

**amasty**

For more details see how the [XML Google Sitemap for Magento 2](#) extension works.

# Guide for XML Google Sitemap for Magento 2

Automatically generate XML Sitemaps in an efficient way. Let your web store communicate with the search engines quickly and properly.

- Index your content way faster
- Include or exclude groups of links in the sitemap
- Individually set frequency and priority for each group of links
- Add images with titles and templates

Sitemaps are critical to search engine optimization. Basically, search engines may judge your web store by your sitemaps. Generate them with the XML Sitemap extension to meet all the necessary requirements and introduce your web store to Google in an appropriate way.

The extension is fully compatible with **Magento 2 Full Page Cache Warmer** extension. Create XML Google sitemap and easily use it for creating the URL cache warming queue.

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## XML Google Sitemaps Grid

Please navigate to **Admin panel → Content → SEO Toolkit → XML Google Sitemaps**


Use a grid to manage work with the sitemaps. To generate, duplicate and edit sitemaps use a drop-down in the **Action** column.

To create a new sitemap, click **Add New Sitemap** red button.

You can use **Filters** to apply a more detailed search within the grid. To specify which columns should be displayed on the grid, use **Columns** tab. You can also configure and select various grid display modes in the **View** tab.

## Manage Google XML Sitemaps

 demouser

[Add New Sitemap](#)
 Filters

 Default View

 Export

Actions

2 records found

20

per page

&lt;

1

of 1

&gt;

	Sitemap ID ↑	Name	Path	Url	Store View	Generated At	Action
<input type="checkbox"/>	2	Imported From Google Sitemap Settings	pub/media/google_sitemap_2.xml	<a href="https://seo-toolkit-m2.magento-demo.amasty.com/media/google_sitemap_2.xml">https://seo-toolkit-m2.magento-demo.amasty.com/media/google_sitemap_2.xml</a>	Main Website Main Website Store Default Store View	2017-08-29 13:19:57	<a href="#">Select</a>
<input type="checkbox"/>	1	Imported From Google Sitemap Settings	pub/media/google_sitemap_1.xml	<a href="https://seo-toolkit-m2.magento-demo.amasty.com/media/google_sitemap_1.xml">https://seo-toolkit-m2.magento-demo.amasty.com/media/google_sitemap_1.xml</a>	Main Website Main Website Store Default Store View	2017-08-29 13:19:46	<a href="#">Select</a>

Add the links to XML sitemaps to your **Google Search Console Account**. This way, the Google bot will have a list of pages that need to be opened and indexed.

Google Search Console

Inspect any URL in "https://ahrefs.com/blog/"

?

https://ahrefs.com/blog/

Overview

URL inspection

Performance

Search results

Discover

Index

Coverage

Sitemaps

Sitemaps


Add a new sitemap

https://ahrefs.com/blog/sitemap.xml

SUBMIT

Submitted sitemaps

Sitemap	Type	Submitted ↓	Last read	Status	Discovered URLs
/post-sitemap.xml	Sitemap	Jun 4, 2019	Sep 1, 2019	Success	212



# XML Sitemaps Configuration

## General Settings

When you add a new sitemap or start editing an already existing one, there is a set of specific configurations.

In the **General Settings** tab, you can specify the following values:

### General

Name *	<input type="text" value="Imported From Google Sitemap Settings"/>
Store *	<div>Default Store View</div>
Path to Sitemap File *	<div>pub/media/google_sitemap_2.xml</div> <p>Example: "sitemap/sitemap1.xml". Make sure path is writable and accessible through internet</p>
Create Sitemap File for Each Entity	<div><input checked="" type="checkbox"/> Yes</div> <p>When set to Yes, the extension will create a separate sitemap file for each included entity and add them to the sitemap index file. Exceeding Max Items per File / Max File Size (kB) values will create index files for each entity separately.</p>
Max Items per File	<div>50</div> <p>If exceed, index file will be created</p>
Max File Size (kB)	<div>50000</div> <p>If exceed, index file will be created</p>
Exclude URLs	<div><div></div><p>URL to exclude, one per line. Specify URL with * to exclude all similar URLs</p></div>
Date Format	<div>With time</div>

Indicate the name for your sitemap in the **Name** field.

In the **Stores** field, please choose which store a sitemap should be applied for.

Specify **Path to sitemap file**.

