pages for Indexing

  admin ▾

Action

Submit URLs for indexing ▾

- Submit URLs for indexing
- Delete URLs from indexing

URLS

```
https://google-indexing-api-m2.magento-demo.amasty.com/gear/bags.html
https://google-indexing-api-m2.magento-demo.amasty.com/savvy-shoulder-tote.html
https://google-indexing-api-m2.magento-demo.amasty.com/gear/fitness-equipment.html
https://google-indexing-api-m2.magento-demo.amasty.com/affirm-water-bottle.html
https://google-indexing-api-m2.magento-demo.amasty.com/about-us
```

Please input each URL in a new line.

1. Choose the appropriate operation from the Action dropdown first:

- **Submit URLs for indexing** - to schedule the request(s) for URL(s) indexing;
- **Delete URLs from indexing** - to schedule the request(s) for URL(s) deletion from indexing.

2. Paste the URL or URLs for which you'd like to perform the selected action for. *Please input each URL in a new line if submitting multiple URLs.*

3. Click the **Submit** button. *After submission, you can track the current request statuses on the **Indexing Schedule Log** grid.*

'Submit for Indexing' Button on Edit Pages

Also, you can request indexing for any particular Magento page of product, category, or CMS type by clicking the **Submit for indexing** button located at the top panel on its edit page.

- **Product Edit Page**

Go to **Catalog** → **Products** → select the desired product from the grid → click the **Edit** option in the **Action** column:

Strive Shoulder Pack

Scope: All Store Views ? [← Back](#) [Add Attribute](#) [Submit for indexing](#) [Save](#)

Enable Product Yes [website]

Attribute Set

Product Name * [store view]

SKU * [global]

• Category Edit Page

Go to **Catalog** → **Categories** → find and open the needed category:

Bags (ID: 4)

Scope: All Store Views ? [Delete](#) [Submit for indexing](#) [Save](#)

- Add Root Category
- Add Subcategory

[Collapse All](#) | [Expand All](#)

- Default Category (ID: 2) (11)
 - What's New (ID: 38) (0)
 - Women (ID: 20) (0)
 - Men (ID: 11) (0)
 - Gear (ID: 3) (46)
 - Bags (ID: 4) (14)**
 - Fitness Equipment (ID: 1) (0)
 - Watches (ID: 6) (9)
 - Collections (ID: 7) (13)
 - Training (ID: 9) (0)
 - Promotions (ID: 29) (0)
 - Sale (ID: 37) (0)

Enable Category Yes [store view]

Include in Menu Yes [store view]

Category Name * [store view]

Content

Category Image [store view]

Maximum file size: 2 MB. Allowed file types: JPG, GIF, PNG.

• CMS Edit Page

Navigate to **Content** → **Pages** → find the desired page on the grid → click the **Edit** option in the **Action** column:

About us

🔍 admin ▾

← Back

Delete Page

Submit for indexing

Save



Enable Page Yes

Page Title *

The Indexing API has a default daily limit of **200 requests** provided for free. You can request increasing of this quota in the Google Cloud Console (it may require creating a billing account). The Google Indexing API extension itself operates within the quota configured for your Google Cloud project.

Indexing Schedule Log (grid)

All indexing requests, whether single or multiple, sent automatically or manually, are stored in the Indexing Schedule Log. To access the grid with these records, navigate to **Amasty** → **Extensions** → **Search Engine Indexing** → **Indexing Schedule Log**.

