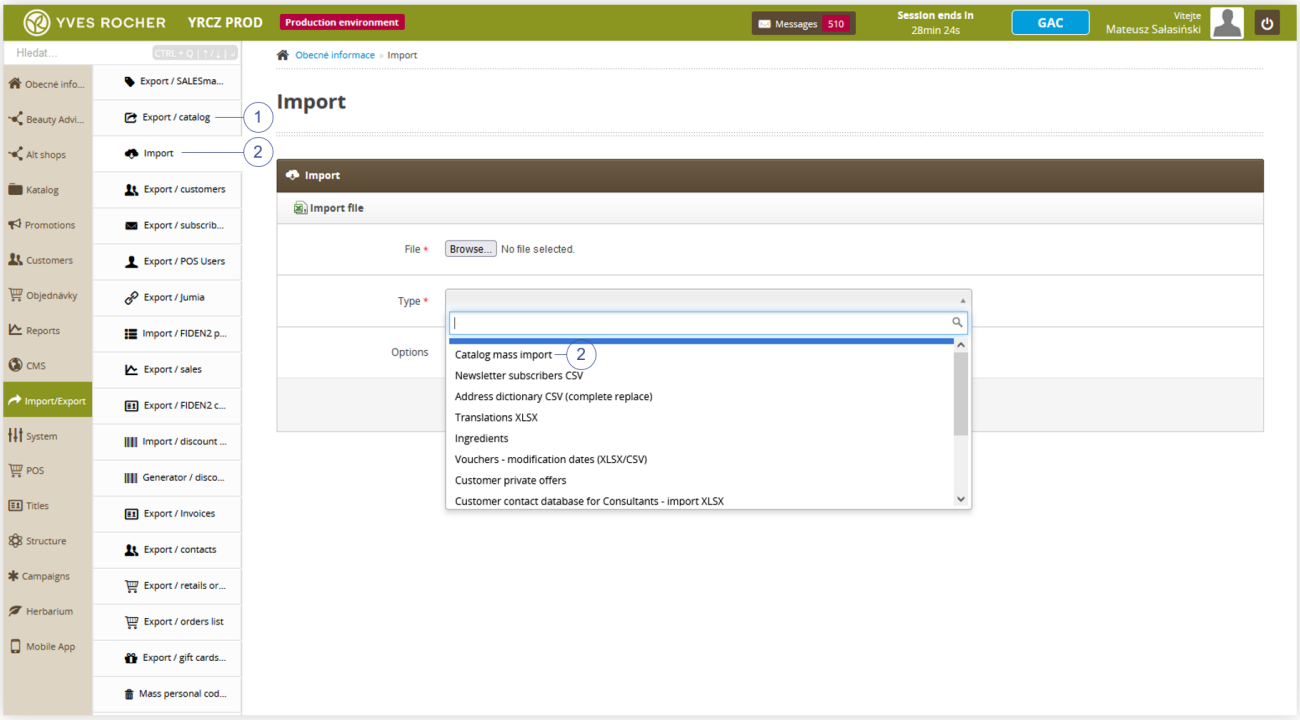
Product catalog export and import

Getting started

In this article, you will learn how to extract a product catalog in the form of CSV files and how to import it back. The overview for each product catalog file is here.

Export can be found in ***Import / Export > Export / catalog (1)***

Import can be found in ***Import / Export > Import > Type > Catalog mass import (2)***