**Create Sitemap File for Each Entity** - set to 'Yes' to create a separate sitemap file for each included entity and add them to the sitemap index file

Google has some restrictions, concerning the size and quantity of items per file. It is recommended that **Max Items Per File** is less than **50,000 URLs**. And **Max File Size** is not larger than **50MB (52,428,800 bytes)**. If these parameters are exceeded, an index file will be created.

In **Exclude URLs** field, specify URLs that should be excluded from your XML Google sitemap.

You can exclude URLs using wildcards, e.g. <https://example.com/category/>\*. Thus, all similar URLs will be excluded as well.

**Date Format** - Here you can specify the date format for your XML sitemap: with time or without time.

## Product Links Settings

In the **Products** tab, you can configure settings for the product links.

## Products

---

Include Products	<input checked="" type="checkbox"/> Yes
Add Hreflang Tags	<input checked="" type="checkbox"/> Yes
Add Images	<input checked="" type="checkbox"/> Yes
Add Images Titles	<input type="checkbox"/> No
Priority	<input type="text" value="0.5"/> 0.01-0.99
Frequency	<div>Always ▼</div>
Include Last Modified	<input checked="" type="checkbox"/> Yes
Exclude out of Stock Products	<input checked="" type="checkbox"/> Yes
Exclude Product Types	<div><div>Simple Product</div><div>Virtual Product</div><div>Bundle Product</div><div>Downloadable Product</div><div>Configurable Product</div><div>Grouped Product</div></div>

Decide whether to **Include products** links in the sitemap or not.

**Add Hreflang Tags** - If the page has several variants in other languages, the references will be automatically added to the main link. So Google will know that there are pages with the appropriate language for site visitors from different countries.

**Add Images** - enable to include the links to product images in your sitemap.

**Add Images Titles** - enable to automatically add images titles.

**Priority** - Since the XML sitemap may contain several elements, you can set a priority for each type of elements. You can range the value from 0.01-0.99. It is recommended to set higher values (e.g. 0.08 - 1.00) for homepages, product info, main features, etc.

Specify **Frequency** of updates. Range from *never-yearly-monthly-weekly-daily-hourly-always*, judging on how often the product pages you add to the sitemap are being updated. It is recommended to set at least *weekly* for the product pages.

In the **Include Last Modified** field, choose Yes to include the date when the page was last modified.

**Exclude out of Stock Products** - set to 'Yes' to exclude the products from the sitemap that are currently out of stock.

**Exclude Product Types** - here you can specify the particular product types that should be excluded from the sitemap.

## Category Links Settings

In the **Category** tab, you can configure settings for the category pages links.

### Categories

Include Categories ☒ Yes

Sitemap Entity Filename

Value will be included in the sitemap filename. Example - sitemap\_products.xml

Add Hreflang Tags ☒ Yes

Add Images ☒ Yes

Priority

0.01-0.99

Frequency



Include Last Modified ☒ Yes

Exclude Categories



**Include categories** - enable to include category links in the sitemap.

**Add Hreflang Tags** - If the page has several variants in other languages, the references will be automatically added to the main link. So Google will know that there are pages with the appropriate language for site visitors from different countries.

