



IMPORT/EXPORT PRODUCT ATTRIBUTES FOR MAGENTO 2

USER GUIDE



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1. Import/Export Product Attributes for Magento 2 Overview

[Import/Export Product Attributes for Magento 2](#) extension helps administrators to quickly import product attributes into websites via a standard CSV file. Admin need to prepare this CSV file with all necessary information about product attributes, then import by only one click. Moreover, the extension also support exporting all available attributes into a CSV file conveniently.

Import/Export Product Attributes for Magento 2 extension is often used in case store owners want to change their Magento 2 websites into new ones or change from another platform to Magento 2. Therefore, installing this module, they don't take them much time and human resource to do manually as before.

2. How Does Import/Export Product Attributes for Magento 2 Work?

2.1. Import Product Attributes

You go to **System → Data Transfer → Import**.

2.1.1. In Import Settings

You select **Product Attributes** in the drop-down list of **Entity Type**.

Validate imported data
Check Data

i Make sure your file isn't more than 2M.

Import Settings

Entity Type * [Download Sample File](#)

Import Behavior

Import Behavior * Support Add/Update, Replace and Delete as 3 import behavior

*

Allowed Errors Count *
Please specify number of errors to halt import process

Field separator *

Multiple value separator *

File to Import

Select File to Import * product_attributes.csv

2.1.2. In Import Behavior

- **Import Behavior:** There is 3 options for you to select.

+ **Add/Update:** This option allows administrators to add new attributes into the website. In addition, it also updates attributes if their attribute_codes exist.

+ **Replace:** This option allows administrators to add new attributes into the website. In case attribute_codes in the import data match with attribute_codes of existing attributes, these attributes are deleted and new records are created using the CSV data.

+ **Delete:** This option allows administrators to remove attributes in case their attribute_codes exist.

Next, you select one option from the drop-down list to determine how the system operates when there are errors in the import process.

+ **Stop on Error:** the system stops importing when there are errors.

+ **Skip error entries:** the system skips errors and continues to import.

- **Allowed Errors Count:** This setting allows you to choose the allowed maximum number of errors when importing. If the number of errors happening in the import process exceeds that maximum number you fill in this field, the system will stop importing.
- **Field separator:** Fill in a character to separate fields. In our CSV sample file, the comma (,) is set up as default value.
- **Multiple value separator:** Choose a character to separate data in a field column. In our CSV sample file, the vertical bar (|) is set up as default value.

*NOTES: If you want to separate values of the same attribute for 2 different stores, you must use the semi-colon (;).

For example:

AL2	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP
	is_visible	is_filterable	search_weight	is_html_allowed	used_in_group	used_for_swatches	swatch_in_attribute	attribute_options_swatches				
	0	1	1	1	1	0	visual	0:Black;1:0:#000000:1 0:#1857f7:1 0:#945454:1 0:Hike 0:Outdoor 0:Running 0:Warmup 0:Yoga				
	0	0	1	1	0	0						
	0	1	1	0	0	0						
	1	1	1	1	0	0	text	2:Test1;0:Admin 1;1:1:Swa1;0;2:Swa2;0 1:Swa3;				

2.1.3. CSV file preparation

Before you import product attributes via a CSV file, you need to prepare the CSV file with enough necessary information. You can download this CSV sample file by clicking **Download Sample File**. Then you open this file and fill in fields:

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
entity_type	attribute_id	attribute_name	attribute_group_id	is_global	is_user_defined	is_filterable	is_visible	is_required	is_visible	is_searchable	is_unique	frontend_is_visible	is_comparable	is_comparable
4	color_test	Bottom	Product D	1	1	1	1	0	0	0	0		0	0
4	option_test	Test	Product D	1	1	1	1	0	1	0	0		0	1
4	simple_test	Top	Product D	1	0	0	1	0	0	0	0		0	0

For Option Images: Input field allows enter image links (images of attribute options if swatch_input_type is visual. Please remember to enter the link of image which are available in Magento database) and this link includes less than 50 characters.

