

Prestashop Google WebP Image Converter

Prestashop Google WebP image converter module helps to convert various types of image formats into WebP format. WebP images use both lossy & lossless compression methods to produce the best quality images with lesser size.

WebP is an image format that provides lossless & lossy compression for images. It is used to make richer & smaller images for making web pages faster.

According to [Google](#), WebP lossless images are [26% smaller](#) than PNGs and WebP lossy images are [25-34% smaller](#) than JPEG images. Lossless WebP compression applies already seen image fragments in order to exactly reconstruct new pixels. It can also use a local palette if it finds no interesting match.

To know more about compression techniques, read [WebP Compression Techniques in Detail](#).

Note: Prestashop Google WebP Image Converter module is compatible with PrestaShop version 8.x.x.

Features Of The Prestashop Google WebP Image Converter Module

The module is **multi shop compatible**.

Convert various types of images (**Product, Category, Brand, Supplier, Store, Carrier, CMS, Slider Images**) available on your store into webP format.

Convert Store logo of your shop to WebP format.

Ability to **Convert images into WebP via CRON**.

Option to regenerate WebP images.

It helps to reduce the size of an image.

View the conversion process of images on the configuration page.

A button to generate remaining images becomes available on the configuration page in case if the converter failed to convert some of the images.

It helps to reduce page size & thus loading time.

Upload cwebp binary for the proper conversion of the images via cwebp.

