

Magento 2 Product Shelf Life

Installation and User Guide for Magento 2 Product Shelf life Extension

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Installation

- **Installation via app/code:** Upload the content of the module to your root folder. This will not overwrite the existing Magento folder or files, only the new contents will be added. After the successful upload of the package, run below commands on Magento 2 root directory.

```
php bin/magento setup:upgrade
php bin/magento setup:di:compile
php bin/magento setup:static-content:deploy
```

- **Installation via Composer:** Please follow the guide provided in the below link to complete the installation via composer.

<https://docs.scommerce-mage.com/magento-2-extensions/installation-via-composer/installation-via-composer>

Configuration Settings for Product Shelf Life Expiration

Go to **Admin > Stores > Configuration > Scommerce Configuration > Product Shelf Life Expiration**

General Settings

- **Enabled** - Select "Yes" or "No" to enable or disable the module.
- **License Key** -Please add the license for the extension which is provided in the order confirmation email. Please note license keys are site URL specific. If you require license keys for dev/staging sites then please email us at support@sccommerce-mage.com.

General Settings

The screenshot shows the 'General Settings' section of the Magento Admin interface. It features two main configuration fields:

- Enabled [store view]:** A dropdown menu currently set to 'Yes'. Below it, a note states: 'This setting will be used to enable or disable module'. A callout box points to this field with the instruction: 'Select "Yes" to enable the module'.
- License Key [store view]:** A text input field containing the license key: '\$2y\$10\$kw8Nr72W.RXLb5JgstqN8uEhu8IVbr4185Rve2'. Below it, a note states: 'This setting will be used to verify your license key for the give domain'. A callout box points to this field with the instruction: 'Enter the license key for the module'.

At the bottom of the license key field, there is a red note: 'N.B. License keys are domain specific so for your testing or staging sites please email us at core@sccommerce-mage.com'.

Batch Settings

- **Batch expiry email notification period (number of days)** - Please define batch expiry email notification period. This setting will check the batch expiry date and will send an email notification to the admin for the same.
- **Batch expiry email notification (Yes/No)** - Please select "Yes" or "No" to "Enable" or "Disable" the email notification regarding batch expiration.
- **Disable batch once expired** - Please select "Yes" or "No" to disable the batch. It disables the batch automatically once their expiry date is passed and runs as part of cron job at midnight.
- **Email Addresses** - Please provide email addresses (comma separated) to send the batch expiration email notification.
- **Email Sender** - Please select sender/ from email addresses for Batch expiry updated.
- **Select Email Template** -Please select the email template for batch expiry email notification.
- **Cron Scheduler for expiry batch notification** - This setting will be used to send the email through the cron.
- **Batch Selection Attribute** - This setting will determine how batches are selected automatically.
- **Batch Selection Attribute Direction** - As per the batch selection attribute you can choose the direction for example Ascending(ASC) or Descending(DSC).
- **Batch Selection** - You can choose to select batches automatically based on batch selection attribute or you can set it to Manual. When Manual you will be able to select batches during shipment.

Batch Settings

Batch expiry email notification period (number of days)

This setting will check the batch expiry date and will send an email notification to admin.

Please add number of days for batch expiry email

Batch expiry email notification [store view]

If set to "Yes" then it will send an email notification for batch expiration.

Select "Yes" for batch expiry email notification

Disable batch once expired [store view]

This setting allows disabling the batch automatically once their expiry date is passed. It will run as part of cron job at midnight.

Select "Yes" to disable batch once expired

Email addresses [store view]

Please provide email addresses (comma separated) to send the batch expiration email notification.

Please select the email addresses

Email Sender [store view]

Please select sender/from email address for Batch expiry updates

Please select the email sender

Select email template [store view]

Please select the email template for batch expiration notification.

Please select the email template

Cron Scheduler for expiry batch notification

This setting will send the email through the cron (default - Midnight)

Please add the cron scheduler for expiry batch notification

*
| | | | |
| | | | +---- Day of the Week (range: 1-7, 1)
| | | +----- Month of the Year (range: 1-12)
| | +----- Day of the Month (range: 1-31)
| +----- Hour (range: 0-23)
+----- Minute (range: 0-59)
Example: 0 0 * * * Daily at midnight

Batch Selection Attribute [store view]

Field code for sorting when batch is getting for product. Default sort by batch_expiry E.g. batch_expiry

Please select the Batch selection attribute

Batch Selection Attribute Direction [store view]

Select "ASC" if you want to use ascending sort direction. "DESC" for descending direction.