For example:

AM2	AE	AF	AG	AH	AI	AJ	AK	AL	AM
is_visible	is_filterable	search_weight	is_html_allowed	used_in_group	used_for_switch	in_attribute_group	attribute_options	swatch_visual	
0	1	1	1	1	0	visual	0:Black;1:	0:a/_/a.jpg:2 0:b/_/b.jpg:2	

***NOTES:**

- Your CSV file must include enough the number of column like the sample file so that you can successfully import. (If the number of column is greater or less than those in the sample file, the system will notify you about errors occurring).
- When **attribute_set** of an attribute is left blank, this attribute is added as a new one and does not belong to any attribute sets or any attribute groups. (With

version 1.0.4, you can assign 1 attribute for many attribute sets in only 1 row in the CSV file. The format of the attribute set column is **attributeSet1|attributeSet2|...**)

- When you enter an **attribute_set** and an **attribute_group_name** that do not exist in the database, this **attribute_set** and **attribute_group_name** are automatically created as new ones.
- If you enter the wrong product type in the "**apply_to**" column, the value of this column is changed into NULL.
- For columns with **values as 0 or 1**: if you enter the wrong value, the system will change into default value as 0.
- For **swatch_input_type**: there are 2 things for you to fill: visual and text (visual includes color and image).
- In "**attribute_options_swatchvisual**" column: every data in this column must include the value with format as **store_id: value: type**.
 - + Store_id is always 0 because there is only 1 swatch for every store.
 - + Value: is the value of swatch (it can be the image link or color code).
 - + Type: is specified in the database. 1 is corresponding to **visual color** type and 2 is corresponding to **visual image** type.

For example:

+ Visual color type: 0:#000000:1

+ Visual image type: 0:a/_/a.jpg:2

- In "**attribute_options_swatchtext**" column: data in this column is formatted as **store_id:value:type**.
 - + Store_id: you are only allowed to enter 1,2,... which are corresponding to stores. Don't enter 0 for store_id.
 - + Value: is the value of swatch.
 - + Type: is always 0.

For example: **1:S:0;2:Small:0**

- Data in the **attribute_option** column is the corresponding label for data in the **attribute_options_swatchvisual** or **attribute_options_swatchtext** columns.

Therefore, if your data format is **store_id::type** (you leave value empty), the system will import value equal null.

- For columns including multiple values, you need to add multiple separator in the end. For example: **0:KBowl1;2:Elongated;1:Allong|**
- If your CSV file includes special characters that belong to your own language (in case you do not use English), you need to convert your CSV file to UTF-8 format. You can read our instruction [HERE](#).
- You mustn't leave backend_type column empty:
 - + if backend_type is static, you need to create a column in the catalog_product_entity. If you don't do this one, you cannot save attribute's value when saving product. However, we think it's better that you shouldn't select backend_type as static.
 - + If backend_type is varchar, int, decimal, text, or datetime, you can definitely save attribute's value.

2.1.4. In File to Import

File to Import

Select File to Import * No file chosen

Images File Directory

For Type "Local Server" use relative path to Magento installation, e.g. var/export, var/import, var/export/some/dir

After you have finished the CSV file, tab **Choose File** button to select the file to import.

2.1.5. Check Data and Import

After you select the CSV file, you need to click **Check Data** button to validate data before importing.

- If you CSV file is free from errors, there is a message to notify validation results and Import button now appears to click .

File to Import

Select File to Import * product_attributes.csv

Images File Directory

For Type "Local Server" use relative path to Magento installation, e.g. var/export, var/import, var/export/some/dir

Validation Results

Checked rows: 3, checked entities: 0, invalid rows: 0, total errors: 0

File is valid! To start import process press "Import" button

You click Import button to start importing product attributes in the CSV file into Magento 2 website. To check these imported attributes, you navigate to

Stores → **Products Attributes** to see them in a grid view:

Product Attributes import-export-pr...

