



DOCTOR DOGG PRODUCTS IMPORTER

version 1.0.0

Adobe Commerce 2.4.6



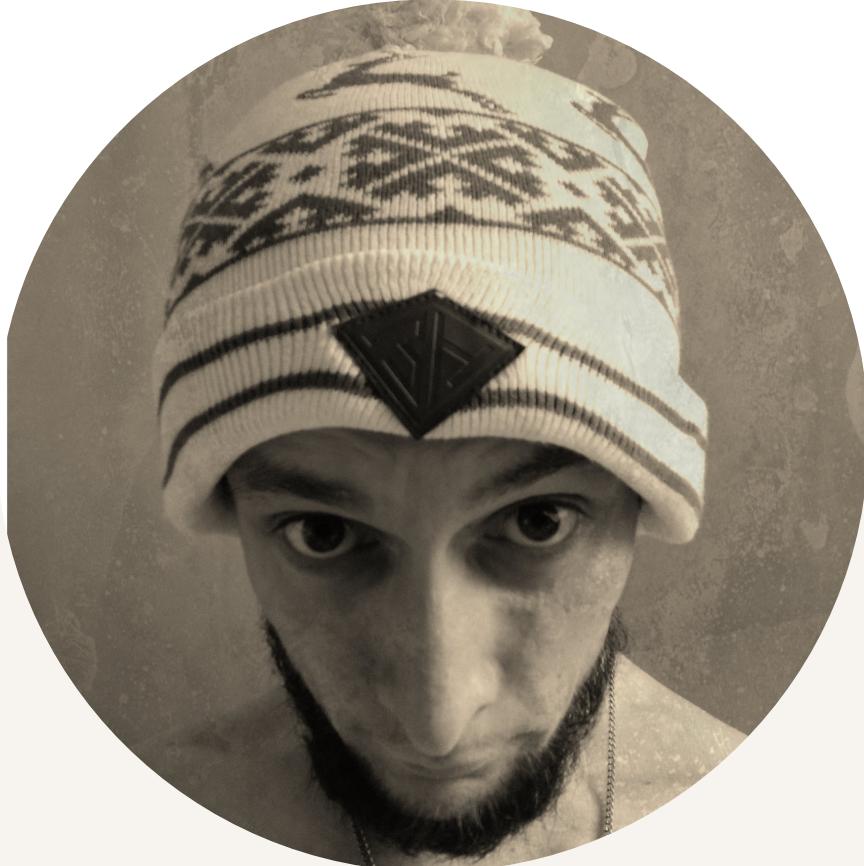


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ABOUT ME

Welcome you dear buyer.

I am glad that you trusted me and my solution built on the basis of Adobe Commerce 2.4.6.

My name is Dmitriy Morozov, and I am from Belarus, from the glorious city of Molodechno.

My acquaintance with Magento 1 took place back in 2015. At the moment I am developing solutions for Magento 2.

Contact Info

SKYPE: xdoctordog

DMITRIY MOROZOV

"PRODUCTS IMPORTER"

This software solution smoothly imports products from files because it uses RabbitMQ queues. Your products will carefully and smoothly fall into the depths of Magento itself.



Yes, this symbol means that I used RabbitMQ for my software solution.

The application works using cron, so you need to make sure that it is enabled on your site and is working properly.

bin/magento cron:install --force



At the moment, the extension only works with CSV files for import.

Make sure your php.ini contains this setting:

mysqli.allow_local_infile = On

WHAT WAS IT DESIGNED FOR

The module was developed and fully tested on php version 8.2.2,
Adobe Commerce 2.4.6

PHP 8.2.2

PHP Version 8.2.2

System	Linux 61addee4576d1 5.10.16.3-microsoft-standard-WSL2 x86_64
Build Date	Feb 4 2023 18:42:50
Build System	Linux ca3f32f5be62 5.10.0-13-cloud-amd64 #1 SMP PREEMPT_DYNAMIC Debian 5.10.10-1 (2022-12-01)
Configure Command	'./configure' '--build=x86_64-linux-gnu' '--prefix=/usr/local/etc/php/conf.d' '--enable-optimize' '--enable-mbstring' '--enable-mysqlnd' '--with-password-argon2' '--with-sqlite3=/usr' '--with-curl' '--with-iconv' '--with-pcre-jit' '--with-libxml' '--with-libdir=lib/x86_64-linux-gnu' '--disable-xml' 'build_alias=x86_64-linux-gnu'