Visualization of the product catalog options in the Import / export module

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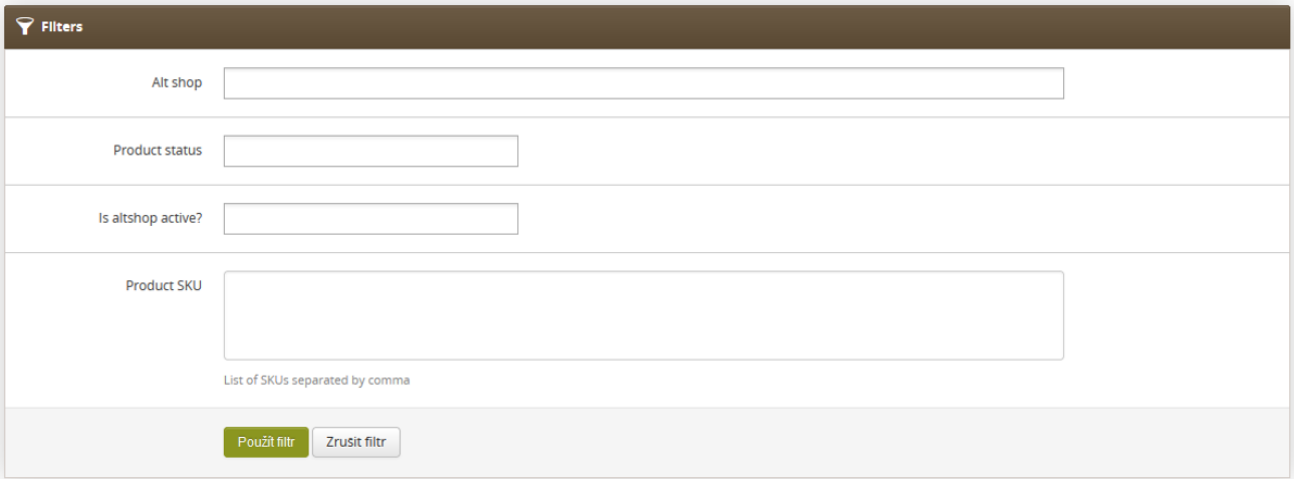
Export catalog

Catalog export has some filtering options for thinning out the results of extracted data.



Visualization of the Catalog export

- **Alt shop** - Chooses for which alt shop the catalog should be exported. If left empty, products from all alt shops will be exported. You can learn more about altshops in the Alt shops - Introduction article.
- **Product status** - Chooses between **Active** and **Inactive** products. If left empty, all products will be exported.
- **Is altshop active?** - Choose if the product exported are active on chosen altshop or inactive.
- **Product SKU** - A list of product SKUs. A list of multiple SKUs needs to be separated by commas (i.e. 123456,654321,55555).
- **Two buttons**:
  - **Apply filters** - A button, which will apply selected filters and automatically start the download of the filtered products.
  - **Clear filters** - A button, which clears all already chosen filters.

Exported files described in Catalog files section are packed in a .zip file, which needs to be unpacked.

Catalog files

The downloaded archive will contain the following files:

- **alt_shop_catalog_product.csv** - Contains data for **Alt shops > Products / list** (You can find more information about this module in Products / list - browsing and managing products in altshop module article)
- **catalog_product.csv** - Contains data for **Catalog > Products / list** (More information about this module in **[UNDER CONSTRUCTION]**)
- **catalog_product_attribute.csv** - Contains data for **Catalog > Products / list > View product > Add color** (More information about this module in **[UNDER CONSTRUCTION]**)
- **catalog_product_description.csv** - Contains data for **Catalog > Products / list > View product, Description tab** (More information about this module in **[UNDER CONSTRUCTION]**)
- **catalog_product_meta.csv** - Contains data for
- **Catalog > Products / list > View product, Metadata tab** (More information about this module in **[UNDER CONSTRUCTION]**)

- **catalog_product_stock.csv** - Contains data for **Catalog > Products / list > View product, Stock tab** (More information about this module in **[UNDER CONSTRUCTION]**)
- **dict_property.csv** - Contains data for **Catalog > Properties / list** (More information about this module in **[UNDER CONSTRUCTION]**)
- **dict_tag.csv** - Contains data for **Catalog > Tags / list** (More information about this module in **[UNDER CONSTRUCTION]**)
- **dict_tag_catalog_product.csv** - Contains data for **Catalog > Products / list > View product, Tags tab** (More information about this module in **[UNDER CONSTRUCTION]**)
- **catalog_product_category.csv** - Contains data for Catalog > Products / list > View product, **edit product tab**. You can find more information about the category module in Catalog categorization article.
- **dict_tag_catalog_product_remove.csv** - Contains exact same data structure as **dict_tag_catalog_product.csv**, but it removes the assigned tags from the selected products.