Search [Reset Filter](#) 69 records found 20 per page 1 of 4

Attribute Code	Default Label	Required	System	Visible	Scope	Searchable	Use in Layered Navigation	Comparable
<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
activity	Activity	No	No	Yes	Global	No	Filterable (with results)	Yes
category_gear	Category Gear	No	No	Yes	Global	No	Filterable (with results)	No
category_ids	Categories	No	Yes	No	Global	No	No	No
climate	Climate	No	No	Yes	Global	No	Filterable (with results)	No
collar	Collar	No	No	Yes	Global	No	Filterable (with results)	No
color	Color	No	No	No	Global	No	Filterable (with results)	No

- If your CSV file includes errors, Import button cannot be displayed for you to click and there is notification about these problems.

***NOTE:** You had better take a notice about these following issues in the CSV file which affect data checking.

- **Errors in the CSV file make you not successfully import:**

+ Leave **attribute_code** as blank.

+ Enter the wrong **Entity Type ID**.

+ Enter a number of columns which are greater or less than those in the sample CSV file. (Please follow the sample file we provide you and don't add more columns or remove).

+ Enter the wrong value in the "**is_global**" column. (Please remember the standard values just includes 1,2 and 3).

- **Moreover, your CSV file includes some specific errors, but the system will skip and continues to import as well as still notifies you about problems.**

Let's check these errors as below:

+ Enter the wrong **backend_type** or **frontend_input**.

+ Enter the wrong **attribute_code** when you choose Import behavior as **Delete**.

+ Enter the different multiple value separator from the one set up in the backend.

+ Enter the wrong format in the "**attribute_option**" or "**attribute_option_swatch**" columns.

When you are in this situation, your CSV file is still imported but it contains errors. Therefore, thank to notification about these errors, you can edit the file and also do it better for the next time.

2.2. Export Product Attributes

You go to **System** → **Data Transfer** → **Export**.

2.2.1. In Export Settings

You select **Product Attributes** in the drop-down list of **Entity Type**.

You choose CSV in the **Export File Format** field.

The screenshot displays the 'Export' configuration page in Magento 2. Under 'Export Settings', the 'Entity Type' is set to 'Product Attributes' and the 'Export File Format' is set to 'CSV'. In the 'Entity Attributes' section, the 'Entity Type' dropdown menu is open, showing options: 'All', 'Bag', 'Bottom', 'Default', 'Downloadable', 'Gear', 'Sprite Stasis Ball', 'Sprite Yoga Strap', and 'Top'. The 'All' option is highlighted. A red callout box points to this option with the text: 'Export all product attributes or export each attribute set.' A 'Continue' button is located to the left of the dropdown. The footer contains 'Copyright © 2017 Magento, Inc. All rights reserved.' and 'Magento ver. 2.1.7 Report Bugs'.

2.2.2. In Entity Attributes and Export

In **Entity Type** section: you can export all available product attributes by choosing All from the drop-down list or export each attribute set.

Then click **Continue** button to export chosen items in a CSV file.

3. Updates for New Versions

Version 1.0.4

- If you are using Magento 2.1.8 or higher versions, you can add value for **attribute_options_text** in the admin:
For example:
0:Swa2:0;1:Swa1:0|0:Swa4:0;1:Swa3:0|0:Swa6:0;1:Swa5:0|0:Swa8:0;1:Swa7:0
- If store_id is not matched with attribute swatch text or in the two columns of **attribute_options** và **attribute_options_text**, you fill a store_id which does not exist, you will face an error in this case.

- You can assign 1 attribute for many attribute sets in only 1 row in the CSV file.
The format of the attribute set column is **attributeSet1|attributeSet2|...**

4. Contact Us



Any questions or concern about us, feel free to contact:

Website: <http://bsscommerce.com>

Support: support@bsscommerce.com

Skype: support.bsscommerce

BSS Support team is always ready to aid you with any issue referring to our products. Additionally, we also give you Website development and Administration Support.

We do offer:

1. Free installation services for commercial products.
2. Free updates within offered support period.

Our duties:

1. Responsibility for resolving product bugs.
2. Help with technical queries.
3. Technical support in installation and product usage.

