# **Dynamic Categories Manual**

# **Getting Started**

Welcome to the **Dynamic Category** documentation.

Whether you are a new or an advanced user, you can find some useful information here.

# Go ahead, dive in!

Firstly, please, find our extension in <u>My Downloadable Products</u> section of our store. Learn <u>how to install</u> <u>extension</u>, and proceed with Quick Start, which will guide you to set up your **Dynamic Category** service.

# How to install the extension

### How to install the extension using composer

- 1. Backup your store's database and web directory.
- 2. Login to the SSH console on your server and navigate to the root directory of the Magento 2 store.
- 3. Copy the installation instructions from the page <u>My Downloadable Products</u> to the SSH console and press ENTER.
- 4. Run command php -f bin/magento module:enable Mirasvit\_Core Mirasvit\_DynamicCategory Mirasvit\_Merchandiser 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
```

### How to install the extension manually

- 1. Backup your store's database and web directory.
- 2. Download archive from My Downloadable Products.
- 3. Unzip the extension locally.
- 4. Copy unzipped folder to the root directory of the Magento store.
- 5. Run command php -f bin/magento module:enable Mirasvit\_Core Mirasvit\_DynamicCategory Mirasvit\_Merchandiser to enable the extension.
- 6. Run command php -f bin/magento setup:upgrade to install the extension.
- 7. Run command php -f bin/magento cache:clean to clean the cache.

#### 8. Deploy static view files

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

#### ?

# **Dynamic Category**

The Dynamic Category extension automatically assigns products to categories. It frees up store managers' time and reduces the potential for error when assigning products to categories.

#### Checking if the extension is active

In the Magento admin panel sidebar, navigate to **Stores > Configuration > Mirasvit extensions > Developer**. Verify that Mirasvit\_DynamicCategory in ON.



If the extension is OFF, then run in the command line interface the fifth command in the list <u>How to install the</u> <u>extension manually</u>: bin/magento module:enable Mirasvit\_DynamicCategory.



#### Automatically assign categories

Navigate to **Catalog** > **Categories** using the Magento admin panel sidebar. Locate the existing category or add a new subcategory where you want to use the automatic category assignment.



While editing this category, expand the drop-in menu **Products in Category**. Activate the **Dynamic Category** option and create the conditions for automatic product selection. Specify these conditions under the section **Products Selection Conditions**.

Press the Save button to commit changes.

#### Using additional custom product attributes

With the Dynamic Category extension, you can use product attributes beyond the standard list. To apply the attributes your store created, they must have activated the option **Use for Promo Rule Conditions**.

attribute1	Delete
Use in Search Results Layered Navigation	No Can be use Price.
Position	0 Position of
Use for Promo Rule Conditions	Yes
Allow HTML Tags on Storefront	Yes
Visible on Catalog Pages on Storefront	No
Used in Product Listing	No Depends of
Used for	
	Use in Search Results Layered Navigation Position Use for Promo Rule Conditions Allow HTML Tags on Storefront Visible on Catalog Pages on Storefront

Navigate to **Stores > Attributes > Products** and select the attribute you need to use for dynamic categories. On the attribute page, open the tab **Storefront Properties** and scroll down the page to the option **Use for Promo Rule Conditions**. Move the option activation switch to **Yes**.

Û	Bike (ID: 44)					
and the second s	<ul> <li>Collections (ID: 7) (13)</li> <li>Sale (ID: 37) (0)</li> <li>Training (ID: 9) (6)</li> <li>Root category (ID: 42) (0)</li> <li>Bike (ID: 44) (0)</li> <li>Activity (ID: 47) (10)</li> </ul>	Content				
\$ SALES		Display Settings				
CATALOG		Search Engine Optimizatio				
		Products in Category				
		Dynamic Category				
			Mai con			
REPORTS		Products Selection Conditions	lf			
STORES						
SYSTEM			Only save.			
			Pr			

### Using smart attributes and Multi Source Inventory

In addition to default Magento product attributes, the Dynamic Category extension creates a set of its own attributes to use in conditions for assigning products to the category. These are:

- Is New
- Has Active Special Price

- Rating [1...5]
- Number of reviews
- Source



Is New

The attribute **Is New** monitors the product attribute **Set Product as New From**. It assigns the product to the category if the current date is between the dates specified in attribute Set Product as New From for the

#### particular product.

\$ SALES	Joust Duffle Bag	
CATALOG	<b>vveigni</b> [global]	IUS
CUSTOMERS	Categories [global]	Gear × Bags ×
	Visibility [store view]	Catalog, Search
CONTENT	Set Product as New From [website]	04/13/2021
REPORTS	<b>Country of Manufacture</b> [website]	
STORES	Activity [global]	Hike Outdoor
SYSTEM		Running Warmup
FIND PARTNERS & EXTENSIONS		Yoga Recreation

The standard Magento **New** attribute is applied to products that have activated the attribute option New.



Has Active Special Price

With this attribute, a product can be assigned to a category if the current date is in between the dates of **Special Price From** parameter. This parameter is located on the **Advanced Pricing** page.



#### Rating [1...5]

Using this attribute, you can segregate products with the desired user rating. You can specify decimal fraction number from 1 to 5 and condition that the product rating was exactly that specified number, higher or lower.



Assign products that have a specified number of user reviews.

DASHBOARD	Activity (ID: 47)			
SALES		Ρ	roducts Select Conditio	ons If ALL Num @ Only pro
CUSTOMERS MARKETING CONTENT		Search	Reset Filt	save. Previ ter 89 rec
REPORTS		ID	† Name	SKL
SYSTEM		2046	Erika Ri Short	unning WSI
FIND PARTNERS & EXTENSIONS		2030	Ina Compre Short	

Put only an integer number if you want to match the exact number of reviews using the condition is.

#### Source

For multi-channel inventories, you can select products that are located in the same physical location (warehouse, brick-and-mortar store, drop shippers, distribution centers, etc.).



When using the **Source** parameter, you can specify only one source at once. Add the new **Source** parameter to add one more source to condition.

#### Quickly distinguish dynamic categories

You can easily see which categories have the dynamic category option activated. Such categories in the category tree have a green dot in the left upper corner of the folder icon.



#### **Updating indexers**

Categories should be automatically updated as the changes are applied when the Save button is pressed.

If the category is still displayed as empty on the frontend of the store, navigate to **System > Tools > Index Management**. Check to see if the **Category Products** indexer needs reindexing.



To reindex in command line interface, execute the command bin/magento indexer:reindex. This command reindexes one time only. To keep indexers up-to-date, you must set up a cron job.



What's NewWomen  $\lor$ Men  $\lor$ Gear  $\lor$ SaleTraini

We can't find products matchi

Home > Activity

# Activity

**Compare Products** 

You have no items to compare.

My Wish List

You have no items in your wish list.



You can reindex dynamic categories with the following command:

bin/magento mirasvit:dynamic-category:reindex

#### Dynamic category usage example

The task is to segregate available products for physical activity into their own category.

To do so, create a new category **Activity** as a subcategory of a **Default Category**. Read the <u>Magento User</u> <u>Guide on Creating Categories</u> for detailed instructions.



The new Activity category is empty for now:



What's New	Women $\vee$	Men ∨	Gear $\vee$	Sale	Training 🗸	R
Home > Activity	у					
Activit	У					
	-					
Compare Pro	ducts		We can't fi	nd produc	ts matching the s	selec

You have no items to compare.

My Wish List

You have no items in your wish list.

To automatically fill it with products, activate the dynamic category switch in the drop-in menu Products in Category and this will activate the availability of the option **Products Selection Conditions**.



- Product attributes Activity
- is one of
- exact value
- specify the activity (Hike, Outdoor, Running, Gym, Climbing, etc.)



Press the button **Preview Products** to look at the item that will be automatically placed in the **Activity** category. If some products are missing or wrongfully present – edit the **Products Selection Conditions** accordingly.