**Add Images** - enable to include the links to product images in your sitemap.

**Add Images Titles** - enable to automatically add images titles.

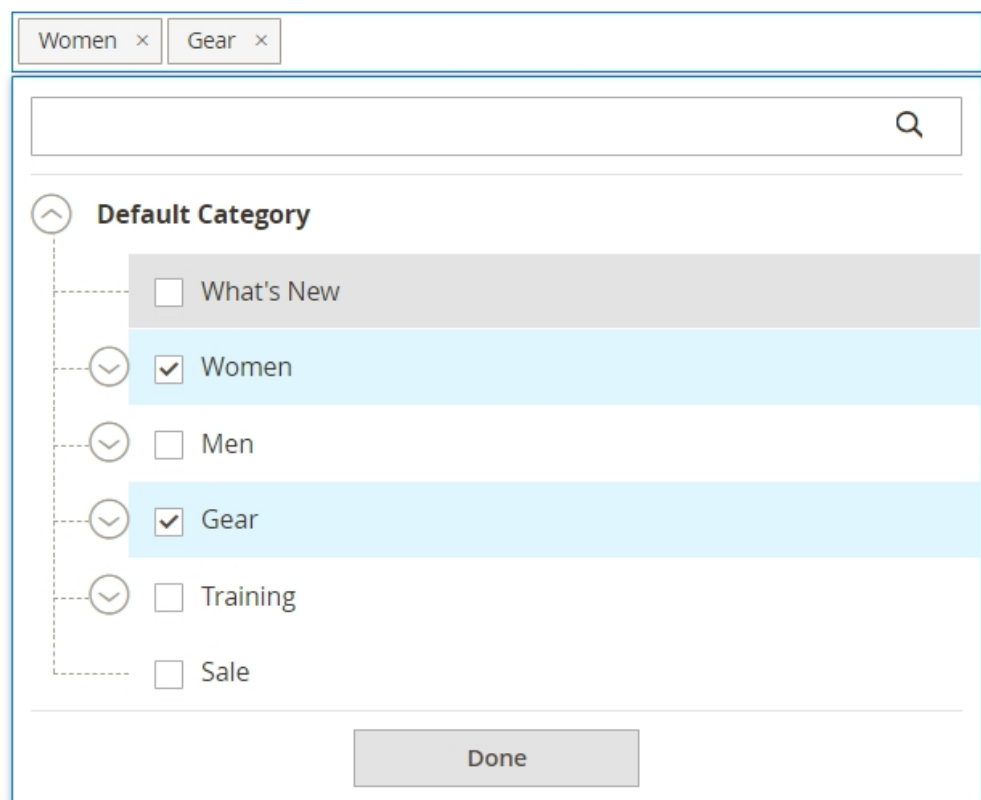
**Priority** - Since the XML sitemap may contain several elements, you can set a priority for each type of elements. You can range the value from 0.01-0.99. It is recommended to set higher values (e.g. 0.08 - 1.00) for homepages, product info, main features, etc.

Specify **Frequency** of updates. Range from *never-yearly-monthly-weekly-daily-hourly-always*, judging on how often the product pages you add to the sitemap are being updated. It is recommended to set at least *weekly* for the product pages.

In the **Include Last Modified** field, choose Yes to include the date when the page was last modified.

**Exclude Categories** - check categories that will be excluded from the sitemap

#### Exclude Categories



Women x Gear x

Search

Default Category

- ☐ What's New
- ☒ Women
- ☐ Men
- ☒ Gear
- ☐ Training
- ☐ Sale

Done

## CMS Links Settings



In the **CMS Pages** tab, you can configure settings for any CMS pages links.

## CMS Pages

---

Include Pages ☒ Yes

Add Hreflang Tags ☒ Yes

Priority

0.7

0.01-0.99

Frequency

Monthly

Include Last Modified ☒ Yes

Decide whether to **Include pages** links in the sitemap or not.

**Add Hreflang Tags** - If the page has several variants in other languages, the references will be automatically added to the main link. So Google will know that there are pages with the appropriate language for site visitors from different countries.

Specify **Priority** of importance. You can range the value from 0.01-0.99. It is recommended to set middle values (e.g. 0.04 - 0.07) for CMS pages.

Specify **Frequency** of updates. Range from *never-yearly-monthly-weekly-daily-hourly-always*, judging on how often the CMS pages you add to the sitemap are being updated. It is recommended to set at least *monthly* or *weekly* for the CMS pages.

In the **Include Last Modified** field, choose *Yes* to include the date when the page was last modified.

## Custom Items Settings

Create custom sitemap files for each entity to simplify your website sitemap structure.

## Custom Items

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XML Sitemap extension provides functionality to add custom pages generated by Amasty extensions to the sitemap. Please install an appropriate extension to utilize this feature.

List of supported extensions:



Amasty Improved Layered Navigation (Pages)

Amasty Shop by Brand

Amasty Blog Pro

Amasty Landing Pages

Amasty FAQ and Product Questions

Amasty Store Locator

Include Custom Items



Yes

Include Custom Items - set to **'Yes'** to add custom items when a sitemap is generated

## Extra Links Settings

In this section, you can add extra links to your XML sitemap. Configure the settings for this tab the same way, as was described in the previous sections.

## Extra

---

Include Extra Links



Priority

0.5

0.01-0.99

Frequency

Monthly



Extra Links to include

https://example.com/partners.html



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## Add Items From Any Extensions

XML Sitemap extension provides functionality to add custom pages generated by Amasty and other extensions to the sitemap.

