

# User Manual of M1 To M2 Migration Improved Import & Export Add-On

**M1 To M2 Migration  
Improved Import & Export**



**Add-On**

**M1 To M2 Migration Improved Import & Export Add-On** helps to move data from Magento 1 store to Magento 2, or from one Magento 2 instance to another. With the add-on you connect together databases of two stores, choose which entity you want to migrate, and hit 'Run' button. The latest version **NOW SUPPORTS MIGRATION FROM MAGENTO 2 TO MAGENTO 2** in addition to **M1>M2**.

## Installation

**NOTE:** you need to install [Improved Import & Export](#) extension prior to installing any add-ons  
To install the add-on follow these steps

1. Log into your Magento Marketplace account and proceed to **My Purchases** section.
2. Download Free Magento 1 to Magento 2 migration add-on package.
3. Extract the contents of the M1 To M2 Migration Improved Import & Export Add-On package to your Magento 2 root folder.
4. Navigate to your store root folder in the SSH console of your server:  
`cd path_to_the_store_root_folder`
5. Enable the add-on by running:  
`php bin/magento module:enable Firebear_PlatformM1`
6. Deploy content and flush store cache, log out from the backend and log in again. Run:  
`php bin/magento setup:static-content:deploy -f`

And:

```
php -f bin/magento cache:clean
```

## Configuration

The add-on configuration is all about specifying the credentials of the source store in the administrator panel. To access configuration section navigate to **Stores > Configuration > Firebear Studio > Import/Export**.

The screenshot shows the Magento 2 Configuration interface. On the left is a sidebar menu with categories: GENERAL, CATALOG, FIREBEAR STUDIO (expanded), Import/Export (highlighted), CUSTOMERS, SALES, SERVICES, and ADVANCED. The main content area is titled 'Configuration' and contains a 'Save Config' button. Under the 'FIREBEAR STUDIO' section, the 'Source Database' section is expanded, showing four fields: Host (with a blurred value), Username (alexey), Password (with a blurred value), and Database Name (alexey\_cappa). Each field has a '[global]' label below it.

At the configuration section, expand Source Database section to see required credentials, they include:

- **Host** - the IP address of the source store server, where the database is located.
- **Username** - your account login to the source store server.
- **Password** - your account password to the source store server.
- **Database Name** - name of the source database that the add-on will use to transfer the data.

After filling all the fields above you are done with the add-on configuration and can proceed to the data migration.

### NOTE

The data base of the target store **MUST BE EMPTY**. In other words, you need to make sure you don't have any products, customers, categories, or other entities at the target store. This limitation comes from the fact that Magento uses IDs to check the entities integrity.

Migrating to a store with the populated database may result in errors or not all data being migrated.

## Order of the entity migration

All entities in Magento 2 are interconnected. That's why when migrating the data one must remember the native Magento 2 logic of how products and other entities behave.

Here is a couple of examples:

- 1) Products in Magento 2 must belong to a category and cannot exist without certain attributes. That's why you cannot migrate right away. You need to have prepared the basis for them.
- 2) First you need to import categories, then product attributes, and only after this, you can proceed with the products import.
- 3) Orders in Magento 2 are placed by customers and include products. That's why before migrating orders you need to have migrated customers and products.

And before products again: categories and attributes.

Firebear development team strongly suggests you refer to the below list of the entity migration order:

- 1) First, migrate product categories.
- 2) Then, product attributes.
- 3) After, products.
- 4) Customers.
- 5) Quotes.
- 6) Orders.
- 7) Invoices.
- 8) Credit memos.

## Payment methods

Migration of Orders will also require the same payment methods available at the target Magento 2 instance. If you migrate the order and payment method reference will not be available such order may cause issues and won't open from the administrator panel.

If for some reason particular payment method is not available for your Magento 2 - you need to create it manually and set it to:

*checkout=false*

By doing so, you will enable the orders with this payment method in the Magento 2 backend and will perform a successful order migration.

## Running migrating from Magento 2 administrator panel

Free Magento 1 to Magento 2 migration add-on features the possibility to migrate all the necessary data directly from the Magento 2 backend without using command line or any programming knowledge.

The add-on's migration interface can be accessed from **System > Improved Import/Export > Data Migration**.



Firebear Improved Import / Export v. 3.1.7-alpha.7

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Path of Magento Root Directory

Your Magento Root Path : [/var/www/jupiter/yokohama](#) [Use](#)

Command

[Run](#)

TCT: \$

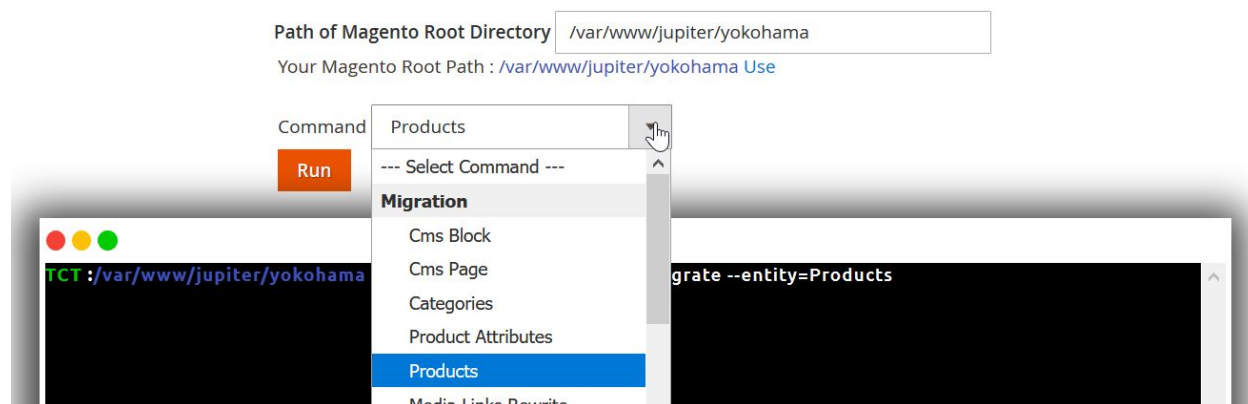
The interface features the following elements:

- **Path to Magento Root Directory** - here you need to specify the path to the folder at your server, where the target Magento 2 instance is installed. The add-on automatically detects the installation folder of the current store, however, if you have multiple Magento 2 instances installed - you may want to use another path.
- **Command** - in this dropdown menu you select the entity you want to migrate. The add-on allows migrating every entity separately, unlike native migration tool that attempts to migrate the whole store at once.
- **Run** - when you specified and double-checked the path to the store and selected the entity you want to import - you hit 'Run' button.

In the improvised command line above you will see all the executed commands and the status of the migration.



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## Running migration from command line

If you are migrating huge chunks of data you may prefer to use server command line and run migration manually. Magento 2 administrator panel may not be an option due to additional load on the system and architecture peculiarities.

With Free Magento 1 to Magento 2 migration add-on you have the possibility to also perform migration via command line. So the general rule is:

- **Migration of a small amount of a single entity** - use Magneto 2 administrator panel.
- **Migration of huge amounts of data (several hundreds of Mbs of data)** - use command line.

The commands for manual migration can be found below:

Entity to migrate	Command to run
Categories	bin/magento firebear:migrate --entity=Categories
Product Attributes	bin/magento firebear:migrate --entity=ProductAttributes
Products	bin/magento firebear:migrate --entity=Products
Product media - images and videos	bin/magento firebear:migrate --entity=ProductsMedia

Inventory - product stock	bin/magento firebear:migrate --entity=Inventory
CMS blocks (static blocks)	bin/magento firebear:migrate --entity=CmsBlocks
CMS pages (static pages)	bin/magento firebear:migrate --entity=CmsPages
Customers with addresses	bin/magento firebear:migrate --entity=Customers
Email templates	bin/magento firebear:migrate --entity=EmailTemplates
URL rewrites	bin/magento firebear:migrate --entity=UrlRewrites
Store administrator accounts	bin/magento firebear:migrate --entity=UsersBackend
Quotes for orders	bin/magento firebear:migrate --entity=Quotes
Orders	bin/magento firebear:migrate --entity=Orders
Product reviews	bin/magento firebear:migrate --entity=ProductReviews
Product ratings	bin/magento firebear:migrate --entity=Rating
Invoices	bin/magento firebear:migrate --entity=Invoices
Credit Memos	bin/magento firebear:migrate --entity=Creditmemos
Catalog price rules	bin/magento firebear:migrate --entity=Catalogrule
Customer groups	bin/magento firebear:migrate --entity=CustomerGroup
Taxes	bin/magento firebear:migrate --entity=Tax,
Order taxes aggregated	bin/magento firebear:migrate --entity=TaxOrderAggregated

Cart Price Rules	bin/magento firebear:migrate --entity=SaleRule
Customer wishlists	bin/magento firebear:migrate --entity=Wishlist
Order shipping data	bin/magento firebear:migrate --entity=Shipping
Newsletter subscribers	bin/magento firebear:migrate --entity=NewsletterSubscribers

## Running migration from particular date

The latest version of the add-on allows to migrate the data from a particular date. For example, if you want to migrate the data you have only added since Spring 2019, you can do this. To migrate the data from a particular date, after the command including desired entity type:

*--migrate\_from\_date="YYYY-MM-DD HH:mm:ss"*

The date format used is the native Magento 2 date format you can look in your database. For example, if you want to migrate products that have been added to the store starting from January 2019, you need to run:

*bin/magento firebear:migrate --entity=Products --migrate\_from\_date="2019-01-01"*

That's it. Now you can migrate the data from the particular date using Free Migration Add-on of Improved Import & Export extension.

## Custom logic

Custom methods can be implemented in the **di.xml** file of the add-on.

1. Добавил поддержку префикса базы данных и для M1 и для M2.
2. Добавил две новых энити Shipments, NewsletterSubscribers
3. Зделал фиксы по миграции пеймент методов, подправил сериализацию
4. Убрал записывание дефолтных значений для полей ордера

The screenshot shows the FIREBEAR STUDIO application interface. On the left, there is a sidebar with a menu containing 'Import/Export', 'CUSTOMERS', 'SALES', 'SERVICES', and 'ADVANCED'. The 'Import/Export' section is active. The main area displays the 'M1 database credentials' form. The form includes the following fields:

- Host** (required): 10.13.47.1
- Database Name** (required): alexey\_cappa
- Username** (required): alexey
- Password** (required): [masked]
- M1 database prefix (optional)** (optional): [empty]
- M2 database prefix (optional)** (optional): [empty]

Yurii Danylets, [01.08.19 12:22]

я кстате добавил опцию в коммнду миграции

Yurii Danylets, [01.08.19 12:22]

`php bin/magento firebear:migrate --entity=Invoices --migrate_from_date="2019-03-08 10:35:12"`

Yurii Danylets, [01.08.19 12:23]

типа чего то такого

Yurii Danylets, [05.08.19 11:41]

Так кроч еще одна миграция подходит, Виталик писал, пока что детали не знаю, но будет M2 в M2, ты не слышал?

Alexey Malynov, [05.08.19 11:41]

Нет, он ничего не говорил

Yurii Danylets, [05.08.19 11:42]

Напишы в блоге, что также мы поддерживаем M2 в M2, если не писал