

# 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 **Orange35\_CatalogImportExport** module:

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

Installation via composer is preferable. Alternative installation methods might be used though, see <https://github.com/orange35/magento2-catalog-import-export>.

6. Enable the modules:

```
php bin/magento module:enable Orange35_CatalogImportExport
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' in the Magento Admin interface. At the top, there is a breadcrumb trail: 'Tank Top'. Below this, the 'Option Title' is set to 'Tank Top', the 'Option Type' is 'Drop-down', and the 'Required' checkbox is checked. Below the option configuration, there is a table with columns: 'Title', 'Price', 'Price Type', 'SKU', and 'Image Layer'. The table contains three rows of data:

Title *	Price *	Price Type	SKU	Image Layer
Blue	\$ 1.0000	Fixed		Upload
Green	\$ 2.0000	Fixed		 <small>/t/a/tank-top-green.png 373x560</small>
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 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 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 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](#)

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

## 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 > Export** 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 splitted 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 altogether 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.

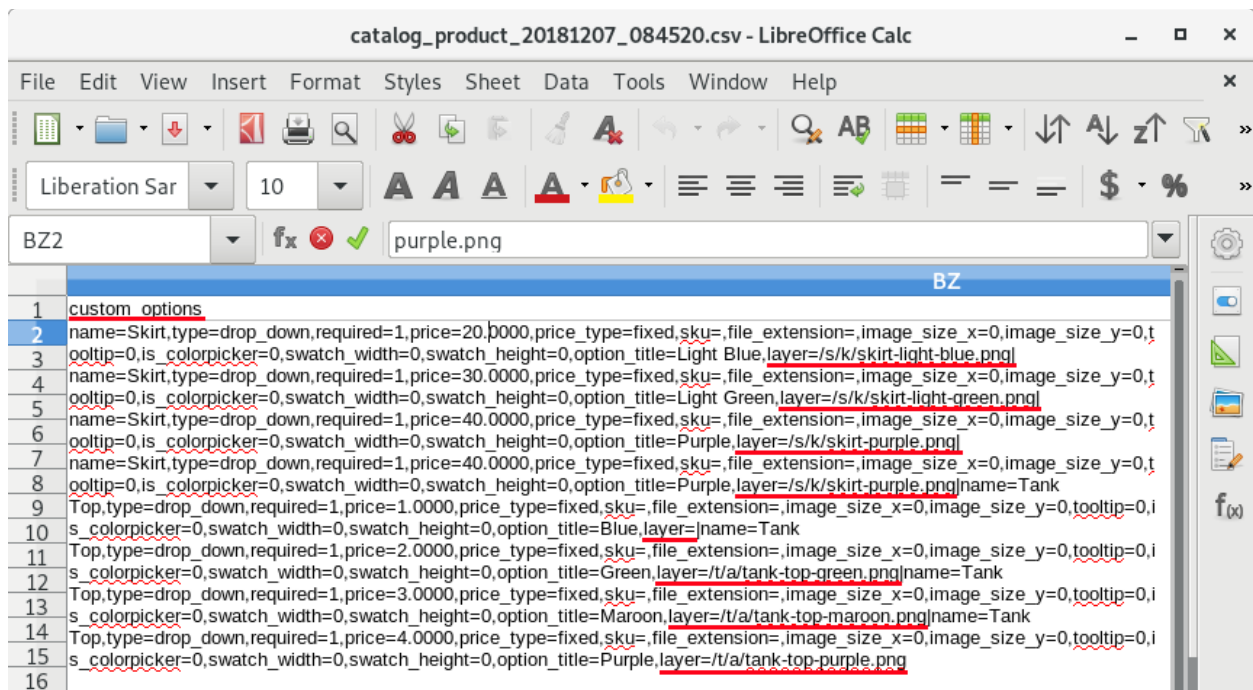
```
[2018-10-19 11:59:29] main.WARNING: Import [SKU=RTP-6;OPTION=Skirt;VALUE=Light Blue]. The file "/home/user/public_html/pub/media/import/catalog/orange35/image-constructor/skirt-light-blue-123.png" doesn't exist or not a file
```

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.



	BZ2	BZ
1		<u>custom_options</u>
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		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
10		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
11		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
12		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
13		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
14		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
15		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
16		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

## 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.