When finished editing the conditions for automatic product assignment for the category – press the **Save** button.

# 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-dynamic-category: \* -- update-with-dependencies to update current extension with all dependencies.

#### Note

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

Run instead composer update mirasvit/\* command. It will update all Mirasvit modules installed in 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 on your server and navigate to the root directory of the Magento 2 store.
- 2. Run the command php -f bin/magento module:disable Mirasvit\_DynamicCategory Mirasvit\_Merchandiser to disable the extension.
- 3. Log in to the Magento backend and refresh the store cache (if enabled).

# **Extension Removal**

To uninstall the extension, please follow these steps:

- 1. Login to the SSH console on your server and navigate to the root directory of the Magento 2 store.
- 2. Run command php -f bin/magento module:disable Mirasvit\_DynamicCategory Mirasvit\_Merchandiser to disable the extension.
- 3. Run command composer remove mirasvit/module-dynamic-category to remove the extension.
- 4. Log in to the Magento backend and refresh the store cache (if enabled).

# **Change Log**

# 1.4.25

(2025-06-27)

#### Improvements

• Displaying the actual product position when applying a filter in the product grid

# 1.4.24

(2025-06-16)

#### Improvements

• WCAG 2.2 AA compatibility for admin templates

#### Fixed

• Slow loading of the root category edit page

# 1.4.23

(2025-05-26)

#### Fixed

• All products are assigned to the new category

# 1.4.22

(2025-05-19)

#### Fixed

• "Has Active Special Price" condition is not working for the bundle product

# 1.4.21

(2025-05-07)

#### Improvements

• Added the ability to change products positions in the dynamic category

#### Fixed

• Wrong product position if it was unchecked in the products grid

# 1.4.20

(2025-04-29)

#### Fixed

• Dynamic category icon is not visible in the category tree on magento 2.4.7+

# 1.4.19

(2025-04-28)

#### Fixed

• Performance improvement when saving product via API

# 1.4.18

(2025-04-14)

#### Fixed

• Settings refactoring

# 1.4.17

(2025-03-14)

#### Fixed

• Enterprise edition compatibility

# 1.4.16

(2025-03-06)

#### Fixed

• Parent product attributes have wrong store\_id if Product Save Action set to "By Message Queue"

#### Fixed

- Manual Dynamic Category is assigned when a product is duplicated
- Assign category when saving product via API

# 1.4.14

(2025-02-19)

#### Improvements

- Has Special Price condition is satisfied if product special price is less than regular price
- Smart attributes were moved to the top of the conditions list

#### Fixed

• Issue with attribute default value on multistore

# 1.4.13

(2024-12-30)

#### Improvements

• Added new condition "Stock Quantity"

#### Fixed

• Issue related to navigating the grid of preview products with selected products if the category is not saved as the dynamic category

# 1.4.12

#### (2024-11-20)

#### Fixed

- Invalidate catalog\_category\_product index after catalog price rules were applied if isDiscounted condition is used
- Incorrect store id when saving product via API

# 1.4.11

(2024-11-08)

• Issue related to stock status condition

# 1.4.10

(2024-09-16)

#### Fixed

• Issue related to product validation by store level attribute value

# 1.4.9

(2024-09-13)

#### Fixed

• Issue related to global attributes on different root categories

# 1.4.8

(2024-09-04)

#### Fixed

• Issue related to stock status condition

# 1.4.7

(2024-08-30)

#### Fixed

• Issue related to product selection on different root categories

# 1.4.6

(2024-08-21)

#### Fixed

Compatibility with Magento\_VisualMerchandiser

# 1.4.5

(2024-08-20)

#### Improvements

• Reindexing time improved

# 1.4.4

(2024-08-12)

#### Fixed

- Added compatibility with BSS Admin Product Grid with Category
- Fixed the issue with error on category edit page (conflict with Magento\_PricePermissions)
- Issue related to IsNew condition

# 1.4.3

(2024-07-15)

#### Fixed

• Issue related to category\_is\_one\_of condition

# 1.4.2

(2024-06-25)

#### Fixed

• Issue related to category store-view level data

# 1.4.1

#### (2024-05-27)

#### Fixed

- Issue related to reset filter in virtual merchandiser
- Unescaped output