For now, the list of supported Amasty extensions is the following:

- Amasty Improved Layered Navigation (Pages)
- Amasty Shop by Brand
- Amasty Blog Pro
- Amasty Landing Pages
- Amasty FAQ and Product Questions

To utilize this feature, you should have the appropriate extension installed. Then, to include the pages of a particular extension to the sitemap, you should do the following:

- **Add the config of the required entity** to the **di.xml** file (CompanyName/ModuleName/etc) in the way as it is shown in the example below:

```
<type name="Amasty\XmlSitemap\Model\Sitemap\XmlGenerator">
    <arguments>
        <argument name="sources" xsi:type="array">
```

```
<item name="custom_item_unique_name"
xsi:type="object">CompanyName\ModuleName\Model\XmlSitemap\DataProvider</item
>

</argument>
<argument name="handlers" xsi:type="array">

    <item name="custom_item_unique_name" xsi:type="array">

        <item name="wrapper" xsi:type="string">url</item>

        <item name="loc" xsi:type="string">loc</item>

        <item name="frequency"
xsi:type="string">changefreq</item>

        <item name="priority" xsi:type="string">priority</item>

    </item>

</argument>

</arguments>

</type>

<type name="Amasty\XmlSitemap\Model\Sitemap">

    <arguments>

        <argument name="entities" xsi:type="array">

            <item name="custom_item_unique_name"
xsi:type="string">custom_item_unique_name</item>

        </argument>

    </arguments>

</type>

<type name="Amasty\XmlSitemap\Model\Sitemap\SourceProvider">

    <arguments>
```

```

        <argument name="sources" xsi:type="array">

            <item name="custom_item_unique_name"
xsi:type="string">CompanyName\ModuleName\Model\XmlSitemap\DataProvider</item
>

        </argument>

    </arguments>

</type>

```

- Now you should **create a class** CompanyName\ModuleName\Model\XmlSitemap\DataProvider in the way as it is shown in the example below:

```

<?php

declare(strict_types=1);

namespace CompanyName\ModuleName\Model\XmlSitemap;

use Amasty\XmlSitemap\Api\SitemapInterface;
use Magento\Framework\Phrase;
use Magento\Framework\UrlInterface;
use Magento\Store\Model\StoreManagerInterface;

/**
 * Amasty_XmlSitemap entity provider
 */
class DataProvider
{
    private const ENTITY_CODE = custom_item_unique_name;

    /**
     * @var PageFactory
     */
    private $pageFactory;

    /**
     * @var string
     */
    private $baseUrl;

    /**
     * @var StoreManagerInterface
     */
    private $storeManager;

    public function __construct(

```

```
        PageFactory $pageFactory,
        StoreManagerInterface $storeManager
    ) {
        $this->pageFactory = $pageFactory;
        $this->storeManager = $storeManager;
    }

    public function getData(SitemapInterface $sitemap): \Generator
    {
        $sitemapEntityData =
        $sitemap->getEntityData($this->getEntityCode());

        foreach ($this->getCollection($sitemap->getStoreId()) as $item) {

            yield [
                [
                    'loc'          => $item->getUrl(),
                    'frequency'    => $sitemapEntityData->getFrequency(),
                    'priority'     => $sitemapEntityData->getPriority()
                ]
            ];
        }
    }

    private function getCollection(int $storeId): array
    {
        return []; //create your custom item collection
    }

    public function getEntityCode(): string
    {
        return self::ENTITY_CODE;
    }


    public function getEntityLabel(): Phrase
    {
        return __('Your Label');
    }
}
```


- The required entity will appear in the **Custom Items** tab in the sitemap configuration window and will be available for adding to the XML sitemap.


Click **Add New Item** to add a new entity to your XML sitemap.

SITEMAP CONFIGURATION


General

Products 




Categories 

CMS Pages 

Custom Items

Extra 

## Custom Items

Item Name	Priority	Frequency	
Amasty Blog Pro 	0.7	always 	
<div>Add Item</div>			

**Item Name** - here you can see the list of available entities from other Amasty extensions and choose the needed one from the dropdown.

**Priority** - here you can specify the priority of the entity pages the same way you did for other pages. You can range the value from 0.01-0.99.