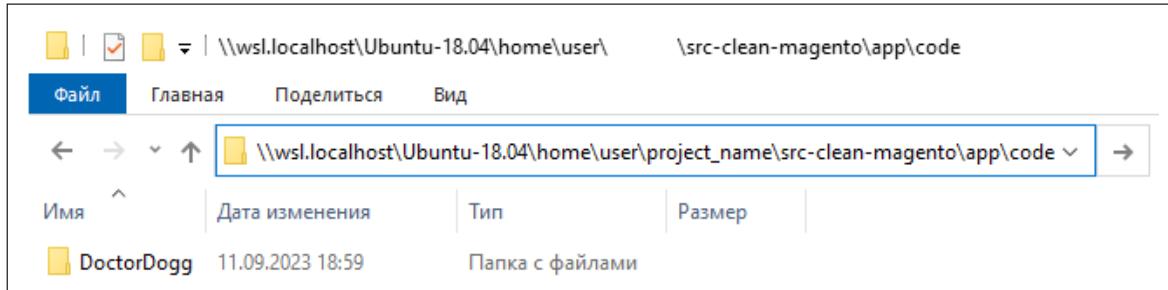
ADOBE COMMERCE 2.4.6

Adobe Commerce ver. 2.4.6

[Account Activity](#) | [Report an Issue](#)

01. INSTALLATION

1. You should un-zip archive with the extension and copy the content to the <magento-root-directory>/app/code/



2. This extension contains from five extensions. But you should enable only four of them.

Base	05.09.2023 19:14
FictionalProductsGenerator	05.09.2023 19:14
LogMessagePreparer	05.09.2023 19:14
ProductsImporter	08.09.2023 2:14
StopWatch	05.09.2023 19:14

3. Then you should open the root Magento folder in CLI and enable all the the extensions using:

```
bin/magento module:enable DoctorDogg_ProductsImporter DoctorDogg_Base  
DoctorDogg_LogMessagePreparer DoctorDogg_StopWatch
```

```
app@3303add37677:~/html-clean-magento$ bin/magento module:enable DoctorDogg_ProductsImporter DoctorDogg_Base DoctorDogg_LogMessagePreparer DoctorDogg_StopWatch  
The following modules have been enabled:  
- DoctorDogg_Base  
- DoctorDogg_LogMessagePreparer  
- DoctorDogg_ProductsImporter  
- DoctorDogg_StopWatch  
  
To make sure that the enabled modules are properly registered, run 'setup:upgrade'.  
Cache cleared successfully.  
Generated classes cleared successfully. Please run the 'setup:di:compile' command to generate classes.  
Info: Some modules might require static view files to be cleared. To do this, run 'module:enable' with the --clear-static-content option to clear them.  
app@3303add37677:~/html-clean-magento$
```

Comment:

If command "**bin/magento**" does not work for you, then try running all the commands like this. Instead "**bin/magento**", type this "**php bin/magento**".

2.1 Then please clean everything that was generated by Magento using:

```
rm generated/* -Rf  
rm var/log/* -Rf  
rm pub/static/* -Rf  
rm var/view_preprocessed/* -Rf  
rm var/page_cache/* -Rf  
rm var/cache/* -Rf
```

```
bin/magento cache:clean
```

```
bin/magento cache:cleanapp@3303add37677:~/html-clean-magento$ rm var/log/* -Rf
app@3303add37677:~/html-clean-magento$ rm pub/static/* -Rf
app@3303add37677:~/html-clean-magento$ rm var/view_preprocessed/* -Rf
app@3303add37677:~/html-clean-magento$ rm var/page_cache/* -Rf
app@3303add37677:~/html-clean-magento$ rm var/cache/* -Rf
app@3303add37677:~/html-clean-magento$
app@3303add37677:~/html-clean-magento$ bin/magento cache:clean
Cleaned cache types:
config
layout
block_html
collections
reflection
db_ddl
compiled_config
eav
customer_notification
config_integration
config_integration_api
full_page
target_rule
config_webservice
translate
app@3303add37677:~/html-clean-magento$
```

3.Then you should run

bin/magento setup:upgrade

```
app@3303add37677:~/html-clean-magento$ bin/magento setup:upgrade
Cache types config flushed successfully
Cache cleared successfully
File system cleanup:
/var/www/html-clean-magento/generated/code/Composer
/var/www/html-clean-magento/generated/code/Fastly
/var/www/html-clean-magento/generated/code/GuzzleHttp
/var/www/html-clean-magento/generated/code/Laminas
/var/www/html-clean-magento/generated/code/Magento
/var/www/html-clean-magento/generated/code/PayPal
/var/www/html-clean-magento/generated/code/Psr
/var/www/html-clean-magento/generated/code/Symfony
The directory '/var/www/html-clean-magento/generated/metadata/' doesn't exist - skipping cleanup
Updating modules:
Cache cleared successfully
Schema creation/updates:
Module 'Magento_Store':
```

If the module is installed on a production server, then you need to run the compilation command