```
(2024-05-17)
```

#### Improvements

• Added new condition "Is Discounted"

#### Fixed

- Issue related to changing of product position on products grid
- Assign products to categories on attribute update mass action
- Issue related to preview

# 1.3.28

(2024-05-14)

#### Fixed

• Issue related to preview

# 1.3.27

(2024-05-09)

#### Fixed

• Issue related to virtual merchandiser

# 1.3.26

(2024-05-07)

#### Improvements

• Adding an ability to use message queue for product validation on product save

# 1.3.25

(2024-05-01)

#### Fixed

• Has special price condition

# 1.3.24

#### (2024-04-29)

#### Fixed

• Issue related to saving category data on store view level

# 1.3.23

(2024-04-24)

#### Fixed

- Issue related to Has Special Price condition
- Preview issue on store\_view level

# 1.3.22

(2024-04-15)

#### Fixed

- Use default checkbox does not work on store\_view level
- Issue related with changing position on products grid on several pages

# 1.3.21

(2024-03-11)

#### Fixed

• All products are assigned to the category when it is created

# 1.3.20

#### (2024-02-12)

#### Fixed

• Issue with updating of category data

# 1.3.19

#### Fixed

• Description of dynamic category was not saved

# 1.3.18

#### (2024-01-17)

#### Fixed

• Fix an error on product save - The category does not contain the specified product

# 1.3.17

#### (2024-01-03)

#### Fixed

• Enterprise edition compatibility

# 1.3.16

#### (2023-12-18)

#### Improvements

• Adding console command to check if product satisfies category conditions

#### Fixed

• Changes to the category are not saved

# 1.3.15

#### (2023-11-29)

#### Features

• Check and handle url\_key\_already\_exists exception

#### Fixed

- Cache invalidate during category assignment
- Consider parent when saving child product

# 1.3.14

(2023-11-08)

#### Fixed

- Enterprice edition compatibility
- Error on preview button apply

# 1.3.13

(2023-11-01)

#### Fixed

- Sorting issue with merchandizer m2.4.6
- Fixed manual assigning from the category page

# 1.3.12

(2023-10-10)

#### Fixed

• Sorting issue with merchandiser

# 1.3.11

(2023-10-02)

#### Fixed

• additional check of product and category existence during reindex

# 1.3.10

(2023-09-25)

#### Fixed

• compatibility with php82

#### Fixed

• issue related with updating product via API

# 1.3.8

#### (2023-09-13)

#### Fixed

• Warning: Trying to access array offset on value of type bool in Mirasvit/DynamicCategory/Service/AttributeService.php on line 108

# 1.3.7

#### (2023-09-08)

#### Fixed

• Smart Attribute "Is Salable"

# 1.3.6

(2023-09-06)

#### Fixed

• If child product is assigned to dynamic category on product save parent product is assigned as well

# 1.3.5

(2023-08-29)

#### Fixed

• Assign dynamic category from product page

# 1.3.4

(2023-08-25)

#### Fixed

• Updated db\_schemawhitelist.json

# 1.3.2

#### (2023-08-18)

#### Fixed

• Issue with quantity condition

# 1.3.1

(2023-08-10)

#### Improvements

- Added a brand-new sub-module "Visual Merchandizer", which provides a more user-friendly interface and allows for visually ordering products within the category
- Added the ability to manually assign products to dynamic categories, allowing categories to contain both manually added products and products filtered by rules simultaneously
- Queue status visualization

# 1.2.28

(2023-07-28)

#### Improvements

• Ability to not automatically include the parent product if its child is included in a dynamic category

# 1.2.27

(2023-07-24)

#### Fixed

• Category data is not saved under certain conditions

# 1.2.26

(2023-07-13)

#### Fixed

• Products are not showing on the preview

# 1.2.24

#### (2023-06-13)

#### Fixed

• Error "array\_diff(): Argument #2 must be of type array, null given in Plugin/Backend/AddDynamicCategoryOnProductSaveM243Plugin"

# 1.2.23

(2023-06-07)

#### Improvements

• Added a warning for manually assigning dynamic categories

#### Fixed

• Compatibility with the Enterprise version

# 1.2.22

(2023-05-16)

#### Improvements

• Speed up rule validation

#### Fixed

• Reverting data during reindexing

# 1.2.20

#### (2023-04-27)

#### Fixed

• Validation for multiselect attributes

# 1.2.18

(2023-04-18)

• Store ID during reindex

# 1.2.17

(2023-04-04)

#### Fixed

• Error "Table mage\_catalog\_product\_category\_cl does not exist"

# 1.2.15

(2023-04-03)

#### Fixed

- Compatibility with PHP 8.2
- Compatibility with Magento 2.3.2
- Issue with backlog products

#### Improvements

• Speedup rule validation

# 1.2.14

(2023-03-07)

#### Fixed

- Error "Unique constraint violation found"
- Error "You cannot define a correlation name 'tbl\_categoryids'"

# 1.2.13

#### (2023-03-02)

#### Fixed

• Child product validation

