

Improved Sorting Manual

Getting Started

Welcome to the **Improved Sorting** documentation. Whether you are a new or an advanced user, you can find some useful information here.

First of all we recommend to check the following link:

- [How to install extension](#)

How to install the extension

1. Backup your store's database and web directory.
2. Login to the SSH console of your server and navigate to the root directory of the Magento 2 store.
3. Copy the installation instructions from the page [My Downloadable Products](#) to the SSH console and press ENTER.
4. Run command `php -f bin/magento module:enable Mirasvit_Core Mirasvit_Sorting` to enable the extension.
5. Run command `php -f bin/magento setup:upgrade` to install the extension.
6. Run command `php -f bin/magento cache:clean` to clean the cache.
7. Deploy static view files

```
rm -rf pub/static/*; rm -rf var/view_preprocessed/*; php -f bin/magento setup:static-content:deploy
```

Ranking Factors

Ranking Factor - internal functionality, that can be used for sorting criteria.

Go to **System > Improved sorting > Ranking Factors**. You will see available factors. You can add a Factor by pressing **Add New** button. You will see then a Ranking factor dialog, which contain basic data:

General information:

- **Type *** - data type. Check the details below;
- **Name *** - internal name;
- **Active** - ability to enable / disable;

- **Global** - global factor will be applied before all other conditions for all Sorting Criteria. Global factors have the highest priority. Extension sorts any product collection by global factors. Then it sorts by scoring factors (if any kind of sorting criteria was applied).

Configuration:

Depends on data type:

- **Date** - Rank products based on Created At/Updated At date;
 - **Creation date** - when the product was added to the database;
 - **Updating date** - when the product was updated the last time;
 - **Zero point** - Number of days the Created At/Updated At date is of influence of the products ranking.

Note

It is recommended to use a value from 1 to 100. For example, if set 100, then products which were created/updated earlier than 100 days will receive a positive Score (the earlier the more), and products which created/updated later than 100 days will receive zero Score.

- **Attribute set** - Rank products based on attribute set.
- **Mapping** - allows assigning a weight to a set of attributes to participate in sorting;
 - **Attribute Set** - attributes set;
 - **Weight** - the weight. It is recommended to use a value from 1 to 100.
- **Attribute** - allows assigning a weight to attributes to participate in sorting;
- **Mapping**
 - **Option** - the internal name of ranking factor. Used for Sorting Criteria configuration;
 - **Weight** - the weight. It is recommended to use a value from 1 to 100.
- **Image** - rank products based on image availability;
- **Product Rating** - rank products based on overall rating;
- **Bestseller** - rank products based on the number of purchases within the period;
- **Past Days** - number of days the order date is of influence of the products ranking. By default 60;
- **Profit** - calculation: the products price and cost determines the products ranking of this factor;
- **Rule** - rank products based on various different conditions;
- **Conditions** - allows selecting Product Attribute. Leave blank for all products;
- **Stock status** - rank products based on stock status.
- **SPV = Sales Pre View = Number of Sales / Number of Product Page Views;**
- **Zero point** - number of days, that influence of the products ranking. It is recommended to use a value from 1 to 100.
- **Popularity** - rank products based on number of product page views;
- **Discount** - calculation: the difference between regular price and special prices.

Note

After creating or making changes, make re-index. You can use the Reindex button for this. Or run the reindex with the [cli](#) commands.

Sorting Criteria

Go to **System > Improved Sorting > Sorting Criteria**.

You will see the list of configured sorting options. If list is empty, magento will use default sorting options.

Here you can change the order of the criteria visible to users and add/remove available options.

Once you add your first sorting criteria, extension will replace native Magento sorting options and use your configuration.

To add new Criteria click **Add new** button.

General information:

- **Name *** - name of option, visible in the dropdown on front-end;
- **Active** - to enable/disable criteria;
- **Default** - applies sorting criteria by default on category page;
- **Default for Search** - applies sorting criteria by default on the search results page (instead of sort by relevance);
- **Position** - position of sorting option in the dropdown on front-end.
- **Conditions** - describes logic to sort products. You can use:
 - **Catalog attributes** - an attribute is visible for sorting, if option `Used for Sorting in Product Listing` is enabled (**Stores > Attributes > Product**);
 - **Ranking factors** - allows choosing one of the Ranking Factors;
 - **ASC (A-Z, 0-9)/DESC (Z-A, 9-0)** - allows sorting from smallest to largest/ from largest to smallest;
 - **Weight** - allows increasing the impact of the factor in a particular rule, set the value within 1 - 100;
 - **Limit** - sets the maximum number of products for which this weight will be applied;
- **Add New Sub Condition button** - allows adding several criteria and set their weight in the current group of conditions. Affects the position of a product in a category.