Please select the batch selection attribute direction

Batch Selection [store view]

Automatic selection will select batches automatically based on batch selection attribute and direction whereas manual selection will allow administrator to select batch and qty manually during the time of shipment.

Please add the batch selection

Product Batches Grid

You can create and manage product batches from, **Admin > Product Batches**. This grid will have all the details about batches like ID, Batch Code, Product SKU, Batch Status, Batch Qty, Batch Expiry, Action/Edit and Source Inventory.

26 records found

30 per page 1

ID	Batch Code	Product Sku	Batch Status	Batch Qty	Batch Expiry	Action	Source Inventory
125	Test4	N/A	Enable	20	2020-01-29	Edit	newtest
132	j2	N/A	Enable	10	2020-01-25	Edit	US
138	d2	N/A	Enable	15	2020-01-26	Edit	default
139	T1	N/A	Enable	10	2020-01-27	Edit	test

- **Add Sources at Product Level** -You can add product source from **Admin > Catalog > Select Products > Click "Assign Sources"> Select "Source"> Click "Done"** .

Sources

Assign Sources

Advanced Inventory

Assigned Sources

Name	Source Status	Source Item Status	Qty *	Notify Qty
Default	Enabled	In Stock	100	1
				<input checked="" type="checkbox"/> Use Default
US	Enabled	In Stock	10	1
				<input checked="" type="checkbox"/> Use Default

- **Add New Product Batch** -To create new product batch, go to **Admin > Product Batches>click 'Add New Batch'**. It will take you to the new product batch page and by providing all the required details; you can create the new batch.

New Product Batch

Add Product Batch

Batch Code/Number *

Add batch code/number. This should be a unique code.

Batch Quantity *

Add the batch quantity.

Source Inventory *

Choose source inventory for this batch.

Batch Status

This setting will enable/disable the batch.

Batch Expiry *

Add the batch expiry date.

Associate Product Sku


This batch has been assigned to the product SKU:


- **Un-Associate / Delete Product Batch** -To un-associate and delete product batch, go to **Admin > Product Batches> Select Batch > Edit >Click "Un-Associate with Product"** and for **Delete** click on **"Delete"** button.


Edit Product Batch

Batch Code/Number *
Add batch code/number. This should be a unique code.

Batch Quantity *
Add the batch quantity.

Source Inventory * 
Choose source inventory for this batch.


Batch Status 
This setting will enable/disable the batch.


Batch Expiry * 
Add the batch expiry date.

Associate Product Sku
This batch has been assigned to the product SKU: MJ01-XS-O



Product Batches at Product Level

When user enables the module then Product Batches section appears at, **Admin>Catalog>Product>Select Product>Edit>Product Batches**. From this section, users can add new batch or can associate specific existing batch to a product.

← Back Add Batch Add Attribute Save 

Product Batches 

Batches
Please use Add Specific Batch to associate batches (grid) to the current product. Add Specific Batch

 1 of 1 

ID	Batch Code	Batch Expiry	Batch Quantity	Source Inventory	Actions
132	j2	2020-01-25	<input type="text" value="10"/>	US	Remove
138	d2	2020-01-26	<input type="text" value="15"/>	default	Remove

Add Specific Batch to Product

You can also add specific batches to a product from, **Admin > Catalog > Product > Select Product >Edit >Product Batches** >Click"**Add Specific Batch**". It redirects to **Batch Grid** and by selecting batch **ID** you can associate active batches to a product.

Batch Grid

Cancel

Add Selected Batches

2 records found (3 selected)

20 per page

<

1

	ID	Batch Code	Source Inventory	Batch Qty	Batch Status	Batch Expiry
<input type="checkbox"/>	132	j2	US	10	Enable	2020-01-25
<input type="checkbox"/>	138	d2	default	15	Enable	2020-01-26

- **Select Batches During Shipment** -To select the batch during shipment make sure **Batch Selection** is set to **manual** in the configuration then navigate to **Admin> Sales > Order > Select Order > View>Generate Invoice>Click on Ship**. When you scroll down on the page you will see the option to select the batches manually. The product quantity will be deducted from the selected batch. Please refer to the image below:-

Batch Code - Expiry Date - Total Qty	Quantity	Action
Shelf_02 - 2021-02-12 - 600	100	
Shelf_02 - 2021-02-12 - 600	200	

Add New Row

- **Batch Details on the Order View Page** -To view the product batch related details, go to **Admin > Sales > Order > Select Order > View**.