# 1.2.12

#### Fixed

• The issue when reindex remove all products from a category

# 1.2.8

(2023-01-25)

#### Fixed

- URL rewrites during dynamic category saving`
- Console command stops reindex process on the first error

# 1.2.7

#### (2023-01-20)

#### Fixed

• Removing rewrites

# 1.2.6

(2023-01-06)

#### Improvements

• Memory usage during reindex

# 1.2.5

(2022-12-15)

#### Fixed

- The error "Area code is not set"
- Removing rewrites during reindex

# 1.2.4

(2022-12-05)

#### Fixed

• The error "Integrity constraint violation: 1062 Duplicate entry for key 'CATALOG\_CATEGORY\_PRODUCT\_CATEGORY\_ID\_PRODUCT\_ID'''

# 1.2.3

(2022-12-04)

#### Fixed

• Website filter (exclude products that do not assign to website)

# 1.2.2

(2022-11-27)

#### Fixed

- Results for "Any" aggregator
- Preview does not take in the consideration the option "Exclude Products"

# 1.2.1

(2022-11-08)

#### Improvements

• Moved category reindex to Message queues

# 1.1.13

(2022-11-03)

#### Fixed

• Smart conditions

# 1.1.12

(2022-10-25)

#### Fixed

• Rule validation on reindex

# 1.1.11

#### (2022-10-10)

#### Fixed

• Error "str\_replace(): Argument #3 (\$subject) must be of type array|string, Magento\Framework\DB\Select given"

# 1.1.10

(2022-10-07)

#### Fixed

• The issue when reindex do not disable on save

# 1.1.9

(2022-10-05)

#### Fixed

• Issue when category does not reindex on save

# 1.1.8

(2022-09-23)

#### Improvements

• Speedup rule validation

# 1.1.7

(2022-09-05)

#### Improvements

• Added option "Run with Reindex Process"

# 1.1.6

(2022-08-04)

#### Fixed

• Condition "Has Active Special Price" does not include catalog rule discount

# 1.1.5

(2022-07-28)

#### Improvements

• Added option "Reindex after save"

# 1.1.4

#### (2022-07-11)

#### Improvements

• Added the ability to select products by pattern

#### Fixed

- Dynamic Category icon for categories with children
- Timeout issue when saving dynamic category

# 1.1.3

(2022-06-20)

#### Improvements

• remove db\_schema\_whitelist.json

# 1.1.2

(2022-06-14)

#### Fixed

• Compatibility php7.1

# 1.1.1

#### (2022-05-25)

#### Fixed

• Assign category when saving product through API

# 1.1.0

(2022-05-23)

#### Improvements

• Migrate to declarative schema

# 1.0.29

#### (2022-03-21)

#### Fixed

• Issue when cannot disable dynamic category

# 1.0.28

(2022-02-10)

#### Improvements

• Added parent/child conditions

# 1.0.26

#### (2022-01-19)

#### Improvements

• Added option "Exclude Products"

# 1.0.25

(2021-12-24)

#### Fixed

• Reindex category on save

# 1.0.24

(2021-11-23)

#### Improvements

• Indexation workflow

# 1.0.23

(2021-11-19)

#### Fixed

• Compatibility with m2.4.2

# 1.0.22

(2021-11-09)

#### Improvements

• Decrease reindex time

# 1.0.21

(2021-11-03)

#### Improvements

• Added smart attribute "Created"

#### Fixed

• Condition "Has Active Special Price is No"

# 1.0.20

(2021-10-12)

#### Improvements

• Added option "Reindex Mode"

# 1.0.19

(2021-08-05)

#### Fixed

• Assign product to category on product save using REST API

### 1.0.18

(2021-06-29)

#### Improvements

• Validation of the configurable products

# 1.0.17

(2021-05-28)

#### Improvements

- Added new condition "Is Salable"
- Added the ability to copy rules from other dynamic categories

# 1.0.16

(2021-04-13)

#### Fixed

• Call to a member function isStatic() on bool in vendor/magento/moduleeav/Model/Entity/Collection/AbstractCollection.php (deleted attribute)

# 1.0.15

(2021-04-12)

#### Fixed

• JS error on the category tree (rules)

# 1.0.14

(2021-01-11)

#### Fixed

• Apply Sale rule on configurable products too

# 1.0.13

(2021-01-07)

#### Fixed

• Compatibility with PHP 7.1

# 1.0.12

(2020-12-22)

#### Fixed

• Display of attributes of type "textarea"

#### Improvements

• Speedup category reindex

# 1.0.11

#### (2020-12-11)

#### Fixed

• Rename condition "On Sale" to "Has Active Special Price"

#### Improvements

• Added command "mirasvit:dynamic-category:reindex"

### 1.0.10

#### Improvements

- New rule condition by product rating
- New rule condition by number of reviews

# 1.0.9

(2020-11-26)

#### Fixed

• Rule condition for the attribute "Quantity"

# 1.0.8

#### (2020-11-10)

#### Fixed

• Compatibility with m2.3.2

# 1.0.7

(2020-10-16)

#### Fixed

• Minor fixes

# 1.0.6

(2020-10-12)

#### Fixed

• Issue with reindex

# 1.0.5

(2020-10-12)

#### Fixed

• Issue with reindex

# 1.0.4

(2020-10-09)

#### Improvements

• Added filter by Product Type

# 1.0.3

(2020-10-08)

#### Fixed

• On sale feature

# 1.0.2

(2020-10-06)

#### Improvements

• New conditions

# 1.0.1

(2020-09-23)

#### Fixed

• Minor fixes

# 1.0.0

(2020-09-21)

#### Features

• Initial release