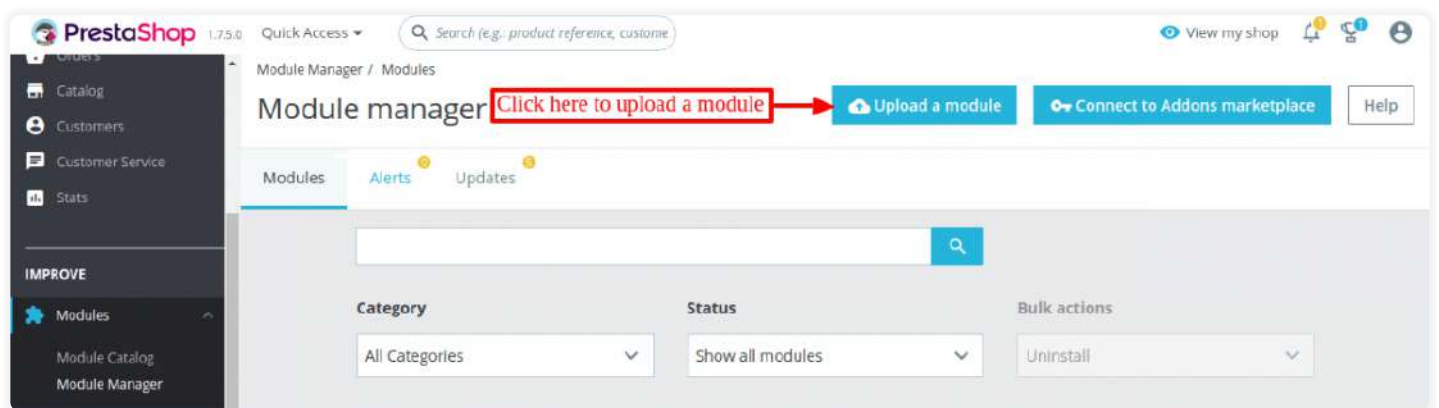
Faster WebP generation

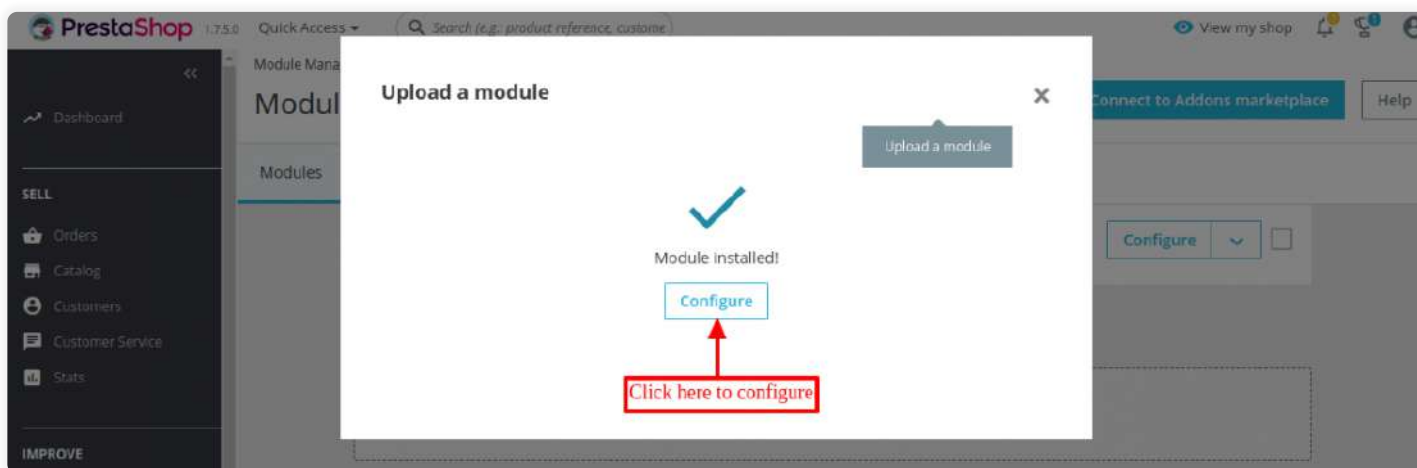
How To Install The Prestashop Google WebP Image Converter Module

Go to Module Manager in the Back office and click on 'upload a module'.

Now, Drag and drop the module file or select the file from the system.

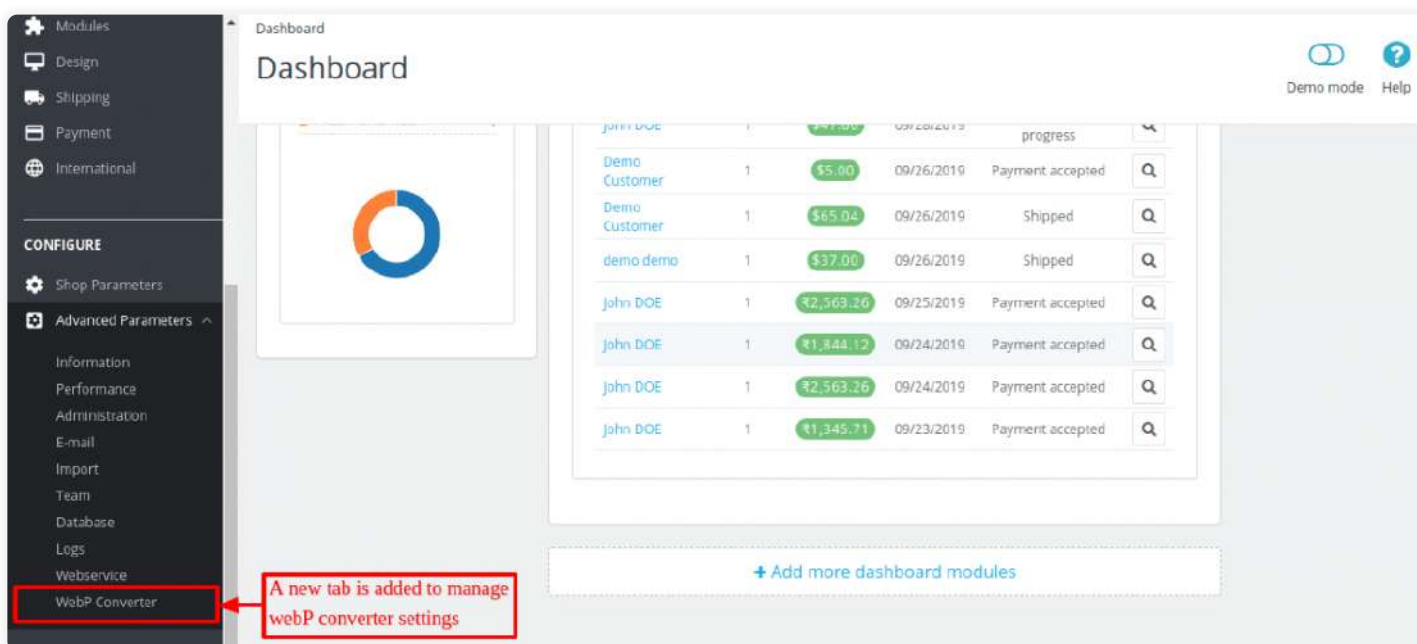
In this way, the module installation will be successful.