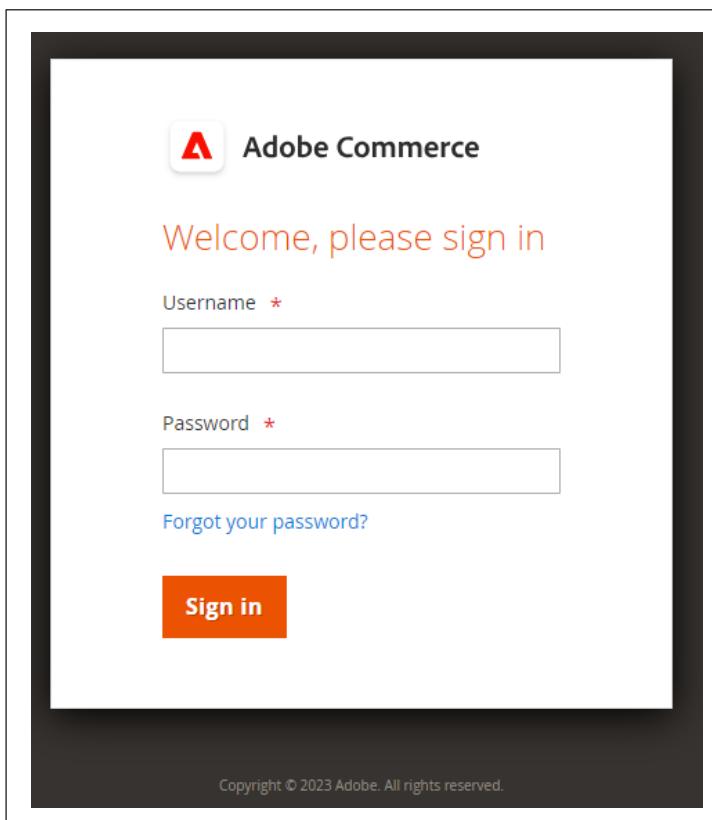
bin/magento setup:di:compile

MY CONGRATULATIONS! "PRODUCTS IMPORTER" EXTENSION IS ENABLED AND READY TO USE!



02. CONFIGURATION

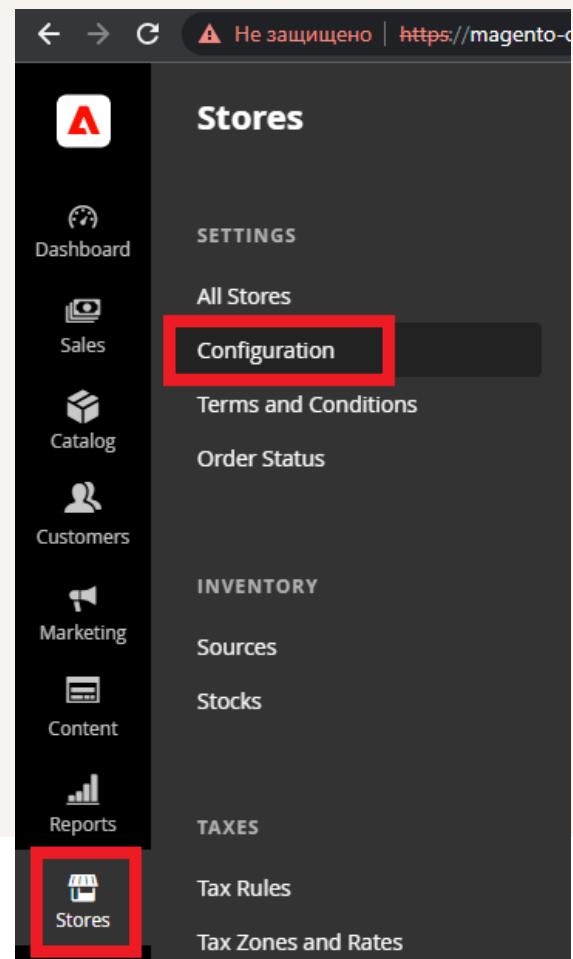
TO CONFIGURE THE EXTENSION YOU SHOULD LOGIN TO YOUR ADMIN AREA.



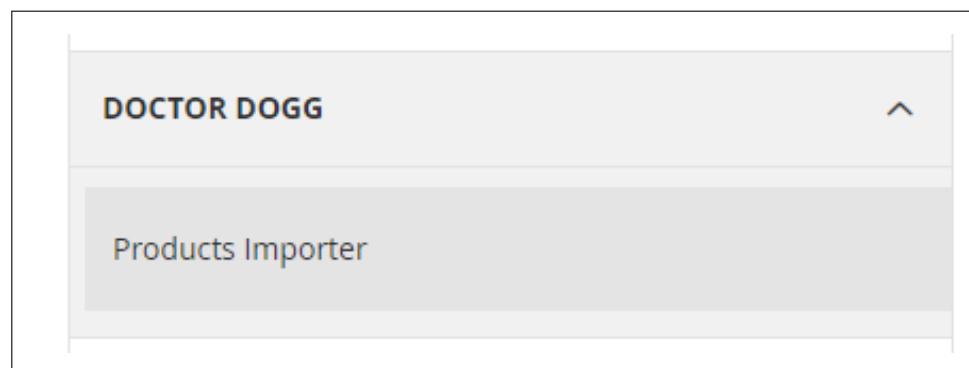
A screenshot of the Adobe Commerce sign-in page. The page features a dark header with the Adobe Commerce logo and a light-colored main area. It displays a welcome message "Welcome, please sign in" in orange. Below this are two input fields: "Username *" and "Password *". Each field has a corresponding text input box. A "Forgot your password?" link is located below the password field. At the bottom is a prominent orange "Sign in" button. The footer contains the copyright notice "Copyright © 2023 Adobe. All rights reserved.".