Indexing Schedule Log

Search by keyword

Actions 9 records found per page of 1

			Trigger	Status	Added At	Scheduled At ↑	Transmitted At	Message	Action
<input type="checkbox"/>	11	https://google-indexing-api-m2.magento-demo.amasty.com/about-us	URL_UPDATED	Pending	Jul 19, 2024 4:01:25 PM	Jul 19, 2024 4:16:25 PM			Transmit Now
<input type="checkbox"/>	7	https://google-indexing-api-m2.magento-demo.amasty.com/harmony-lumaflex-trade-strength-band-kit.html	URL_DELETED	Success	Jul 19, 2024 12:46:37 PM	Jul 19, 2024 1:01:37 PM	Jul 19, 2024 12:49:29 PM		Transmit Now
<input type="checkbox"/>	4	https://google-indexing-api-m2.magento-demo.amasty.com/men.html	URL_UPDATED	Success	Jul 17, 2024 12:32:47 PM	Jul 17, 2024 12:47:47 PM	Jul 17, 2024 12:33:07 PM		Transmit Now
<input type="checkbox"/>	3	https://google-indexing-api-m2.magento-demo.amasty.com/strive-shoulder-pack.html	URL_UPDATED	Success	Jul 17, 2024 12:32:42 PM	Jul 17, 2024 12:47:42 PM	Jul 17, 2024 12:33:07 PM		Transmit Now

You can view and filter the following information on the grid:

- **ID** - unique identifier for each record;
- **URL** - page URL scheduled for indexing;
- **Trigger** - the reason for the indexing request (**url_updated** or **url_deleted**);
- **Status** - current status of the indexing request (**pending**, **success**, **canceled**, or **error**);
- **Added At** - date and time when the request recording was created;
- **Scheduled At** - date and time scheduled for request dispatch to the search system (Google), depending on indexing lag set in general settings;
- **Transmitted At** - date and time when the request was sent to the search system (Google);
- **Message** - explanation of the issue if the status is 'error'.

If you are sure and are not going to make additional modifications to the page, you have the option to transmit its URL for indexing directly from the grid (without waiting for the indexing delay to expire) by clicking the **Transmit Now** button in the **Action** column.

Moreover, you can utilize two mass actions after ticking the needed products you want to apply them for:

- **Delete** - to remove recordings from the grid in bulk;
- **Transmit** - to instantly transmit URLs for indexing in bulk.

Google Indexing API: step-by-step setup instructions

To activate access to the Indexing API, we recommend taking the following steps:

1. Log into the [Google Cloud \(API\) Console](#)
2. Create a new project or use an existing one:



Enable API wizard



To view this page, select a project.

[SELECT PROJECT](#)

[CREATE PROJECT](#)

Select a recent project

My Project

Project ID: my-project-

Organization: amasty.com

Accessed 8 minutes ago

New Project



You have 10 projects remaining in your quota. Request an increase or delete projects. [Learn more](#)

[MANAGE QUOTAS](#)

Project name *

My Project



Project ID: [redacted]. It cannot be changed later. [EDIT](#)

Organization *

amasty.com



Select an organization to attach it to a project. This selection can't be changed later.

Location *

amasty.com

[BROWSE](#)

Parent organization or folder

CREATE

CANCEL

3. After the project is created, you will be asked to confirm it and enable the API:

The screenshot shows the Google Cloud console interface. At the top left is the Google Cloud logo. To its right is a project selector dropdown menu labeled 'My Project'. On the far right are icons for search, notifications, and a menu. Below the header, the page title is 'Enable access to API'. On the left side, there is a vertical list of two steps: '1 Confirm project' and '2 Enable API'. The first step is currently selected. To the right of this list, a message reads: 'You are going to make changes to project 'my-project-...' If this is not the project you intended to use, you can select or create a different project using the project selector above.' Below this message is a blue button with the text 'NEXT', which is highlighted with a red rectangular border.

This screenshot is similar to the one above, showing the 'Enable access to API' page. In this state, the second step, '2 Enable API', is selected in the left-hand list. The message on the right now reads: 'You are about to enable 'Web Search Indexing API'.' Below this message is a blue button with the text 'ENABLE', which is highlighted with a red rectangular border.

4. Then, create a service account:

The screenshot shows the Google Cloud IAM & Admin console. The top navigation bar includes the Google Cloud logo, a project selector for 'My Project', and utility icons for search, share, refresh, notifications, help, and a menu. The left sidebar contains navigation items: IAM, PAM (NEW), Principal Access Boundary, Identity & Organization, Policy Troubleshooter, Policy Analyzer (NEW), Organization Policies, Service Accounts (highlighted with a red box), and Workload Identity Federat... The main content area is titled 'Service accounts' and features a '+ CREATE SERVICE ACCOUNT' button (highlighted with a red box). Below this, there is a section for 'Service accounts for project "My Project 6258"' with explanatory text and links. A filter bar is present with the text 'Filter Enter property name or value'. Below the filter is a table header with columns: Email, Status, Name (sorted ascending), Description, and Action. The table currently displays 'No rows to display'.