Catalog import

All the exported files can be edited and imported back to the administration panel to update catalog data. Files can be imported separately or in groups but their import must always be consolidated in a .zip file. The file names must be exactly the same as defined in this article and they cannot be changed. There are no mandatory files, so it is possible to import only **catalog_product_description.csv** without any other files as long as it is in the .zip file. Packed .csv files can be in any folder structure as long as file names are not duplicated.

Other file formats than .zip will be rejected and won't be uploaded.

Files specification

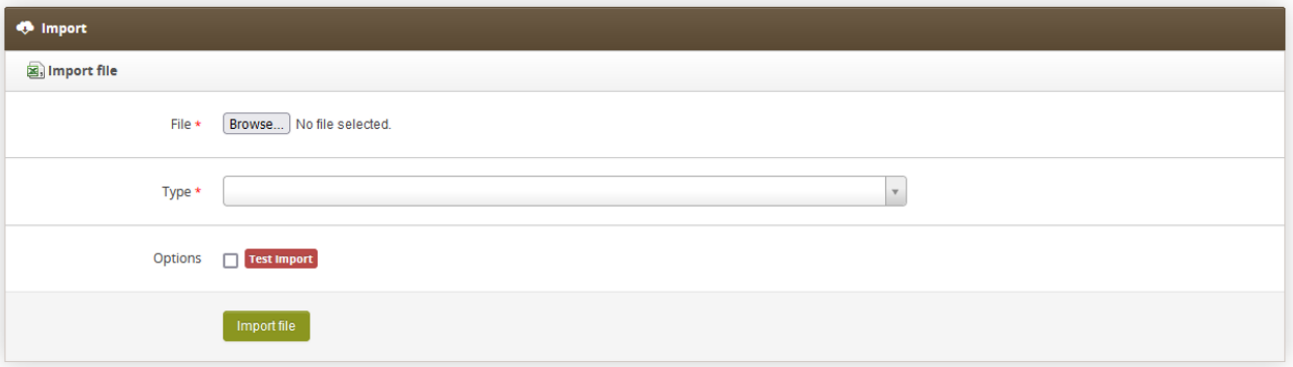
Since the imported files directly correspond with the database some rules must be followed while creating and editing import files, here is a general specification for these:

- Field type **BOOLEAN:**
  - **0** - NO
  - **1** - YES
- Field type **DATE** must be in the following format "**YYYY-MM-DD**"

- **EOL (End Of Line)** column must contain EOL in every row with a product. This column shows our system, that for a selected product its info ends with this column, and the system can move to another row. Here is an example of **EOL** use:
  - column1;column2;EOL
  - “abc”;”abc”;EOL
  - “cde”;”cde”;EOL
- The decimal separator must be a dot "**.**" for example: "**199.99**"
- While editing files in text editors (not spreadsheets) all columns have to be separated by **semicolon** "**;**"
- **STRING** field type can be filled with any text and/or number. The only exception to this exists in every field with **URL** value, these must be strings without any special/regional characters besides "/" as a start to the URL and "_" as a separator for word f.x. "**/new_product_sku_123**"

How to make mass import

Mass import is a product import of a ZIP file that contains prepared .csv files. This operation changes the product data based on their SKU or creates a new product if the selected SKU doesn't exist in the catalog database. You don't need to put every .csv file in the .zip, only the ones that you have modified can be put in the .zip file and then imported. In order to import catalog files, they have to be in CSV format, coded in UTF-8. Go to ***Import/Export > Import*** and choose ***Catalog mass import*** *in the* **Type***.*



Visualization of Import / Export, Import

- **File *** - **Choose a file,** and find your zip archive with CSV files.
- **Type*** - Click and choose **Catalog mass import** in order to perform the change in the catalog database.
- **Options** - **Test import** allows for virtual database calculation after importing a chosen archive. You'll be able to check the results of this import by receiving a report for each imported file. Test import won't perform any actual changes in the environment.
- **Import file** - Click to perform an import. The file will start processing right after clicking.

> **Remember**
>
> Product descriptions can be enriched by HTML and CSS codes.