FIRST OF ALL
YOU ARE GOING TO MAKE THE PROPER SETTINGS

STORES → CONFIGURATION



THEN YOU CAN FIND THE "DOCTOR DOGG" →
"PRODUCTS IMPORTER" MENU WHERE YOU CAN
CONFIGURE THE EXTENSION



CLICK ON "PRODUCTS IMPORTER" MENU ITEM

3. SETTINGS

HERE YOU CAN SEE EXTENSION SETTINGS.

General Setting [Group]

Import Knife Switcher [store view] Use system value
Knife switch with which you can enable / disable importing process.
OFF:
- No adding to the `doctordogg_productsimporter_buffer_product`
- No starting importing for products which are planned for importing:
buffer products are marking as
a) NOT planned for importing
b) NOT imported
So these buffer products are returning back to the products which can be imported.

Number of products to be scheduled at time(at one cron-run) [1-100] Use system value
Each job cron run can schedule this Nth number of products to import [from 1 to 100].

Check if product exists after import [store view] Use system value
Perhaps sometimes even product validation before import cannot give full information about whether it will actually be imported into Magento.
This switch serves to verify after import whether the imported product actually exists.
If the product seemed to be imported, but the check showed that there is no such product, errors will be added to such a buffer product status.

Number of columns in temporary buffer product table [global] Use system value
Number of columns in temporary buffer product table
doctordogg_productsimporter_buffer_product for saving all the product's info.
This value should be equal or more than product's fields/columns in import file.
Don't update this value if you are not sure where it might lead.

[default] COLLATE='utf8mb3_general_ci'; this value <= 85
85 X 3[bytes for one symbol] X 255[default length of one field in "Doctor Dogg ProductsImporter"] = 65025 < 65535
[length of one line in MariaDB table]

COLLATE='utf8mb4_general_ci'; this value <= 64
64 X 4[bytes for one symbol] X 255[default length of one field in "Doctor Dogg ProductsImporter"] = 65280 < 65535
[length of one line in MariaDB table]

Default field length [global] Use system value
This length should be the length (better maximum length) of the field value from the import file [1 - 255 for varchar]

3.1. MORE ABOUT SETTINGS.

ALL SETTINGS ARE DESCRIBED CLEARLY IN THE BEST POSSIBLE WAY. SO HERE IN THE DOCUMENTATION I WILL ONLY BRIEFLY DESCRIBE THEM.

GENERAL SETTING (GROUP)

I. DEFINES IS THE PRODUCT IMPORT PIPELINE ENABLED THROUGH RABBITMQ QUEUES OR NOT?

Import Knife Switcher
[store view]

No

Knife switch with which you can enable / disable importing process.

OFF:

- No adding to the `doctordogg_productsimporter_buffer_product`
- No starting importing for products which are planned for importing: buffer products are marking as
 - a) NOT planned for importing
 - b) NOT imported

So these buffer products are returning back to the products which can be imported.

2. THE NUMBER OF PRODUCTS THAT WILL BE SCHEDULED FOR IMPORT DURING ONE RUN OF CROWN JOB.

Number of products to be scheduled at time(at one cron-run)
[1-100]
[global]

5

Each job cron run can schedule this Nth number of products to import [from 1 to 100].

3. CHECK IF THE PRODUCT EXISTS AFTER IMPORT.

Check if product exists after import
[store view]

Yes

Perhaps sometimes even product validation before import cannot give full information about whether it will actually be imported into Magento.

This switch serves to verify after import whether the imported product actually exists.

If the product seemed to be imported, but the check showed that there is no such product, errors will be added to such a buffer product status.

4. THE NUMBER OF FIELDS THAT WE WILL NEED FOR A TEMPORARY TABLE IN WHICH BUFFER PRODUCTS WILL BE STORED UNTIL THEY ARE SCHEDULED FOR IMPORT INSIDE MAGENTO ITSELF.

Number of columns in temporary buffer product table [global]	85
Number of columns in temporary buffer product table doctordogg_productsimporter_buffer_product for saving all the product's info. This value should be equal or more than products' fields/columns in import file. Don't update this value if you are not sure where it might lead.	
[default] COLLATE='utf8mb3_general_ci'; this value <= 85 85 X 3[bytes for one symbol] X 255[default length of one field in "Doctor Dogg ProductsImporter"] = 65025 < 65535 [length of one line in MariaDB table]	
COLLATE='utf8mb4_general_ci'; this value <= 64 64 X 4[bytes for one symbol] X 255[default length of one field in "Doctor Dogg ProductsImporter"] = 65280 < 65535 [length of one line in MariaDB table]	

5. ALL PRODUCT FIELDS IN THE TEMPORARY TABLE ARE STORED IN COLUMNS OF THE VARCHAR TYPE. HERE WE CAN SPECIFY THE LENGTH OF THIS FIELD.