**Frequency** - the same setting as for other pages. Here you can specify the frequency of updates: never-yearly-monthly-weekly-daily-hourly-always.

## Cron Settings

Set frequency for cron job. Cron is responsible for indexing and sitemap generation.

### Cron Settings

Frequency

[global]

Daily



Start Time

[global]

00



:

00



:

00



# Cron Tasks List

Magento 2 XML Google Sitemap extension is preintegrated with Cron Tasks List to provide store owners with an opportunity to track and manage all cron tasks running in the website background.

To view all scheduled and executed cron tasks, go to **System → Cron Tasks List**

Run all cron tasks and generate their schedule by clicking the ‘Run Cron’ button. Also you can delete separate tasks in bulk, apply filtering and sorting options when it is needed.

## Cron Tasks List

Run Cron

Last Cron Activity: 20 seconds ago

Filters

Default View

Columns

Actions

652 records found

20 per page

1 of 33

	ID	Job Code	Status	Created At	Scheduled At	Executed At	Finished At
<input type="checkbox"/>	1038	sales_grid_order_shipment	SUCCESS	Mar 18, 2019 5:47:11 AM	Mar 18, 2019 5:47:00 AM	Mar 18, 2019 5:47:20 AM	Mar 18, 2019 5:47:20 AM
<input type="checkbox"/>	1058	sales_grid_creditmemo_async	SUCCESS	Mar 18, 2019 5:47:11 AM	Mar 18, 2019 5:47:00 AM	Mar 18, 2019 5:47:20 AM	Mar 18, 2019 5:47:20 AM
<input type="checkbox"/>	1078	sales_send_order_emails	SUCCESS	Mar 18, 2019 5:47:11 AM	Mar 18, 2019 5:47:00 AM	Mar 18, 2019 5:47:20 AM	Mar 18, 2019 5:47:20 AM
<input type="checkbox"/>	1098	sales_order_invoice_emails	SUCCESS	Mar 18, 2019 5:47:11 AM	Mar 18, 2019 5:47:00 AM	Mar 18, 2019 5:47:20 AM	Mar 18, 2019 5:47:20 AM
<input type="checkbox"/>	1118	sales_send_order_shipment	SUCCESS	Mar 18, 2019 5:47:11 AM	Mar 18, 2019 5:47:00 AM	Mar 18, 2019 5:47:20 AM	Mar 18, 2019 5:47:20 AM
<input type="checkbox"/>	1196	indexer_reindex_all_invalid	SUCCESS	Mar 18, 2019 5:47:13 AM	Mar 18, 2019 5:47:00 AM	Mar 18, 2019 5:47:21 AM	Mar 18, 2019 5:47:21 AM
<input type="checkbox"/>	1200	indexer_update_all_views	MISSED	Mar 18, 2019 5:47:13 AM	Mar 18, 2019 5:47:00 AM	Mar 18, 2019 5:47:21 AM	Mar 18, 2019 5:47:21 AM
<input type="checkbox"/>	1018	sales_grid_order_invoice_async	SUCCESS	Mar 18, 2019 5:47:11 AM	Mar 18, 2019 5:47:00 AM	Mar 18, 2019 5:47:20 AM	Mar 18, 2019 5:47:20 AM
<input type="checkbox"/>	1024	sales_grid_order_invoice_async	PENDING	Mar 18, 2019 5:47:11 AM	Mar 18, 2019 5:53:00 AM		
<input type="checkbox"/>	1025	sales_grid_order_invoice_async	PENDING	Mar 18, 2019 5:47:11 AM	Mar 18, 2019 5:54:00 AM		

# Hreflang URLs



## Hreflang URLs

<b>Hreflang URLs Scope</b> <small>[global]</small>	<div>Global ▼</div> <p>Choose <b>Website</b> to work within one website only or <b>Global</b> to work between the websites</p>
<b>Language Code</b> <small>[store view]</small>	<div>From Current Store Locale ▼</div>
<b>Country Code</b> <small>[store view]</small>	<div>From Current Store Default Country ▼</div>
<b>X-default</b> <small>[website]</small>	<div>--Please Select-- ▼</div> <p>If <b>Hreflang Scope</b> is <b>Global</b>, values from website scope for this setting will be ignored</p>
<b>Multi-Stores CMS Pages Relation</b> <small>[global]</small>	<div>By ID ▼</div> <p>Choose the way how to identify the same CMS page for different views. By Hreflang UUID option is to be specified for each CMS page manually</p>

### Hreflang URLs Scope:

- *Website* - select to work within one website
- *Global* - select to work between the websites

**Language Code** - Specify the language of the audience you want your content introduce to. The option From Current Store Locale is available.