Items Ordered

Product	Item Status	Original Price	Price	Qty
Joust Duffle Bag	Shipped	\$45.00	\$45.00	Ordered 15 Invoiced 15 Shipped 15

SKU: 24-MB01

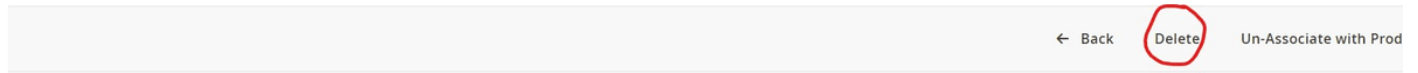
Batch Details

Code:
UKBatch1
Quantity: 10
Expiry: 2020-01-28
Source: UK

Deleting or Un- Associating a Product Batch

- **Deleting:** -To delete a product batch, go to Catalog>Product Batches then select the product batch that you want to delete. From Action column click Edit. Here you will see the option to delete the Product batch.

Note:- If an order has been shipped then you won't be able to delete that product batch. You will see an error.



Edit Product Batch

Batch Code/Number *
Add batch code/number. This should be a unique code.

Batch Quantity *
Add the batch quantity.

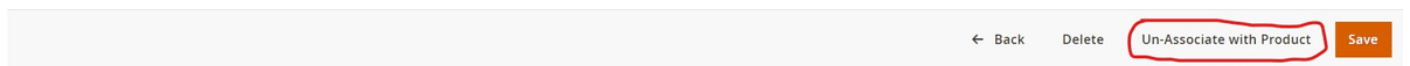
Source Inventory *
Choose source inventory for this batch.

Batch Status
This setting will enable/disable the batch.

Batch Expiry *
Add the batch expiry date.

Associate Product Sku
This batch has been assigned to the product SKU: TestSimpleA_1

- **Un-Associating:-** To Un-Associate a product batch, go to Catalog>Product Batches then select the product batch that you want to delete. From Action column click Edit. Here you will see the option to Un-Associate the Product batch.



Edit Product Batch

Batch Code/Number *
Add batch code/number. This should be a unique code.

Batch Quantity *
Add the batch quantity.

Source Inventory *
Choose source inventory for this batch.

Batch Status
This setting will enable/disable the batch.

Batch Expiry *
Add the batch expiry date.

Associate Product Sku
This batch has been assigned to the product SKU: TestSimpleA_1

Note:- If an order has been shipped then you won't be able to delete that product batch. You will see an error.

- **Batch Report:-** To view the detailed batch report go to your admin panel then **Reports>Sales>Batches**. Here you can see all the orders associated with a product batch with the following information:-
 - Order Number
 - Purchase Date
 - Customer
 - Customer Group
 - Product Name
 - Batch code
 - Batch Quantity
 - Expiry Date

Batch Report

Search prashant.singh

Store View: All Websites

Search [Reset Filter](#) 240 records found Export to: CSV 20 per page 1 of 12

Order Number	Purchase Date	Customer	Customer Group	Product name	Batch Code	Batch Qty	Expiry Date
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
From	From					From	From
To	To					To	To
000000034	Aug 14, 2020, 12:42:30 PM	Shelf Life	General	Joust Duffle Bag	testBatchMainDefault_01	5	Aug 21, 2020
000000035	Aug 14, 2020, 1:08:58 PM	Shelf Life	General	Joust Duffle Bag	testBatchMainDefault_01	10	Aug 21, 2020
000000035	Aug 14, 2020, 1:08:58 PM	Shelf Life	General	Joust Duffle Bag	testBatchMainDefault_02	5	Aug 22, 2020
000000035	Aug 14, 2020, 1:08:58 PM	Shelf Life	General	Joust Duffle Bag	testBatchMainDefault_03	0	Aug 24, 2020
400000012	Aug 14, 2020, 1:17:16 PM	Shelf Life	General	Joust Duffle Bag	testBatchMainDefault_01	10	Aug 21, 2020
400000012	Aug 14, 2020, 1:17:16 PM	Shelf Life	General	Joust Duffle Bag	testBatchMainDefault_02	5	Aug 22, 2020
400000012	Aug 14, 2020, 1:17:16 PM	Shelf Life	General	Joust Duffle Bag	testBatchMainDefault_03	0	Aug 24, 2020
000000036	Aug 14, 2020, 1:38:54 PM	Shelf Life	General	Joust Duffle Bag	testBatchMainDefault_01	10	Aug 21, 2020
000000036	Aug 14, 2020, 1:38:54 PM	Shelf Life	General	Joust Duffle Bag	testBatchMainDefault_02	5	Aug 22, 2020
000000036	Aug 14, 2020, 1:38:54 PM	Shelf Life	General	Joust Duffle Bag	testBatchMainDefault_03	0	Aug 24, 2020

Import / Export Product Batches

To import and export product batches, go to **Admin > System > Import / Export**.