How To Configure The Prestashop Google WebP Image Converter Module

After the successful installation of module, a new tab to manage settings of the WebP is added on the dashboard.



Converter Binaries

For the functioning of the module, you have to download a **cwebp** binary for your operating system from the link given in the module. After that upload the downloaded file via the field provided in the settings.

Generate Image Settings

There are three other options too in the configuration of the module.

As you can see the first option only allows you to show or hide WebP images at front office.

The 2nd option allows you to convert & show the shop logo in WebP format.

In the 3rd option, select the type of images for which you want to generate WebP images.

Advanced Parameters / WebP Converter Help

WebP Converter

Converters binaries

Click here to download the file for your operating system

Please download cwebp binaries for your operating system [from here](#) and upload.
For linux operating system, please download all 'linux' specific file for fallback in case one fails.

* Upload binary Add File

Upload the downloaded file here

Click here to upload Upload

Generate Image

In order to use this module, you need to convert the images first

Default configuration is already set. You can update converter settings from below provided form.

Show WebP Images on front office ☐ No Enable to display WebP images for all the selected types at the store

Show shop logo in WebP format ☐ No Enable to convert and show shop logo image in WebP format

Generate WebP images

If you change/update default images then make sure to regenerate WebP Images again to reflect the changes.

☒ All Images 0.47
☒ Product Images 0.725
☒ Category Images 0.77
☐ Brand Images 0.7
☒ Supplier Images 0.71
☒ Store Images 0.75
☒ Slider Images 0.68
☒ Carrier Images 0.76
☒ CMS Images 0.78

Select the Images type for which WebP images will be generated

Tick the boxes for which you want to generate WebP images.

☐ Regenerate webp image for the image types Check this box if you want to regenerate WebP images

Check the box, if you want to regenerate webp image for the image types.

Click here to convert the images Convert Save

In the ‘converter options’, there are multiple advanced options that you can use for better conversion of images.

Converters: Select the conversion methods to use. cwebp is already provided with the module. To use other converters, Install them on your server first.

Converter Shuffle: If this option is enabled, the conversion of the image is faster. It’s because the conversion takes place with whichever converter is found first on the server.

Encoding: There are 3 types of encoding available with the module.

Lossy: Lossy compression method removes the unnoticeable data.

Lossless: Lossless compression helps to keep the unnoticeable data.

Auto: It will automatically select one of the encoding type from lossy & lossless.

CONVERTER OPTIONS

Converters

- ☐ cwebp <https://developers.google.com/speed/webp/docs/cwebp>
- ☐ vips <https://github.com/libvips/php-vips-ext>
- ☐ imagick <https://github.com/Imagick/Imagick>
- ☐ gmagick <https://www.php.net/manual/en/book.gmagick.php>
- ☐ imagemagick <https://imagemagick.org/index.php>
- ☐ graphicsmagick <http://www.graphicsmagick.org/>
- ☐ wpc <https://github.com/rosell-dk/webp-convert-cloud-service/>
- ☐ ewww <https://ewww.io/>
- ☐ gd <https://www.php.net/manual/en/book.image.php>

It is necessary to install the converters on the server first in order to use them. Otherwise, CwebP will be used each time to convert the images. it is advised to not use any other conversion method unless that converter is installed on your server.