Default field length [global]	255
This length should be the length (better maximum length) of the field value from the import file [1 - 255 for varchar]	

MAGENTO REQUIRED CORE PRODUCT ATTRIBUTES [GROUP]

MAGENTO HAS FIELDS THAT ARE REQUIRED WHEN CREATING A PRODUCT. AND HERE YOU SHOULD SET IN WHICH POSITIONS OF THE FILE YOU SHOULD TAKE THE VALUES FOR THESE FIELDS. BECAUSE THE MODULE ASSUMES THAT THE PRODUCTS ARE BEING CREATED FROM SCRATCH. SO YOU NEED TO HAVE VALUES FOR ALL OF THEM IN THE IMPORT FILE FOR THEM TO IMPORT SUCCESSFULLY.

Magento Required Core Product Attributes [Group]

Please specify ALL required Magento Core Product Attributes!
ALL items that you can find in "Required Product Attribute" dropdown/selectbox
should be presented

Magento Required Core Product Attributes [Field]
[global]

Required Product Attribute	Position of column in import file	Default value	Action
sku	0		
product_type	1		
name	2		
price	3		
url_key	4		
_attribute_set	5	Default	

Add Required Product Attribute

ADDITIONAL PRODUCT ATTRIBUTES (GROUP)

THERE IS A UNIQUE FUNCTIONALITY THAT ALLOWS YOU TO ADD AS MANY NEW ATTRIBUTES AS YOU LIKE FOR YOUR PRODUCTS. AS THE HINT SAYS, IN ORDER FOR CUSTOM ATTRIBUTES TO BE ADDED DURING IMPORT, YOU SHOULD ADD THEM BEFORE YOU TURN ON THE IMPORT KNIFE SWITCHER AND THE AUTOMATIC IMPORT OF PRODUCTS BEGINS.

Additional Product Attributes [Group]

ALERT!

1) Applying these settings should only be done once before all products are fully imported.

2) Please note that these settings should be applied before starting import process.

3) Actions:

- Removing the product attribute from the list will remove the attribute and result in possible data loss if the products have already been imported with this data.
- Adding a new attribute is safe.
- At the time of saving this config, it will be checked whether such attributes already exist for the product.
 - a) If such attributes exist, no action will be taken (so saving without changes is safe).
 - b) If the attribute that was in the list -- is missing when saving -- then the product attribute will be deleted and data may be lost.
 - c) If an attribute appeared which was not there before, it will be added at the time of saving.(which is also safe)

Product Additional Attributes | Fields
[store view]

Product Attribute Code	Product Attribute Description	Position of column in import file	Default value	Action
Add New Product Field				

For the product attribute name please use only a-z, A-Z 0-9 and underscore symbols.

Remove previously added custom attributes if they are no longer present in the list??
[store view]

No

THERE IS ALSO PROTECTION AGAINST ACCIDENTAL DELETION OF A CUSTOM ATTRIBUTE FROM THE LIST AND, AS A RESULT, THE ATTRIBUTE WILL BE DELETED FROM THE PRODUCT ITSELF. THE LAST SWITCH IN THIS GROUP ALLOWS YOU TO PREVENT THE ATTRIBUTE FROM BEING DELETED FROM A PRODUCT WHEN IT IS REMOVED FROM THIS LIST.

THE EXAMPLE OF ADDED CUSTOM PRODUCT ATTRIBUTE. SAVING WILL RESULT IN A CUSTOM ATTRIBUTE BEING ADDED FOR THE PRODUCT.

Product Additional Attributes | Fields
[store view]

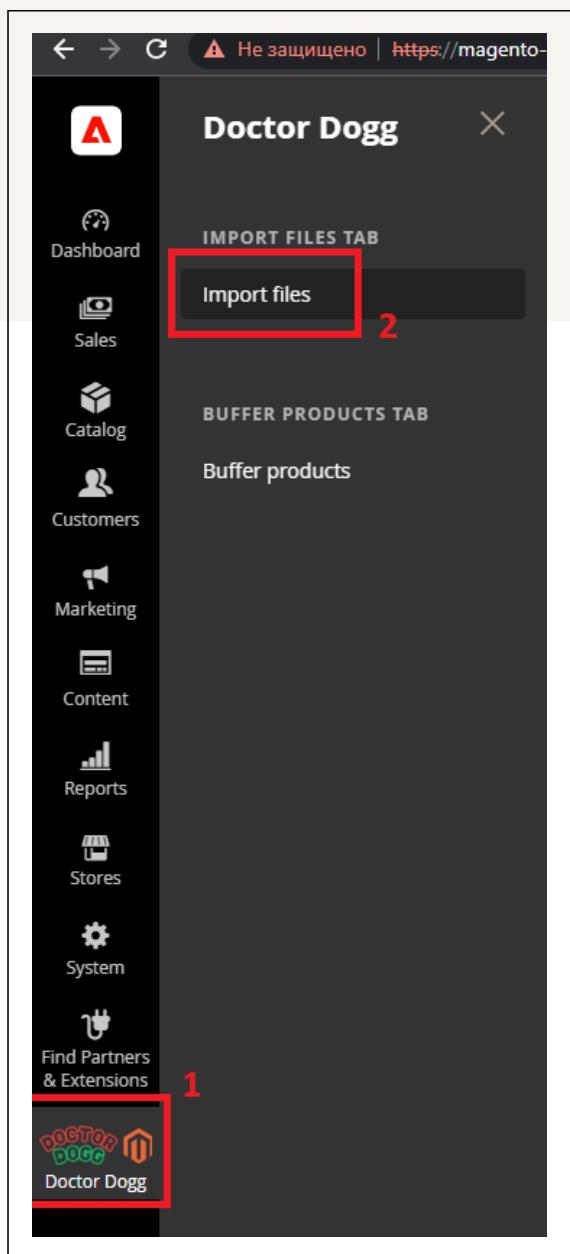
Product Attribute Code	Product Attribute Description	Position of column in import file	Default value	Action
field_a	Field A	6	def_val	
Add New Product Field				