- **Import** - It updates the stock quantity and disables the batches if they are expired.
- **Export**-It exports the batches in the selected file format, e.g. CSV.

Import Settings

Import


 Make sure your file isn't more than 768M.

Import Settings

Entity Type *  [Download Sample File](#)

Import Behavior

Import Behavior *  

* 

Allowed Errors Count *

Please specify number of errors to halt import process

Field separator *

Multiple value separator *

Empty attribute value constant *

Fields enclosure

File to Import

Select File to Import * No file chosen

File must be saved in UTF-8 encoding for proper import

Images File Directory



For Type "Local Server" use relative path to Magento installation, e.g. var/export, var/import, var/export/some/dir

CSV File Format for Import - CSV file will have batch_code, batch_qty, batch_status, batch_expiry, product_sku and source_inventory.

A	B	C	D	E	F
batch_code	batch_qty	batch_status	batch_expiry	product_sku	Source_inventory
batch_code1	1	1	15-09-2019	24-MB01	UK
batch_code2	1	1	15-09-2019	24-MB01	US
batch_code3	1	1	15-09-2019	24-MB03	Uk

Export Settings

Export

  product.shelflife ▾

Export Settings

Entity Type ▾

Export File Format ▾

Fields Enclosure

Entity Attributes

Search

[Reset Filter](#)

0 records found

Exclude	Attribute Label	Attribute Code	Filter
	<input type="text"/>	<input type="text"/>	
We couldn't find any records.			

[Continue](#)

- **Batch Expiration Email Notification** - When you select "Yes" for "Batch expiry email notification" from **Admin > Stores > Configuration > Scommerce Configuration > Product Shelf Life Expiration > Batch Settings**, then it sends an email notification for batch expiration.



Dear Admin,

Below are the batches expiring in next 6 days

Code	Quantity	Expiry Date	Associated product sku
New Batch	5	2019-09-28	N/A
batch12	10	2019-09-24	24-MB06
test_code4	4	2019-09-25	N/A
batch_code2	1	2019-09-29	24-MB01
batch_code3	1	2019-09-29	24-MB03
newk2	12	2019-09-25	24-MB05
newP2	5	2019-09-25	24-WB06
batch_code1	1	2019-09-29	24-MB01
New Batch j1	2	2019-09-27	24-MB01
testP6	5	2019-09-25	24-MB03
batch_code4	16	2019-09-29	24-MB03
batch_code5	1	2019-09-29	24-MB03

Thanks

API - Application Programming Interface

Authentication Token

auth_token can be received using the following: -

You would need credentials to your store with admin rights Parameters:-.Admin credentials

- Username
- Password

POST URL:- <http://baseurl/index.php/rest/V1/integration/admin/token> Content-Type: application/json

```
{  
"username": "admin", "password": "admin"  
}
```

Creating a Batch using API

Parameters:-

- Authorization token received from the above step
- Batch code
- Batch quantity
- Batch status
- Batch expiry
- Product SKU

POSTURL:-<http://baseurl/index.php/rest/V1/productbatches/createbatch> Content-Type: application/json

Authorization: Bearer {{auth_token}}

```
{  
"batch_code": "batchcode_001", "batch_qty": "10",  
"batch_status": "1",  
"batch_expiry": "2020-12-06", "product_sku": "MH0001"  
}
```

Retrieve all Batches using API

Parameters:-

Authorization token

GET URL:-<http://baseurl/index.php/rest/V1/productbatches/getcollection> Content-Type: application/json

Authorization: Bearer {{auth_token}}

Retrieve Date of Batch using ID 1 Using API: -

Parameters: -

- Authorization token
- Batch ID in URL

GET URL:-<http://baseurl/index.php/rest/V1/productbatches/getbatch?batchId=1> Content-Type: application/json

Authorization: Bearer {{auth_token}}

Delete Batch with ID 1 Using API: -

Parameters: -

- Authorization token
- Batch ID

PUT URL: - <http://baseurl/index.php/rest/V1/productbatches/deletebatch> Content-Type: application/json

Authorization: Bearer {{auth_token}}

```
{  
  
"batchId": 1  
  
}
```

If you have a question related to this extension please check out our [FAQ Section](#) first. If you can't find the answer you are looking for then please contact support@scommerce-mage.com.

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