**Country Code** - Specify the region you want your content introduce to (optional). The options From Current Store Default Country and Don't add are available.

**X-default** - Specify which store in the XML sitemap will be tagged as a default.

**Multi-Stores CMS Pages Relation** - The option allows to look for alternative links within various websites with different language and region codes.

- By ID - Relates the pages (from different stores) that have the same ID's;
- Hreflang UUID - Relates the pages (from different stores) that have the same UUID's;
- Hreflang URL Key - Relates the pages (from different stores) that have the same URL Keys;

You can use an XML sitemap to tell Google all of the **language and region variants for each URL**. Therefore if you have 3 versions of a page, your sitemap will have entries for the URLs of each version, and each entry will have 3 identical child entries. See the detailed example [here](#).

For more information on **hreflang** functionality, check [Google article](#).

With the hreflang enabled the sitemap can be incorrectly displayed in a browser. However, Google will

still receive the correct XML sitemap data.

## XML Sitemap Generation via SSH

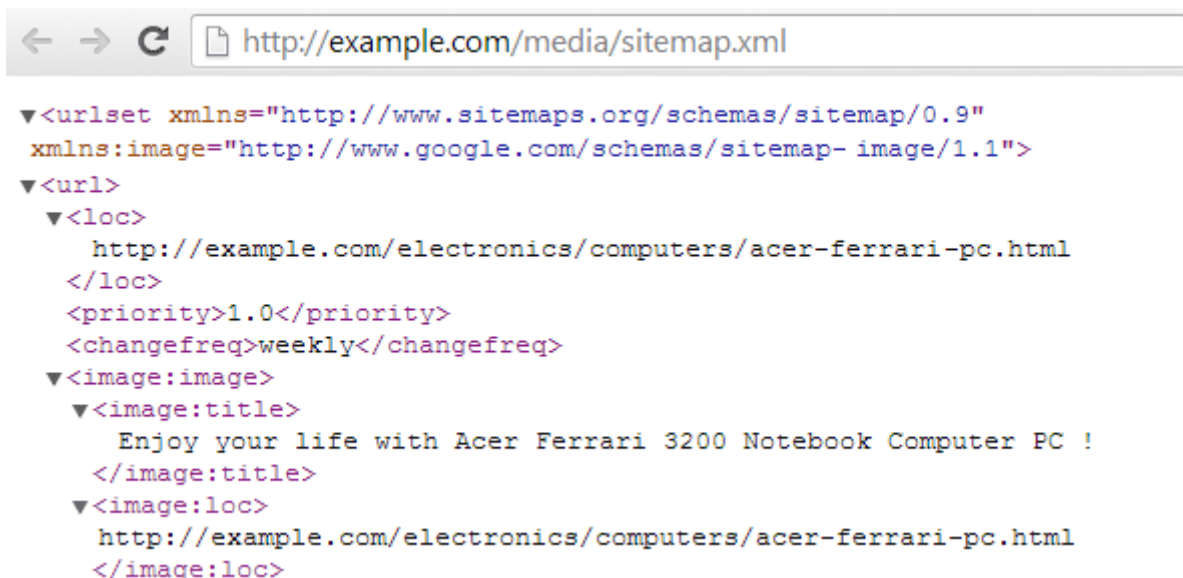
Please, execute the following command to manually generate the XML sitemap via SSH:

```
php bin/magento amasty:xmlsitemap:generate
```

To generate a specific sitemap, please, use the following command and substitute the **sitemap\_id** with the required name:

```
php bin/magento amasty:xmlsitemap:generate sitemap_id
```

## XML Sitemap Sample



Find out how to install the **XML Google Sitemap** extension for Magento 2 via [Composer](#).

From:

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

Permanent link:

[https://amasty.com/docs/doku.php?id=magento\\_2:xml-google-sitemap](https://amasty.com/docs/doku.php?id=magento_2:xml-google-sitemap)

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