Overview - catalog_product.csv

File ***catalog_product.csv*** contain mainly data regarding imported products. Mass import of this file allows to:

- Adding new records
- Updating records (on a base of unique SKU)

#	Column name	Value type	Max length	Can be empty?	Description	What, if empty
1	SKU	STRING	7	No	Product code	-
2	is_active	BOOLEAN (0/1)	1	No	Is the product visible?	-
3	name	STRING	255	No	Product name	-
4	title	STRING	255	Yes	Title for product	Empty product title

5	short_description	STRING	255	Yes	Short description	Empty description
6	capacity	STRING	125	Yes	Capacity/size of the product	Capacity undefined
7	sort_order	INTEGER	1	Yes	Sort Order	0
8	price	DECIMAL	10,2	No	Catalog price	-
9	f_green_point	BOOLEAN (0/1)	1	Yes	Flag: green point	0
10	f_bestseller	BOOLEAN (0/1)	1	Yes	Flag: bestseller	0
11	f_limited_edition	BOOLEAN (0/1)	1	Yes	Flag: limited edition	0
12	f_set	BOOLEAN (0/1)	1	Yes	Flag: set	0
13	f_gift	BOOLEAN (0/1)	1	Yes	Flag: gift	0
14	f_gift_choice	BOOLEAN (0/1)	1	Yes	Flag: gift of choice	0
15	f_outlet	BOOLEAN (0/1)	1	Yes	Flag: outlet 0	0
16	is_new_until	DATE	10	Yes	Date till the product is marked as "new". Should be in a DD-MM-YYY format.	The product won't be marked as "new"
17	friendly_url	STRING	255	Yes	URL for the product	-

18	ean	STRING	13	Yes	EAN code. Multiple EANs can be separated by a comma (,). The system verifies in the import process if the typed EAN is in correct EAN-8 or EAN-13 format.	-
19	EOL	STRING	3	No	Always must be “EOL”	-

Overview - catalog_product_description.csv

File ***catalog_product_description.csv*** contains descriptions for the products. Mass import allows to:

- Adding new records
- Updating records (on a base of unique SKU)

> **Warning**
>
> There must be a product in the database with SKU matching the value of the SKU column in order to apply any changes.

#	Column name	Value type	Max length	Can be empty?	Description	What, if empty
1	SKU	STRING	7	No	Product code	-

2	description_main	STRING	undefined	Yes	Main description	empty description
3	description_effect	STRING	undefined	Yes	Effects description	empty description
4	description_usage	STRING	5	Yes	Usage description	empty description
5	description_ingredient	STRING	undefined	Yes	Ingredients	empty description
6	description_capacity	STRING	undefined	Yes	Type of package and capacity	empty description
7	description_additional_info	STRING	undefined	Yes	Additional information	empty description
8	description_notes	STRING	undefined	Yes	Results	empty description
9	EOL	STRING	3	No	Always must be “EOL”	-

Remember

New lines in descriptions fields will be changed to
 HTML can be used to customize the text.

Overview - catalog_product_attribute.csv

File ***catalog_product_attribute.csv*** contains data about color variants of imported products. Mass import allows to:

- Adding new records
- Updating records (on a base of unique SKU)

> **Warning**
>
> There must be a product in the database with SKU matching the value of the SKU column in order to apply any changes. If there is no color from the color column in the database then a new color will be created and assigned to the new attribute.

#	Column name	Value type	Max length	Can be empty?	Description	What, if empty
1	SKU_parent	STRING	7	No	Code of the parent product	-
2	SKU	STRING	7	No	Code of the color variant	-
3	color	STRING	255	No	Color name	-
4	is_active	BOOLEAN (0/1)	1	No	Flag: is active?	-
5	EOL	STRING	3	No	Always must be “EOL”	-

Overview - catalog_product_stock.csv

File ***catalog_product_stock.csv*** contains information about the stock resources of the imported products. Mass import allows to:

- Updating records (on a base of unique SKU)

> **Warning**
>
> There must be a product in the database with SKU matching the value of the SKU column in order to apply any changes.