Google Cloud My Project

IAM & Admin Create service account

- IAM
- PAM **NEW**
- Principal Access Boundary
- Identity & Organization
- Policy Troubleshooter
- Policy Analyzer **NEW**
- Organization Policies
- Service Accounts**
- Workload Identity Federat...
- Workforce Identity Federa...
- Labels
- Tags
- Settings
- Privacy & Security
- Identity-Aware Proxy

1 Service account details

Service account name: My project
Display name for this service account

Service account ID *: my-project
Email address: my-project@my-project-...iam.gserviceaccount.com

Service account description: Google Indexing API
Describe what this service account will do

CREATE AND CONTINUE

2 Grant this service account access to project (optional)

3 Grant users access to this service account (optional)

DONE CANCEL

The screenshot shows the Google Cloud IAM & Admin console. The left sidebar lists various IAM services, with 'Service Accounts' selected. The main content area displays the 'Create service account' wizard. Step 2, 'Grant this service account access to project (optional)', is highlighted with a red underline. Below this step, the 'Role' dropdown is set to 'Owner', and the 'IAM condition (optional)' section is visible. A 'CONTINUE' button is present. Step 3, 'Grant users access to this service account (optional)', is partially visible at the bottom, with a 'DONE' button highlighted by a red box and a 'CANCEL' button next to it.

5. Generate private API keys:

The screenshot shows the Google Cloud IAM & Admin console. The left sidebar contains navigation items: IAM, PAM (NEW), Principal Access Boundary, Identity & Organization, Policy Troubleshooter, Policy Analyzer (NEW), Organization Policies, Service Accounts (highlighted), Workload Identity Federat..., Workforce Identity Federa..., Labels, Tags, and Settings. The main content area is titled 'Service accounts for project "My Project"'. It includes introductory text and a table of service accounts. A filter bar is present above the table. A context menu is open over the first service account, with 'Manage keys' highlighted in a red box.

Service accounts for project "My Project"

A service account represents a Google Cloud service identity, such as code running on Compute Engine VMs, App Engine apps, or systems running outside Google. [Learn more about service accounts.](#)

Organization policies can be used to secure service accounts and block risky service a features, such as automatic IAM Grants, key creation/upload, or the creation of service accounts entirely. [Learn more about service account organization policies.](#)

Filter Enter property name or value

<input type="checkbox"/>	Email	Status	Ac
<input type="checkbox"/>	<a 441="" 552="" 941="" 965"="" data-label="Page-Footer" href="mailto:my-project@my-project-...iam.gserviceaccount.c...</td><td>Enabled</td><td>⋮</td></tr></tbody></table>Manage detailsManage permissionsManage keysView metricsView logsDisableDelete</div><div data-bbox=">		

Google Cloud My Project

IAM & Admin My project

DETAILS PERMISSIONS KEYS METRICS LOGS

Keys

Warning: Service account keys could pose a security risk if compromised. We recommend you avoid downloading service account keys and instead use the [Workload Identity Federation](#). [Learn more about the best practices to authenticate service accounts on Google Cloud](#).

Info: Google automatically disables service account keys detected in public repositories. You can customize this behavior by using the 'iam.serviceAccountKeyExposureResponse' organization policy. [Learn more](#)