For the product attribute name please use only a-z, A-Z 0-9 and underscore symbols.

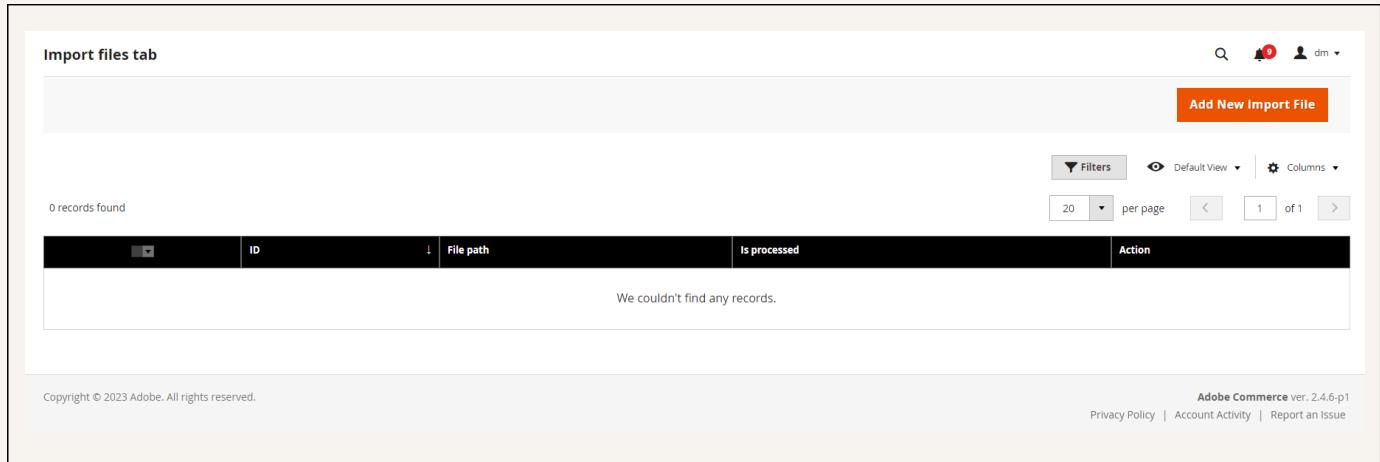
4. LOCAL CSV FILE FOR IMPORT.

AT THE MOMENT, THE EXTENSION ALLOWS YOU TO IMPORT PRODUCTS ONLY USING LOCAL FILES LOCATED ON THE SERVER WITH MAGENTO.

- I. TO ADD A NEW CSV FILE FOR IMPORT. USE THIS MENU ITEM.