Note

Product Score = SubConditionWeight1 + SubConditionWeight2 + SubConditionWeightN

The extension will calculate, assign each item its own Score and place them in ascending or descending order. For example, let's make sorting by creation date and stock availability:

- Product E (28.10.2020, in stock)
- Product C (25.10.2020, in stock)
- Product A (20.10.2020, in stock)
- Product D (25.10.2020, out of stock)
- Product F (20.10.2020, out of stock)
- Product B (18.10.2020, out of stock)

Add New Condition button - allows setting the sort sequence. Affects the product position in the product group and in the category;

Note

**Product Score = Condition1(SubConditionWeight1 + SubConditionWeight2 + SubConditionWeightN)
+ Condition2(SubConditionWeight1 + SubConditionWeight2 + SubConditionWeightN)**

It will sequentially sort the products, first by the first condition and then by following conditions within the group. Lets arrange the products, for example, by creation date and then by stock availability for the specified date:

- Product E (28.10.2020, in stock)
- Product C (25.10.2020, in stock)
- Product D (25.10.2020, out of stock)
- Product A (20.10.2020, in stock)
- Product F (20.10.2020, out of stock)
- Product B (18.10.2020, out of stock)

Advanced Configuration:

- **Code** - used to generated URL. Does not affect anything else.

Sorting for Widgets

The extension allows you to manage the sorting in Default Magento Widgets.

How to add new widget

- Open **Content > Elements > Widgets > Add new**
- In the **Widgets options** tab choose **Sorting Criteria** in **Sort by** field.



Widgets



DASHBOARD



SALES



CATALOG



CUSTOMERS



MARKETING



CONTENT



REPORTS



WIDGET

Storefront Properties

Widget Options

Debugging

To check the product position in the backend, use the **Preview** button when creating **Ranking Factor** or **Sorting Criteria**.




DASHBOARD


SALES


CATALOG


CUSTOMERS


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REPORTS



Cr

Preview

2046 records found

Gen

Score	
<input type="text" value="0"/>	stock
<input type="text" value="7000"/>	Adding date
<input type="text" value="0"/>	stock
<input type="text" value="7000"/>	Adding date
<input type="text" value="0"/>	stock
<input type="text" value="7000"/>	Adding date
<input type="text" value="0"/>	stock
<input type="text" value="7000"/>	Adding date

To check the product position in the frontend, use `?debug=sorting` in the page URL. This allows you to see the Score for each product.

- **Global Score** - the score which the product obtained after global rules were applied;
- **Sorting Score** - the score which the product obtained after sorting by Sorting Criteria;
- **Sorting SubScore** - the score which the product obtained after sorting by SubConditional.

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Store Views *

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Retailer

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Command Line Interface

Usage: `php -f bin/magento [options]`

- `mirasvit:sorting:reindex` - reindex extension indexes. Same as native Magento 2 command:
`indexer:reindex mst_sorting`

How To

Contents

- [How can I translate sorting label to different languages?](#)

How can I translate sorting label to different languages

Extension uses the same logic for translations as default Magento. More details:

<https://devdocs.magento.com/guides/v2.3/frontend-dev-guide/translations/xlate.html>)

Our `i18n` files should be located at: `vendor/mirasvit/module-sorting/src/Sorting/i18n/`

Create a separate file for your language (`en_US.csv`, `de_DE.csv`). The names for all languages can be found via this command:

```
php -f bin/magento info:language:list
```

Override the strings in your dictionary file:

```
"Original line" , "Translated line"
```

Run this command to see the changes:

```
php -f bin/magento setup:static-content:deploy
```

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

The custom themes will be displayed instead of the default for your language.

How to upgrade extension

To upgrade the extension follow these steps:

1. Backup your store's database and web directory.
2. Login to the SSH console of your server and navigate to the root directory of the Magento 2 store.

3. Run command `composer require mirasvit/module-sorting:* --update-with-dependencies` to update current extension with all dependencies.

Note

In some cases the command above is not applicable, it's not possible to update just current module, or you just need to upgrade all Mirasvit modules in a bundle. In this case command above will have no effect.

Run instead `composer update mirasvit/*` command. It will update all Mirasvit modules, installed on your store.

4. Run command `php -f bin/magento setup:upgrade` to install updates.
5. Run command `php -f bin/magento cache:clean` to clean the cache.
- 6.