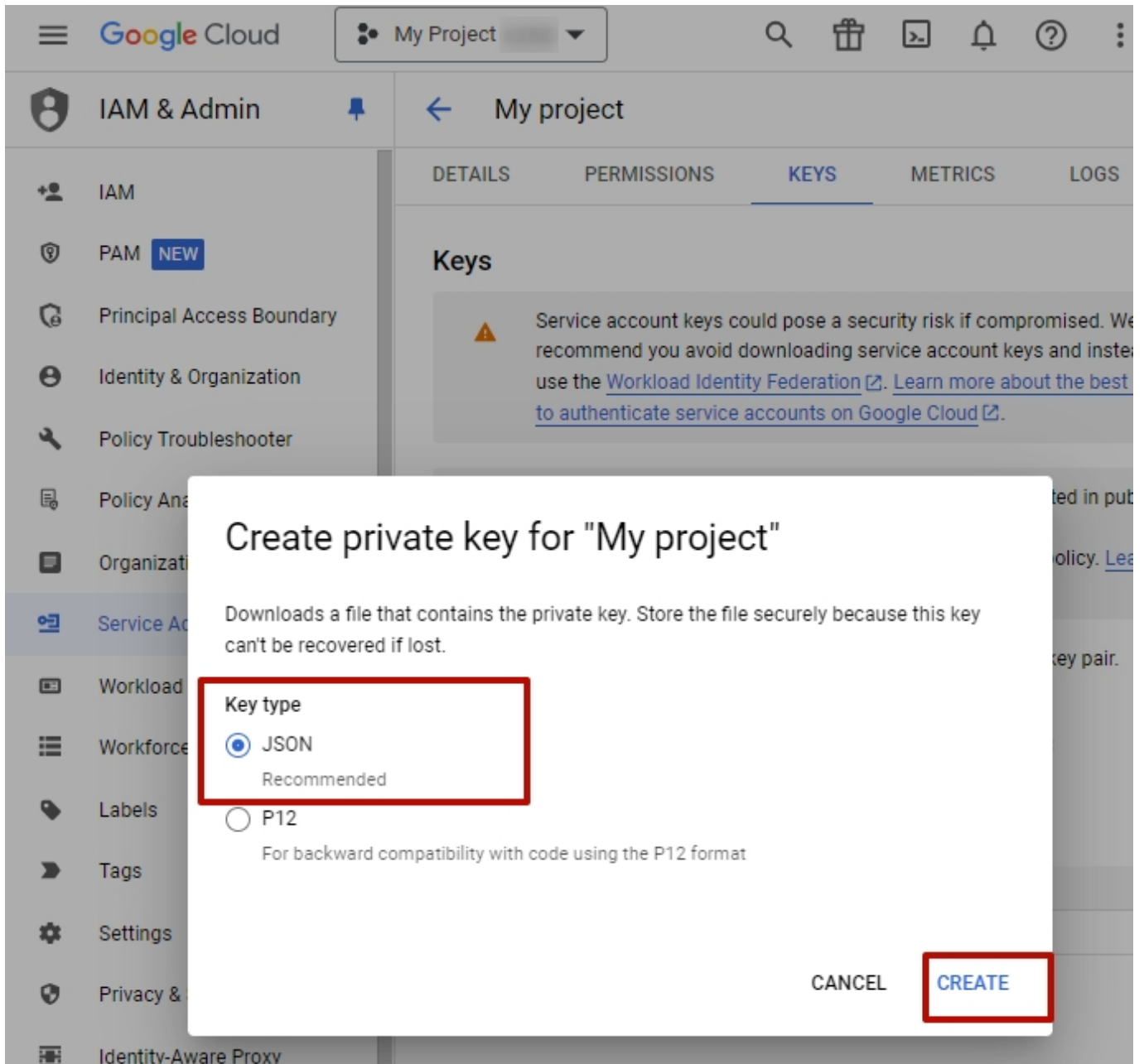
Add a new key pair or upload a public key certificate from an existing key pair.

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

	Creation date	Expiration date
--	---------------	-----------------



6. Upload the downloaded file to the **Private Key JSON File** setting located in the [Google Access Credentials](#) tab of the extension.