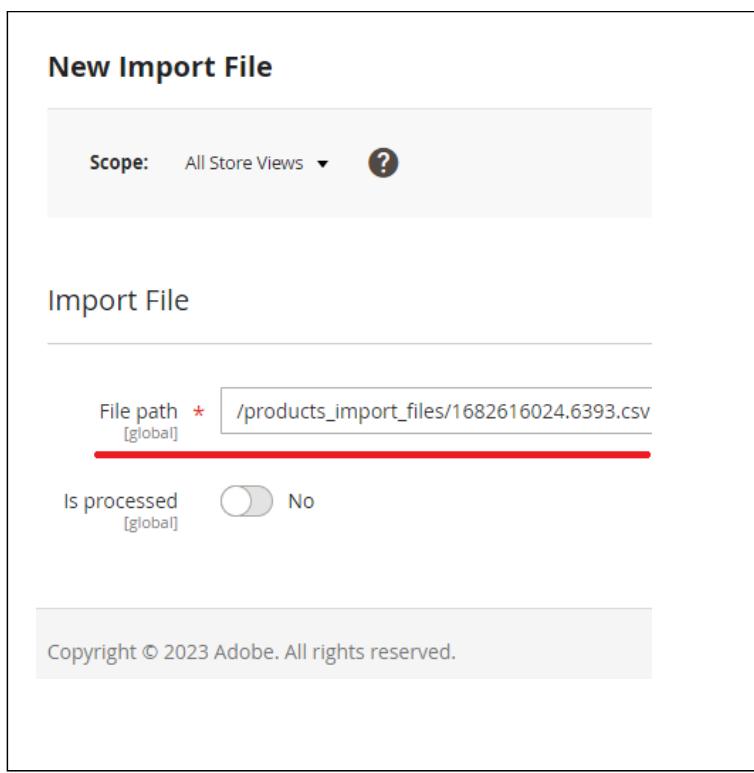


2. USING THIS GRID YOU CAN ADD A LOCAL CSV FILE TO IMPORT.



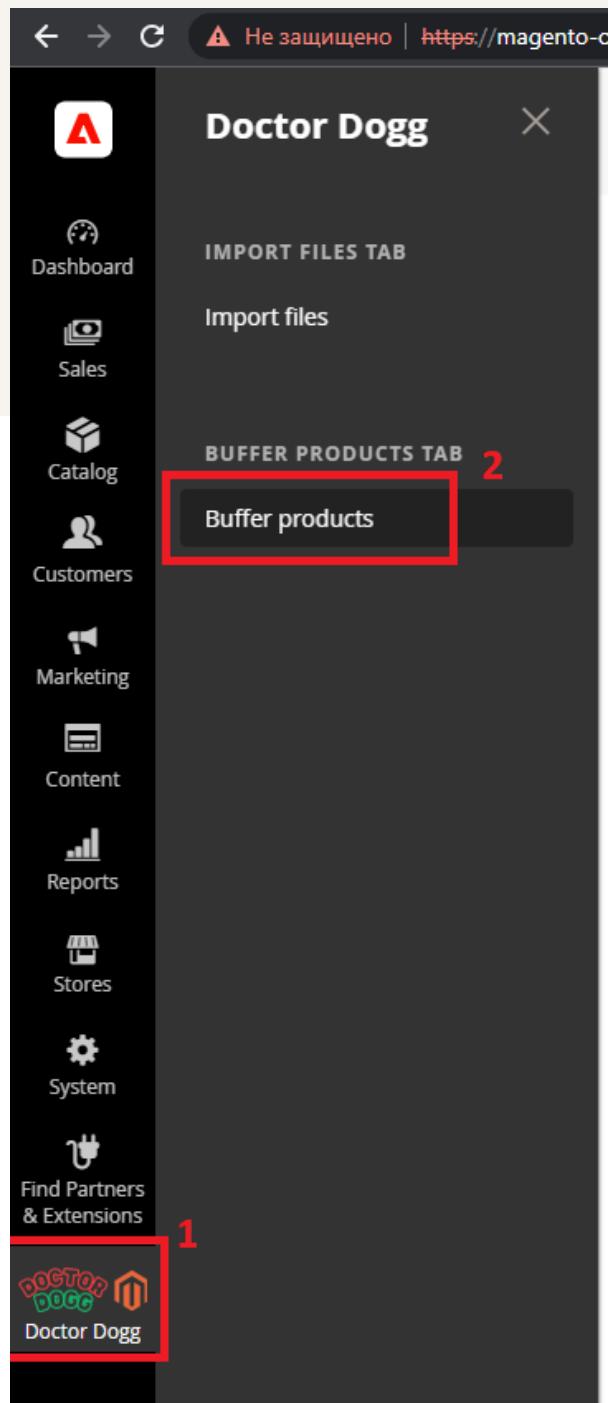
The screenshot shows a grid titled "Import files tab". At the top right are search, filter, and user icons. Below the title is a red button labeled "Add New Import File". The grid has columns: ID, File path, Is processed, and Action. A message at the bottom says "We couldn't find any records." At the bottom left is copyright information: "Copyright © 2023 Adobe. All rights reserved." At the bottom right are links: "Adobe Commerce ver. 2.4.6-p1", "Privacy Policy", "Account Activity", and "Report an Issue".

3. HERE YOU ARE GOING TO SET ABSOLUTE CSV FILE PATH.
YOU CAN SET THE "IS PROCESSED" FLAG TO YES TO PREVENT THIS FILE FROM BEING IMPORTED TEMPORARILY. THEN WHEN YOU DECIDE TO IMPORT PRODUCTS FROM THIS CSV FILE. YOU CAN CHECK THE BOX TO NO.



The screenshot shows the "New Import File" form. It has a "Scope" dropdown set to "All Store Views" and a help icon. The "Import File" section contains a "File path" field with the value "/products_import_files/1682616024.6393.csv" and a "Is processed" toggle switch set to "No". At the bottom is a copyright notice: "Copyright © 2023 Adobe. All rights reserved."

