

# Image Constructor For Custom Options for Magento 2

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## Installation and User Guide

### Installation

1. First of all, back up your store database and web directory. It is wise to perform this procedure before any installation.
2. Copy extension zip archive to the **magento root directory**.
3. **The next steps should be done using SSH console.** Connect to your hosting server using SSH client and go to the **magento root directory**.

```
cd ~/public_html
```

The "~/public\_html" path is an example of **magento root directory**, which can be different on your hosting server.

4. Create the **app/code/Orange35/ImageConstructor** folder and extract archive files there:

```
mkdir -p app/code/Orange35/ImageConstructor
unzip orange35-image-constructor.zip -d app/code/Orange35/ImageConstructor
```

5. **Install depended modules:**

```
composer require orange35/magento2-catalog-import-export
composer require orange35/magento2-core
```

6. Enable the modules:

```
php bin/magento module:enable Orange35_CatalogImportExport
php bin/magento module:enable Orange35_Core
php bin/magento module:enable Orange35_ImageConstructor
```

7. Run the following commands:

```
php bin/magento setup:upgrade
php bin/magento setup:di:compile
```

8. If your store is in production mode then deploy static content

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

9. Congratulations! You are now ready to use Image Constructor For Custom Options extension.

## Usage

1. Go to the Edit Product page on the back end
2. Add an Image in the **Images And Videos** accordion tab
3. Add a custom option with Option Type = Drop-down.
4. Add multiple values to the custom option. You should see the **Image Layer** column.
5. Upload an image in the **Image Layer** column for each custom option value.

The screenshot shows the 'Edit Product' page for a product named 'Tank Top'. At the top, there's a header bar with a back arrow, a list icon, the product name 'Tank Top', and a trash icon. Below this, the 'Option Title' is 'Tank Top', 'Option Type' is 'Drop-down', and it is marked as 'Required'. The main table lists three custom options: 'Blue' with a price of \$ 1.0000, 'Green' with a price of \$ 2.0000, and 'Maroon' with a price of \$ 3.0000. Each option has a 'Price Type' of 'Fixed' and an 'Image Layer' column. The 'Image Layer' column for 'Green' shows an uploaded image of a green tank top with the file path '/t/a/tank-top-green.png' and dimensions '373x560'. The 'Image Layer' column for 'Maroon' shows an uploaded image of a maroon tank top. Each row in the table has a trash icon on the right.



Title *	Price *	Price Type	SKU	Image Layer
Blue	\$ 1.0000	Fixed		Upload
Green	\$ 2.0000	Fixed		 /t/a/tank-top-green.png 373x560
Maroon	\$ 3.0000	Fixed		

Image 1. Edit Product Page

6. Save the product and find it on the front end.
7. You should see the main image.



**Image 2. Product Detail Page. Main image.**

8. Select the option value which has an Image Layer and you will see that the layer applied to the main image.



**Image 3. Product Detail Page. Main Image with Layer applied.**

## Image Constructor Test #1

[Be the first to review this product](#)

**\$50.00**

IN STOCK  
SKU#: RTP

Tank Top \*

-- Please Select --

Skirt \*

-- Please Select --

Qty

1

Add to Cart

[ADD TO WISH LIST](#) [ADD TO COMPARE](#) [EMAIL](#)

## Image Constructor Test #1

[Be the first to review this product](#)

**\$52.00**

IN STOCK  
SKU#: RTP

Tank Top \*

Green +\$2.00

Skirt \*

-- Please Select --

Qty

1

Add to Cart

[ADD TO WISH LIST](#) [ADD TO COMPARE](#) [EMAIL](#)



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## Import & Export

Module supports "Entity Type = Products" import & export.

### Import

1. Create the following **import directory** and upload layer images there  
`~/public_html/pub/media/import/catalog/orange35/image-constructor/`  
where `~/public_html` is a project root directory which may be different in your case.  
For example you have the following files there:
  - `skirt-light-blue.png`
  - `abc/skirt-light-green.png` - where `abc` is a subfolder
2. Go to the **Magento Admin > System > Data Transfer > Import** section
3. Choose **Entity Type = Products**
4. Prepare a CSV file for import. You can download a sample file and use it. Keep in mind that a **custom\_options** column may have multiple rows split by "[" separator. For each row you can add a **layer** field. Image name/path must be relative to the **import directory** (see point #1 above). E.g.:
  - `layer=skirt-light-blue.png`
  - `layer=abc/skirt-light-green.png`
5. When CSV file is ready, choose it in the **Select File to Import** field and press a **Check Data** button at the top right corner of the page.
6. If the file is valid, start import by pressing an **Import** button at the bottom of the page.