7. Open [Google Search Console](#) to verify your site ownership

8. Click **Add property**, select its type, and specify the URL:

Google Search Console

Inspect any URL in "https://google-indexing-api-m2.magento-demo.amasty.com/"

Search property

Settings

AMASTY.COM

- https://google-indexing-api-m2.magento-demo.amasty.com/

AMASTY.NET

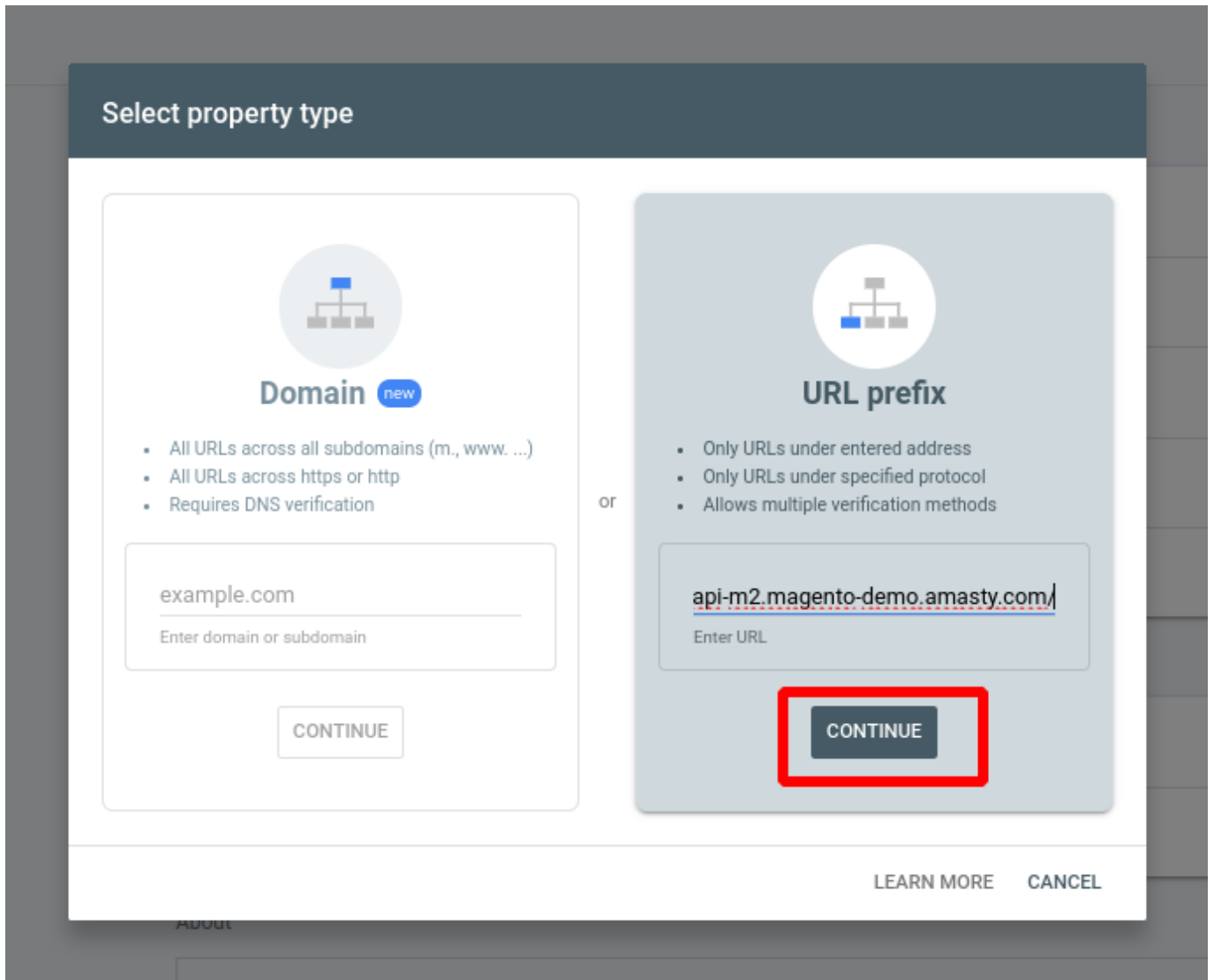
- https://[redacted].amasty.net/
- https://[redacted].amasty.net/