5. ABILITY TO CHECK WHETHER THERE WERE ERRORS WHEN IMPORTING PRODUCTS.



6. A LIST OF LINES FROM THE IMPORT FILES INDICATING A LIST OF ERRORS FOR EACH PRODUCT THAT OCCURRED DURING THE IMPORT OR AFTER (THIS CONCERNS THE POST-IMPORT CHECK - WHETHER THE PRODUCT EXISTS AFTER THE IMPORT)

IN THE IS PLANNED FOR IMPORT COLUMN. YOU CAN SEE WHICH LINES/PRODUCTS FROM THE FILE WERE ALREADY PLANNED FOR IMPORT AND ENDED UP IN THE RABBITMQ QUEUE. BUT THIS DOES NOT MEAN THAT THERE WILL NECESSARILY BE AN ATTEMPT TO IMPORT THE PRODUCT. IF YOU MANAGE TO TURN OFF THE KNIFE SWITCHER. AN ATTEMPT TO IMPORT THE PRODUCT WILL NOT BE MADE.

THE COLUMN "IS ALREADY IMPORTED" INDICATES THAT AN ATTEMPT WAS MADE TO IMPORT THE PRODUCT. IT IS NOT NAMED CORRECTLY. THE NAME SUITS IT BETTER - IS ALREADY BEEN ATTEMPT TO IMPORT.
PERHAPS THIS WILL BE DONE IN NEW EXTENSION UPDATES.

THE COLUMN "PRODUCT EXISTS AFTER IMPORT STATUS" SHOWS WHETHER THE PRODUCT EXISTS AFTER IMPORT. POSSIBLE VALUES: EXISTS. DOES NOT EXIST. NOT VERIFIED. UNDEFINED

Buffer products tab

The screenshot shows a table titled 'Buffer products tab' with the following columns: ID, Is planned for import, Is already imported, Product exists after import status, and Validation errors. There are 10 records found. The table rows are as follows:

ID	Is planned for import	Is already imported	Product exists after import status	Validation errors
1	1	1	1	UNDEFINED
272	1	0	UNDEFINED	["isRequired: Please make sure attribute \"price\" is not empty."]
273	1	0	UNDEFINED	["invalidType: Product Type is invalid or not supported"]
274	1	0	UNDEFINED	["Value for 'price' attribute contains incorrect value: Value for 'price' attribute contains incorrect value"]
275	1	1	EXISTS	{"0": "DoctorDogg_ProductsImporter:Product with sku [fpvuyvbw] has not been imported", "2": "DoctorDogg_ProductsImporter:Product with sku []; CREATE TABLE `doc_temp` (`entity_id` INT(10) UNSIGNED NOT NULL AUTO_INCREMENT COMMENT 'Entity ID', `field` TINYINT(1) NOT NULL COMMENT 'Is planned for import', PRIMARY KEY (`entity_id`) USING BTREE); #] has not been imported"}

6. EXAMPLE OF A CSV FILE FOR IMPORT.

```
1 ruiqqper.simple,RUIQQPER,929.23,ruiqqper,Default,value-dd-rui
2 nbgowrym.simple,NBGOWRYM,857.21,nbgowrym,Default,value-dd-nbg
3 ikqklrei.simple,IKQKLREI,450.04,ikqklrei,Default,value-dd-ikq
4 vewtahiy.simple,VEWTAHIY,377.22,vewtahiy,Default,value-dd-vew
5 fpvuyvbw.simple,FPVUYVBW,762.81,fpvuyvbw,Default,value-dd-fpv
6
```

7. EXAMPLE OF MAPPING FIELDS FROM CSV FILE WITH CONFIG SETTINGS.

The screenshot shows the Magento Admin Panel with the following interface elements:

- Project:** A sidebar showing the project structure: Project > SRC > .docker > app > code > DoctorDogg > Base.
- CSV File:** An open CSV file titled "1682616024.6393.csv" containing the following data:

```
1 ruiqqper.simple,RUIQQPER,929.23,ruiqqper,Default,value-dd-rui
2 nbgowrym.simple,NBGOWRYM,857.21,nbgowrym,Default,value-dd-nbg
3 ikqklrei.simple,IKQKLREI,450.04,ikqklrei,Default,value-dd-ikq
4 vewtahiy.simple,VEWTAHIY,377.22,vewtahiy,Default,value-dd-vew
5 fpvuyvbw.simple,FPVUYVBW,762.81,fpvuyvbw,Default,value-dd-fpv
```
- Buffer products tab / Doctor Dogg:** The current tab in the navigation bar.
- Configuration / Settings / Stores:** Another tab in the navigation bar.
- System Configuration:** A modal window titled "Magento Required Core Product Attributes [Group]" with the following content:

Please specify ALL required Magento Core Product Attributes!
ALL items that you can find in "Required Product Attribute" dropdown/selectbox should be presented

Magento Required Core Product Attributes [Field] [global]	Required Product Attribute	Position of column in import file	Default value	Action
	sku	0		trash
	product_ty	1		trash
	name	2		trash
	price	3		trash
	url_key	4		trash
	attribute	5	Default	trash

Add Required Product Attribute



THANK YOU FOR YOUR
ATTENTION.