Compatibility

Magento CE	2.1.x, 2.2.x
Magento EE	2.1.x, 2.2.x
Compatible Browsers	Chrome, Safari, Firefox, Opera, IE8+

Installation Steps

1. Download the extension from the [account](#) on our store
2. Extract the folder and copy it to the root directory of Magento 2 store
3. Specify the path in the command line:
4. php /bin/magento setup:upgrade
5. If you use Magento 2.1.x, then it is required to restart Magento compile command by using:
6. php /bin/magento setup:static-content:deploy
7. Specify 777 permissions (if required) to var, pub folders which should be readable:
8. chmod -R 777 <path to Magento 2>/var
   chmod -R 777 <path to Magento 2>/pub
9. Make sure cron is installed and configured correctly. Cron setup guide can be found [here](#).
10. Make sure that [exec](#) function is allowed.
11. If you use the Self-Hosted mode, then you also need to install additional applications which are used by Image Optimizer extension to optimize images of JPG, PNG and GIF file types.

12. **That's it! Enjoy!**

Installation of additional applications

Jpegoptim is used to optimize images of JP(E)G file type. Install it with the commands:
wget http://www.kokkonen.net/tjko/src/jpegoptim-1.4.4.tar.gz
tar -xvzf jpegoptim-1.4.4
cd jpegoptim-1.4.4
./configure && make && make install

Optipng is used to optimize images of PNG file type. Install it with the commands:
wget http://prdownloads.sourceforge.net/optipng/optipng-0.7.6.tar.gz
tar -xvzf optipng-0.7.6.tar.gz
cd optipng-0.7.6
./configure && make && make install

Gifsicle is used to optimize images of GIF file type. Install it with the commands:
wget https://www.lcdf.org/gifsicle/gifsicle-1.88.tar.gz
tar -xvzf gifsicle-1.88.tar.gz
cd gifsicle-1.88
./configure && make && make install

Installation/update of additional libraries may be required.

How to use custom settings?

If you'd like to use custom optimization options, it is required to create a file:

/app/code/Potato/ImageOptimization/etc/custom_setting.xml

And perform the following structure in it:

```xml
<!--?xml version="1.0" encoding="UTF-8" ?-->
<setting>
   <png>
      <path>{path to library on the server}</path>
      <options>{custom options}</options>
   </png>
   <jpeg>
      <path>{path to library on the server}</path>
      <options>{custom options}</options>
   </jpeg>
   <gif>
      <path>{path to library on the server}</path>
      <options>{custom options}</options>
   </gif>
</setting>
```

If the file is created without the structure, the extension will work with default settings.

[Jpegoptim usage manual](#)

[Optipng usage manual](#)

[Gifsicle usage manual](#)

FAQ

How does the image optimization work?

The extension optimizes images automatically via cron. Please make sure, cron is installed and set up properly on your store ([cron setup guide](#)). If you use **self-hosted** mode, gif, jpeg и png will be optimized if all optimization utilities are installed correctly. The Image Quality option allows specifying

needed quality rate for optimization in the settings. More detailed tips on the settings can be found in How to use custom settings article.

If you use **potato cloud service** mode, the files of gif, jpeg и png types will be optimized. The Image Quality option allows specifying needed quality rate for optimization in the settings. More detailed tips on the settings can be found in How to use custom settings article.

If the service is used, your task will be added to the service queue and get the Transferred to the service status and it may take some time for images to be optimized. You can view the status of your task on the Processed Images page.

Images can be optimized manually from the following directories and sub-directories:

- /pub/media/
- /app/code/
- copies from /pub/static will be optimized as well.

How much time will the optimization process take?

It depends on the quantity of images. The cronjob is running each 2 minutes and process 25 images per iteration, approximately 720 images per hour. E.g. if you have got 10000 images on your site, it will require roughly 14 hours for optimization to be completed.

Does Image Optimizer load the server?

You can see slight extra load on one of the processor cores. However, to avoid any possible issues on a live store, image optimization process can be handled on a staging site on a standalone server. Then you can replace all images on a live store with the optimized ones.

How can I check whether the extension is actually working?

Information about all processed images is stored into potato_image_optimization_image database table. Also, it can be seen in the Processed Images grid which is located at Magento Admin > System > Image Optimizer > Processed Images.

We recommend making a performance report before and after optimization of the following pages: home page, product page and category page. We recommend using GTMetrix free service for this purpose; as for Google PageSpeed service, please keep in mind that it recommends optimizing images with quality loss. The result can be checked if you compare the reports before and after optimization (Optimize Images parameter only). Please keep in mind that Image Optimizer Magento 2 extension optimizes only the Optimize Images indicator (and therefore overall metrics such as Total Page Size and Fully Loaded Time), it does not improve other report indicators.

Image optimization process does not start. What can I do?

We suppose this may happen because of the next reasons.

- Incorrect permissions of 'pub' and 'var' folders. You can set proper permissions using the commands:
- chmod -R 777 <path to Magento 2>/var
  chmod -R 777 <path to Magento 2>/pub
- Cron is not configured properly. Please have a look at the cron setup guide.
- Applications are not installed correctly. To check this run the following commands:

- `./optipng -v`
  `./jpegoptim --version`
  `./gifsicle --version`
- See "Installation of additional applications" section the reference.
- [exec](#) function is not allowed.
- Image Optimizer extension is outdated. The latest version of the extension can be found in customer account on our website.

If issues still persist, then please [contact us](#). We will do our best to solve any issues with Image Optimizer extension for Magento 2.