NOT VERIFIED

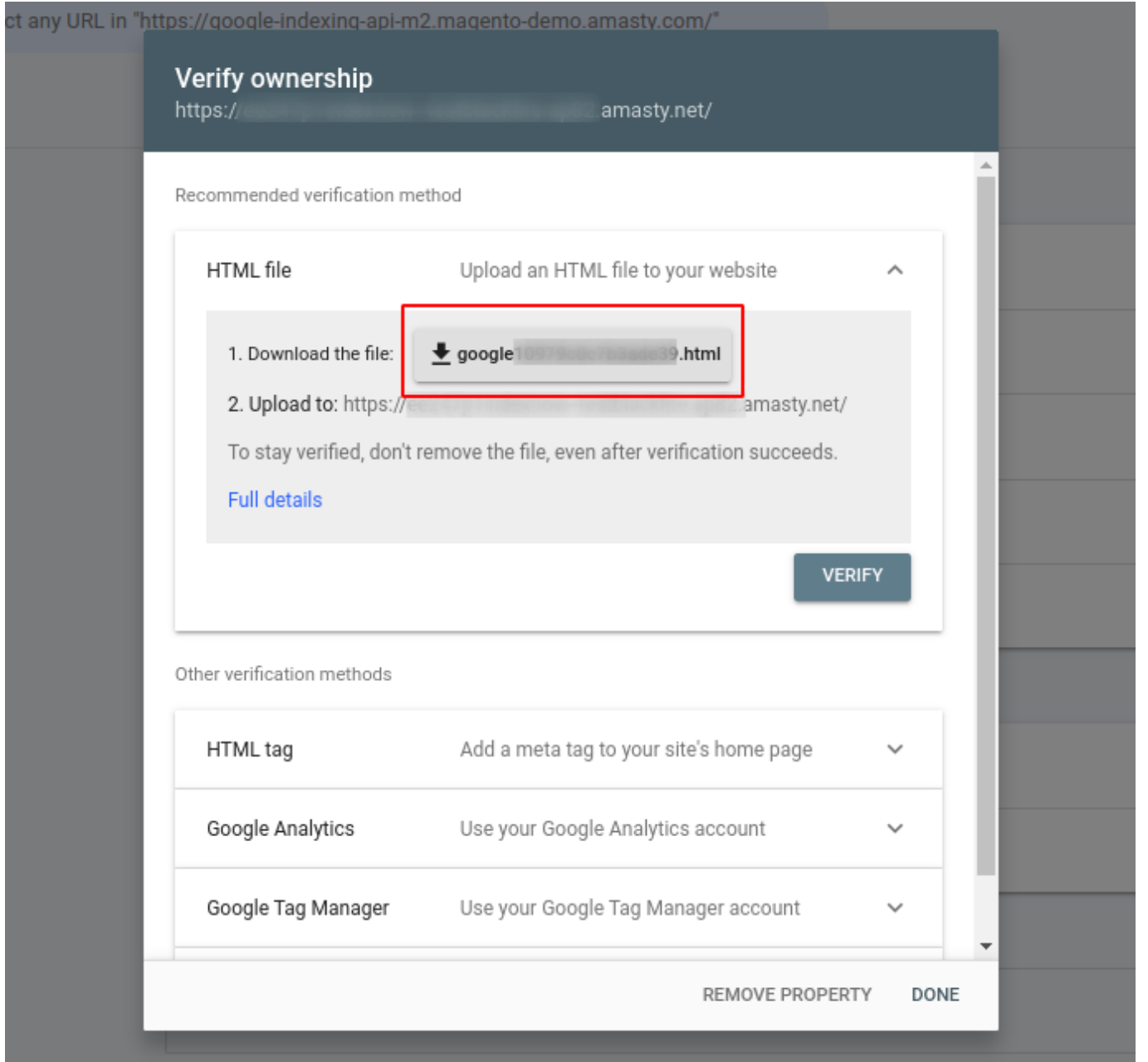
- [redacted].amasty.net
Domain property
- https://[redacted].amasty.net/
- https://[redacted].amasty.com/