#	Column name	Value type	Max length	Can be empty?	Description	What, if empty
1	SKU	STRING	7	No	Product code	-
2	stock_value	INTEGER	5	No	Amount of stock value	-
3	always_in_stock	BOOLEAN(0/1)	1	Yes	Flag: product is always in stock	0
4	min_stock_value	INTEGER	5	Yes	Minimal stock value	Default value from the database
5	warn_stock_value	INTEGER	5	Yes	Stock limit at which administrator will receive a warning about low stock value	Default value from the database
6	EOL	STRING	3	No	Always must be “EOL”	-

Overview - dict_tag_catalog_product.csv

File ***dict_tag_catalog_product.csv*** contains information about tags of imported products. Mass import allows to:

- Adding new assignments
- Updating already existing assignments

> **Warning**
>
> There must be a product in the database with SKU matching the value of the SKU column in order to apply any changes. The same applies to tags columns and properties.

#	Column name	Value type	Max length	Can be empty?	Description	What, if empty
1	SKU	STRING	7	No	Product code, if color variant then uses parent code.	-
2	property	STRING	45	No	Property name	-
3	tag1	STRING	150	No	Tag name	-
4	tag2	STRING	150	Yes	Tag name	-
5	tag3	STRING	150	Yes	Tag name	-
6	tag4	STRING	150	Yes	Tag name	-
7	tag5	STRING	150	Yes	Tag name	-
9	EOL	STRING	3	No	Always must be “EOL”	-

In order to assign more than 5 tags to one product, use another row, here is an example of how to assign 6 tags to SKU1 in property "część ciała":

- `SKU1;”część ciała”;”twarz”;”włosy”;”dłoNo”;”nogi”;”ramiona”;EOL`

- SKU1;”część ciała”;”uda”;;;;;EOL

In order to delete a tag from a product add “<delete>” before it. Here is an example of deleting the tag "40+":

- “<delete>40+”

Overview - dict_property.csv

File ***dict_property.csv*** contains information about properties. Mass import allows:

- Adding new properties

#	Column name	Value type	Max length	Can be empty?	Description	What, if empty
1	name	STRING	45	No	Property name	-
2	url_name	STRING	45	Yes	Friendly URL	Will be generated automatically from the property name
3	sort_order	INTEGER	5	No	Sort Order	-
4	is_active	BOOLEAN(0/1)	1	No	Flag: Is this property active?	-
5	EOL	STRING	3	No	Always must be “EOL”	-

Overview - dict_tag.csv

File ***dict_tag.csv*** contains information about tags. Mass import allows to:

- Adding new tags

> **Warning**
>
> There must be a property in the database in order to add new tags.

#	Column name	Value type	Max length	Can be empty?	Description	What, if empty
1	property_name	STRING	45	No	Nazwa cechy, do której jest przypisany tag	-
2	name	STRING	150	No	Nazwa tagu (wartość cechy)	-
3	url_name	STRING	150	Yes	friendly URL for the tag	Will be generated automatically from the tag name
4	EOL	STRING	3	No	Always must be “EOL”	-

Overview - alt_shop_catalog_product.csv

File ***alt_show_catalog_product.csv*** contains information about availability in altshops and discounts counted from catalog prices. Mass import allows to:

- Adding new altshop assignments and promotions
- Editing existing altshop assignments and promotions

> **Warning**
>
> Adding values to promotion_price, price_discount and percentage_discount won't be updated if the product is_active=0. Rows is_active=0 serves as a forced deactivation in altshop. It is a good practice to add only alt_shops that products should be active.

#	Column name	Value type	Max length	Can be empty?	Description	What, if empty
1	alt_shop	STRING	undefined	No	Altshop system name	-
2	SKU	STRING	7	No	Product code	-
3	is_active	BOOLEAN(0/1)	1	No	Is the product active in altshop	-
4	promotion_price	DECIMAL	undefined	Yes	Promotion price	No promotion price or set-by-price/percentage discounts
5	price_discount	DECIMAL	undefined	Yes	Price discount subtracts value from the catalog price	No discount or discounted by promotion price/percentage discount

6	percentage_discount	DECIMAL	2	Yes	Percentage discount counted from catalog price.	No promotion or discounted by promotion price/ price discount
7	promotion_start_date	DATE	undefined	Yes	**Information:** date of promotion start	No date of promotion start
8	promotion_end_date	DATE	undefined	Yes	**Information:** date of promotion end	No date of promotion end
9	promotion_valid_text	STRING	undefined	Yes	Text informing about promotion validation	Lack of text even, if promotion start and end dates are present.
10	EOL	STRING	3	No	Always must be “EOL”	EOL

Overview - catalog_product_category.csv

File **catalog_product_category.csv** contains information about categories assigned to the products. Mass import allows to:

> **Remember**
>
> You can find more information about catalog categories in the Catalog categorization article.