As a result, the layer images will be imported along with the products.

If a wrong layer file name is specified in a CSV file, then the product will be imported but without the layer. Also, there will be a warning in the **var/log/system.log** file, e.g.

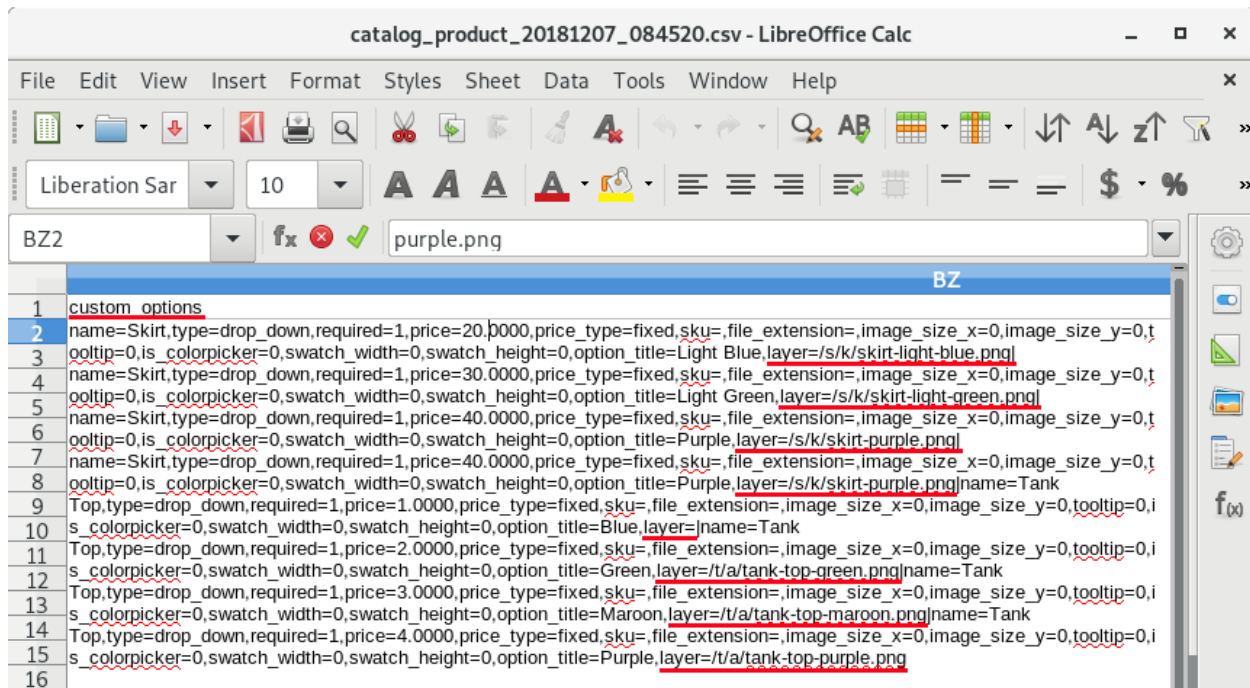
```
[2018-10-19 11:59:29] main.WARNING: Import  
[SKU=RTP-6;OPTION=Skirt;VALUE=Light Blue]. The file  
"/home/user/public_html/pub/media/import/catalog/orange35/image-constructor/  
skirt-light-blue-123.png" doesn't exist or not a file
```

The **import directory** (see point #1 above) can be removed to save disk space since images were copied to another folders during import.

## Export

1. Go to the **Magento Admin > System > Data Transfer > Export** section
2. Choose **Entity Type = Products**
3. Fill in additional product filters if needed
4. Press a **Continue** button at the bottom of the page

As a result, a csv file will be downloaded with a **layer** field in **custom\_options** column. See the screenshot below.