+ Add property

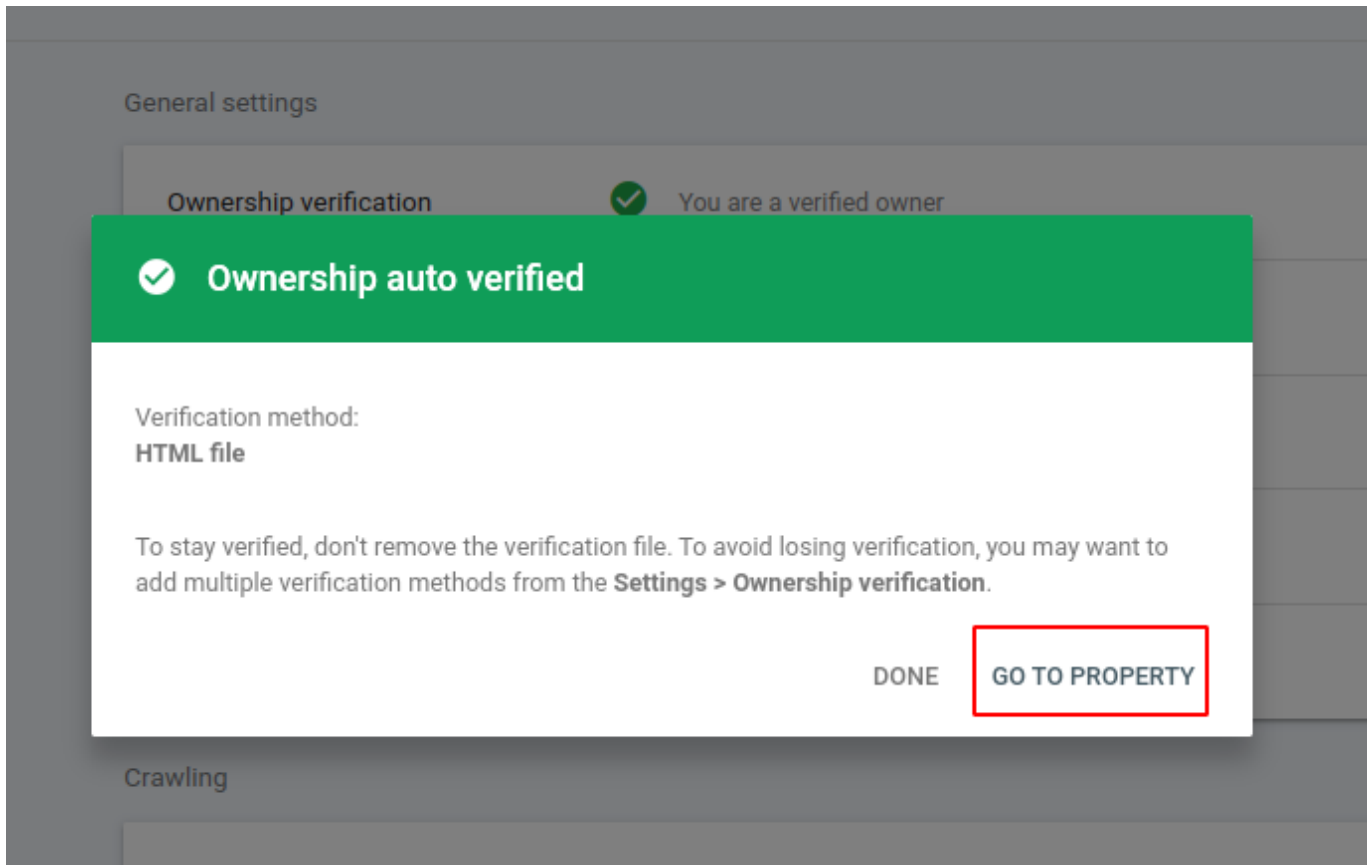
robots.txt



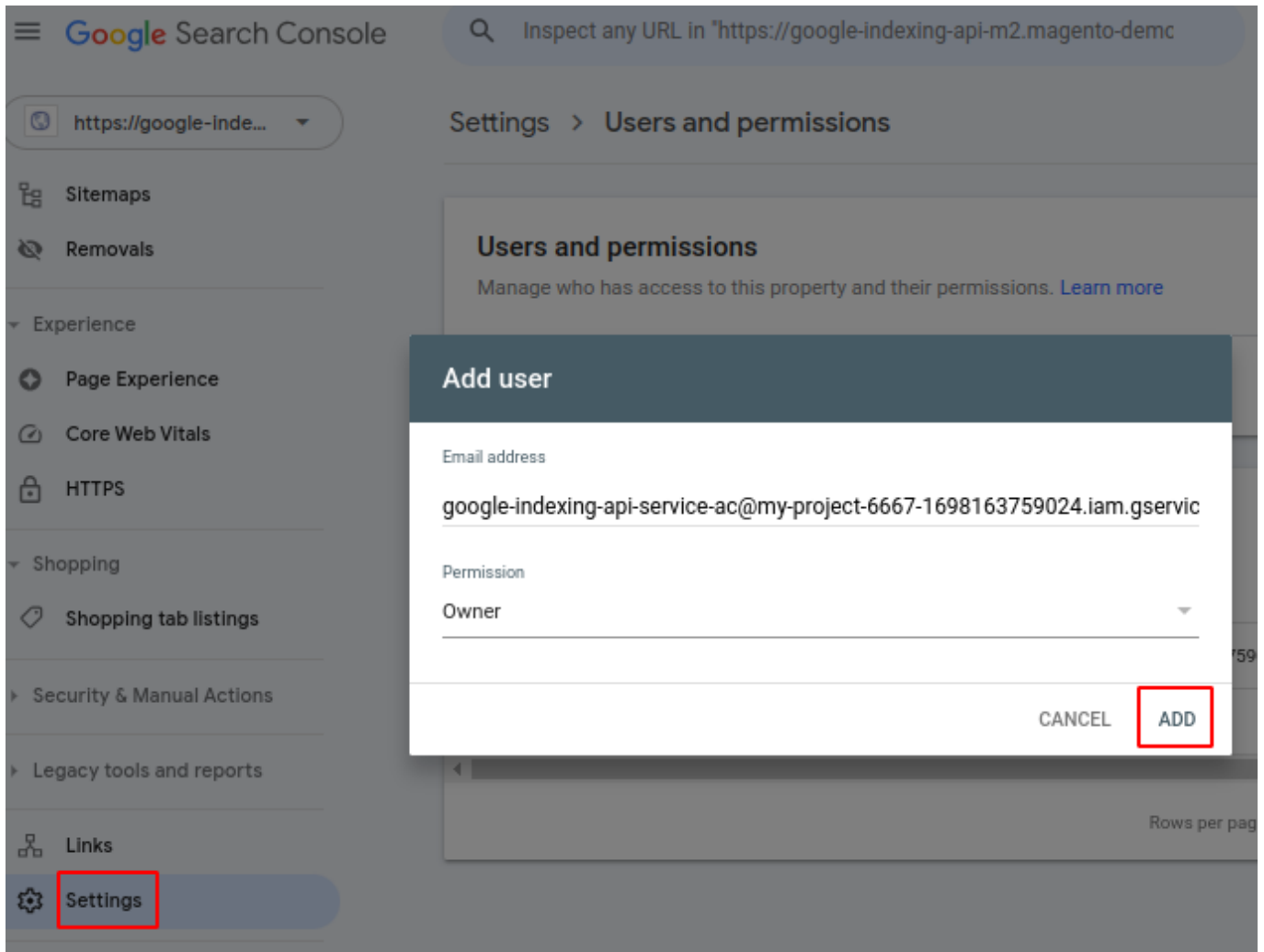
9. Download the provided **HTML file**, upload it to your **Magento root folder** and click the **Verify** button:



10. If the ownership is confirmed, you'll be able to access the property settings by clicking the **Go to Property** button



11. Navigate to **Settings → Users and Permissions** and click the **Add User** button. Then, copy the value of the '**client_email**' field from the JSON key file you downloaded from Google Cloud and paste it to the **Email Address** field. Select the **Owner** role from the **Permission** dropdown. Finally, click the **Add** button:



12. Run the **google/apiclient** command in the composer terminal.

That's it! Now you can not only send indexing requests using the extension but also check if they are indexed in Google Search Console (URL Inspection Tool).

Find out how to install Google Indexing API for Magento 2 via [Composer](#).

From:
<https://amasty.com/docs/> - **Amasty Extensions FAQ**

Permanent link:
https://amasty.com/docs/doku.php?id=magento_2:google_indexing_api

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