- Adding currently present categories to the selected products

- Editing categories of the selected products.

#	Column name	Value type	Max length	Can be empty?	Description	What, if empty
1	SKU	STRING	7	No	Product code	**-**
2	category_path	STRING	undefined	No	Category path. Path steps need to be separated by a Guillemet ("»") i.e. E-commerce » Włosy » Szampony. The category path should always start with E-commerce.	**-**
3	is_main	BOOLEAN(0/1)	1	No	A flag that shows if a selected category path for a selected SKU is marked as a main one	**-**
4	EOL	STRING	3	No	Always must be “EOL”	EOL

> **Warning**
>
> Please note that this process overwrites product categories for products that are being edited.

In case the user has the following record already in the database on the website:

SKU	category_path	is_main	EOL
32611	E-commerce » Vůně	1	EOL

and there is a need to add a new category **the already existing record also needs to be included in the import**.

Example of an incorrect import file that overwrites the product categories:

SKU	category_path	is_main	EOL
32611	E-commerce » Vlasy	0	EOL

When the file looks like that the **E-commerce » Vůně** will be removed from the product, and only **E-commerce » Vlasy** will be available after the import.

Example of a correct import file that doesn't overwrite the product categories:

SKU	category_path	is_main	EOL
32611	E-commerce » Vůně	1	EOL
32611	E-commerce » Vlasy	0	EOL

In this case both **E-commerce » Vůně** and **E-commerce » Vlasy** will be included in the product 32611 after the import.

Overview - dict_tag_catalog_product_remove.csv

File **dict_tag_catalog_product_remove.csv** contains a list of SKUs with tags, that should be removed from the product. The content of this file is exactly the same as **dict_tag_catalog_product.csv.** This file is not automatically created when exporting the product catalog.

Mass import allows to:

- Removal of tags from the selected SKUs

#	Column name	Value type	Max length	Can be empty?	Description	What, if empty

1	SKU	STRING	7	No	Product code, if color variant then uses parent code.	-
2	property	STRING	45	No	Property name	-
3	tag1	STRING	150	No	Tag name	-
4	tag2	STRING	150	Yes	Tag name	-
5	tag3	STRING	150	Yes	Tag name	-
6	tag4	STRING	150	Yes	Tag name	-
7	tag5	STRING	150	Yes	Tag name	-
9	EOL	STRING	3	No	Always must be “EOL”	-

Tag removal doesn't remove properties by itself. Whenever a product has all of it's tags removed, the property is removed automatically.

For example, if the product has the following propety with a tags:

SKU	**property**	**tag1**	**tag2**	**tag3**	**tag4**	**tag5**	**EOL**
69726	Péče o tělo	Tělové oleje	Tělové peelingy				EOL

And the **dict_tag_catalog_product_remove.csv** contains the following data:

SKU	**property**	**tag1**	**tag2**	**tag3**	**tag4**	**tag5**	**EOL**
69726	Péče o tělo	Tělové peelingy					EOL

Tělové peelingy will be removed from the product tags list, but **Tělové oleje** will remain, which would result with the following record:

SKU	**property**	**tag1**	**tag2**	**tag3**	**tag4**	**tag5**	**EOL**
69726	Péče o tělo	Tělové oleje					EOL

If both tags were removed, then the **Péče o tělo** property would also be removed from the product, as this product doesn't contain any tags from this property.

Order of processing files

The system while importing the files is processing them in a selected order, to make sure there will be no mistakes while importing, like changing the price of a product that doesn't exist in the database. You can find an order of processing below:

Order	File name
1	dict_property.csv
2	dict_tag.csv
3	catalog_product.csv
4	catalog_product_description.csv
5	catalog_product_category.csv
6	catalog_product_attribute.csv
7	catalog_product_meta.csv
8	catalog_product_stock.csv
9	dict_tag_catalog_product.csv
10	alt_shop_catalog_product.csv
11	dict_tag_catalog_product_remove.csv

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