	BZ
1	custom_options
2	name=Skirt,type=drop_down,required=1,price=20.0000,price_type=fixed,sku=,file_extension=,image_size_x=0,image_size_y=0,tooltip=0,is_colorpicker=0,swatch_width=0,swatch_height=0,option_title=Light Blue,layer=/s/k/skirt-light-blue.png
3	name=Skirt,type=drop_down,required=1,price=30.0000,price_type=fixed,sku=,file_extension=,image_size_x=0,image_size_y=0,tooltip=0,is_colorpicker=0,swatch_width=0,swatch_height=0,option_title=Light Green,layer=/s/k/skirt-light-green.png
4	name=Skirt,type=drop_down,required=1,price=40.0000,price_type=fixed,sku=,file_extension=,image_size_x=0,image_size_y=0,tooltip=0,is_colorpicker=0,swatch_width=0,swatch_height=0,option_title=Purple,layer=/s/k/skirt-purple.png
5	name=Skirt,type=drop_down,required=1,price=40.0000,price_type=fixed,sku=,file_extension=,image_size_x=0,image_size_y=0,tooltip=0,is_colorpicker=0,swatch_width=0,swatch_height=0,option_title=Purple,layer=/s/k/skirt-purple.png
6	name=Skirt,type=drop_down,required=1,price=40.0000,price_type=fixed,sku=,file_extension=,image_size_x=0,image_size_y=0,tooltip=0,is_colorpicker=0,swatch_width=0,swatch_height=0,option_title=Purple,layer=/s/k/skirt-purple.png
7	name=Skirt,type=drop_down,required=1,price=40.0000,price_type=fixed,sku=,file_extension=,image_size_x=0,image_size_y=0,tooltip=0,is_colorpicker=0,swatch_width=0,swatch_height=0,option_title=Purple,layer=/s/k/skirt-purple.png
8	name=Skirt,type=drop_down,required=1,price=40.0000,price_type=fixed,sku=,file_extension=,image_size_x=0,image_size_y=0,tooltip=0,is_colorpicker=0,swatch_width=0,swatch_height=0,option_title=Purple,layer=/s/k/skirt-purple.png
9	Top,type=drop_down,required=1,price=1.0000,price_type=fixed,sku=,file_extension=,image_size_x=0,image_size_y=0,tooltip=0,is_colorpicker=0,swatch_width=0,swatch_height=0,option_title=Blue,layer=,name=Tank
10	Top,type=drop_down,required=1,price=2.0000,price_type=fixed,sku=,file_extension=,image_size_x=0,image_size_y=0,tooltip=0,is_colorpicker=0,swatch_width=0,swatch_height=0,option_title=Blue,layer=,name=Tank
11	Top,type=drop_down,required=1,price=2.0000,price_type=fixed,sku=,file_extension=,image_size_x=0,image_size_y=0,tooltip=0,is_colorpicker=0,swatch_width=0,swatch_height=0,option_title=Blue,layer=,name=Tank
12	Top,type=drop_down,required=1,price=2.0000,price_type=fixed,sku=,file_extension=,image_size_x=0,image_size_y=0,tooltip=0,is_colorpicker=0,swatch_width=0,swatch_height=0,option_title=Blue,layer=,name=Tank
13	Top,type=drop_down,required=1,price=2.0000,price_type=fixed,sku=,file_extension=,image_size_x=0,image_size_y=0,tooltip=0,is_colorpicker=0,swatch_width=0,swatch_height=0,option_title=Blue,layer=,name=Tank
14	Top,type=drop_down,required=1,price=2.0000,price_type=fixed,sku=,file_extension=,image_size_x=0,image_size_y=0,tooltip=0,is_colorpicker=0,swatch_width=0,swatch_height=0,option_title=Blue,layer=,name=Tank
15	Top,type=drop_down,required=1,price=2.0000,price_type=fixed,sku=,file_extension=,image_size_x=0,image_size_y=0,tooltip=0,is_colorpicker=0,swatch_width=0,swatch_height=0,option_title=Blue,layer=,name=Tank
16	Top,type=drop_down,required=1,price=2.0000,price_type=fixed,sku=,file_extension=,image_size_x=0,image_size_y=0,tooltip=0,is_colorpicker=0,swatch_width=0,swatch_height=0,option_title=Blue,layer=,name=Tank

## Known issues

### No layers in custom theme with image hover zoom

Custom theme with the mouse hover zoom on image may conflict with the Image Constructor. As a result the layers may not be visible on the main product image. To resolve this issue follow the following steps:

1. Please make sure the **imagick** php extension is installed on your hosting. Log in via SSH to your hosting server and run the following command. If it outputs “imagick” in the next line then imagick php extension is installed and you can go to the next step. Otherwise contact your hosting provider and ask to install “imagick php extension”.

```
$ php -m | grep imagick
imagick
```

2. Setup Magento to use the Image Magick adapter instead of GD2

```
php bin/magento config:set dev/image/default_adapter IMAGEMAGICK
```

3. Enable the **Single Image Strategy** (merge image and layers to a single image)

```
php bin/magento config:set orange35_image_constructor/general/single_image_strategy 1
```

4. Clear Magento cache and check the results on the frontend

```
php bin/magento cache:clean config
```

## Bug Reporting/Feature Request

Would like to report a bug, request a new feature or simply ask a question? Feel free to email us at [info@orange35.com](mailto:info@orange35.com) and we'll gladly assist you.