Deploy static view files

```
rm -rf pub/static/*; rm -rf var/view_preprocessed/*; php -f bin/magento setup:static-content:deploy
```

Disabling the Extension

Temporarily Disable

To temporarily disable the extension please follow these steps:

1. Login to the SSH console of your server and navigate to the root directory of the Magento 2 store.
2. Run command `php -f bin/magento module:disable Mirasvit_Sorting` to disable the extension.
3. Login in to the Magento back-end and refresh the store cache (if enabled).

Removing the Extension

To uninstall the extension please follow these steps:

1. Login to the SSH console of your server and navigate to the root directory of the Magento 2 store.
2. Run the command `composer remove mirasvit/module-sorting` to remove the extension.
3. Login in to the Magento back-end and refresh the store cache (if enabled).

1.0.32

(2020-02-06)

Fixed

- Default sorting field
 - Missing positionOrderApplied variable when global sorting applied
 - Wrong product position when position sort order applied
 - Bestseller score factor indexing issue
 - Unable to apply sort by name
-

1.0.29

(2019-12-30)

Improvements

- Code refactoring

Fixed

- Sort by name issue
-

1.0.28

(2019-11-25)

Fixed

- Elasticsearch compatibility
-

1.0.27

(2019-11-21)

Improvements

- Admin styles
-

1.0.26

(2019-11-07)

Fixed

- Disable sorting of products collection in CLI mode (prevent possible indexation issue)
 - Issue during indexation Discount Ranking Factor
 - Unexpected indexer dependency
-

1.0.25

(2019-10-10)

Fixed

- Compatibility with native ES
-

1.0.24

(2019-09-02)

Fixed

- Compatibility with EE Elasticsearch
-

1.0.23

(2019-07-25)

Improvements

- Debug mode

Fixed

- Possible issue with second join (temporary table)
 - Popularity factor
-

1.0.22

(2019-05-20)

Fixed

- Issue with sorting if criteria/factor is empty
 - Issue with applying custom sorting for category
-

1.0.21

(2019-05-16)

Improvements

- integration with Autocomplete
 - Rating Factor. Use also number of ratings
-

1.0.20

(2019-04-17)

Improvements

- Conditions column in criteria listing
 - Enabled Inline Editor
 - Search results sorting
-

1.0.19

(2019-04-10)

Improvements

- Inline debug interface (&debug=sorting)
-

1.0.18

(2019-04-08)

Fixed

- Compatibility issue with Magento Enterprise
-

1.0.17

(2019-04-01)

Improvements

- Ability to use native "Position" as sorting attribute
-

1.0.16

(2019-03-27)

Improvements

- Ability to defined limits

Fixed

- Error during indexation of sorting index if an attribute is not set in a rating factor
 - By default sort direction is set to the direction of a default criterion, even when custom direction used
-

1.0.15

(2019-03-19)

Fixed

- Compatibility with Magento 2.1.x
-

1.0.14

(2019-03-18)

Fixed

- Attribute sort direction does not change
 - Saving sorting code
-

1.0.13

(2019-03-11)

Improvements

- Popularity Factor
 - Discount Factor
 - Preview interface
-

1.0.12

(2019-03-07)

Improvements

- Ability to use sorting for catalog widget "Catalog Products List"

Fixed

- Sort direction does not change
-

1.0.11

(2019-03-04)

Improvements

- Changed sorting interface
-

1.0.10

(2019-02-22)

Improvements

- Add module translation file mirasvit/module-navigation[#79]()
-

1.0.9

(2019-02-11)

Fixed

- System settings page not loaded after adding a new attribute to sorting
-

1.0.8

(2019-01-10)

Fixed

- Conflict with Mirasvit Search module: searching products fails with error (since 1.0.7)
-

1.0.7

(2019-01-09)

Features

- Push 'out of stock' products to the end of a list

Documentation

- Info about new settings
-

1.0.7

(2019-01-08)

Features

- Push 'out of stock' products to the end of a list
-

1.0.6

(2018-12-27)

Fixed

- Compatibility with Magento 2.1
-

1.0.5

(2018-12-11)

Fixed

- Error during reindex mst_sorting by cron
-

1.0.4

(2018-12-07)

Features

- Show configurable products at top of the list #3
-

1.0.3

(2018-12-06)

Fixed

- Error during reindexing due to discount criterion
-

1.0.2

(2018-12-06)

Fixed

- Error during reindex sorting index
-

1.0.1

(2018-12-05)

Improvements

- Compatibility with M2.1

Documentation

- Added module docs