Converter Shuffle **Enable shuffling of converters to speed up the conversion process**

If this is enabled then the image will be converted into webP format by shuffling the converters in the stack, it will be helpful to balance converter load on your server and may increase the speed of conversion.

Encoding

- ☐ Lossy
- ☐ LossLess
- ☒ Auto

Auto will be recommended in encoding techniques, Lossy Compression removes non-useful part of the image(decreases more size with low-quality grades) that is generally undetectable and lossless compression reconstructs the entire image(decrease less size with high-quality grades).

Near Lossless **Select the level of near lossless image pre-processing to adjust pixel values to help compressibility**

This is the type of lossy compression technique in which image pixel values are adjusted to help compressibility but has minimal impact on visual quality. Depending on the selected range, it automatically triggers lossless compression mode.

Quality **Select the quality for RGB compression of the image**

By setting quality you can adjust the RGB(Red, Green, Blue) channels compression of the image. 80 is recommended.

Max Quality **Select the quality for max RGB compression of the image**

Other advanced converter options are

Automatic Filter: It enhances the quality of the image.

Methods: Select '6' to get the best image quality & fast conversion.

Automatic Filter

YES

NO

Enable to enhance the quality by optimizing the filtering strength

If enabled then it will spend additional time optimizing the filtering strength to reach a well-balanced quality, it may take about 5-10 times longer to do a conversion. Supported By: cwebp, vips, imagick, gmagick and imagemagick

Low Memory

YES

NO

Enable to reduce memory usage of lossy encoding by increasing the encoding time

If you have less server resources specifically memory then use this option

Methods

0

1

2

3

4

5

6 (Best)

This parameter controls the trade off between encoding speed and the compressed file size and quality

If you want your conversion to be fast & quick on the cost of image quality then choose 0. Otherwise, choose 6 to get the best quality of an image with little more time invested in conversion. Moderate Value is recommended.

Meta Data

All

none (recommended)

EXIF (EXchangable Image File)

ICC (International Color Consortium)

XMP (Extensible Metadata Platform)

Meta data is the information about the converted image that will be embedded into the converted file of image It includes details relevant to the image itself as well as information about its production. None will be recommended as only cwebp supports all values. gd will always remove all metadata. The rest can either strip all or keep all

Enter ewww API key to use the converter

EWWWW API KEY

EWwww Image Optimizer is a very cheap cloud service for optimizing images. After purchasing an API key, add the converter in the extra-converters option, with key set to the key. The EWWW api does not support the lossless option, but it does automatically convert PNG losslessly. Metadata is either all or none. If you have set it to something else than one of these, all metadata will be preserved.

Use CwebP via commands too

CWEBP Command Line Options

Read more about all the available parameters here: https://developers.google.com/speed/webp/docs/cwebp#additional_options

CWEBP Try common paths

YES

NO

Enable to take CwebP path from the file installed in your system

If set, the converter will try to look for cwebp in locations such as /usr/bin/cwebp.

Use Nice Command

YES

NO

Enable to execute the binary with low priority in order to save system resources

Supported by: cwebp, graphicsmagick, imagemagick. This option only applies to converters which are using exec() to execute a binary directly on the host. If use-nice is set, it will be examined if the nice command is available on the host. If it is, the binary is executed using nice. This assigns low priority to the process and will save system resources - but result in slower conversion

vips smart subsample

YES

NO

Enable to enhance quality in case of vips converter

This feature seems not to be part of libwebp but intrinsic to vips. According to the vips docs, it enables high quality chroma subsampling <https://cupitt.github.io/libvips/API/current/VipsForeignSave.html#vips-webpsave>

Save

Image Converter Options

The module also allows you to configure the converter options specifically for JPEG & PNG images.

JPEG Converter Options

IMAGE SPECIFIC CONVERTER OPTIONS



To have options depending on the image type of the source, you can use the png and jpeg keys

JPEG Specific converter options

YES

NO

Enable to use converter options specifically for JPEG image format

Encoding

☒ Lossy

☐ LossLess

☐ Auto

Select the encoding for the image compression

Quality

80

Select the quality for RGB compression of the image

Supported By: cwebp, vips, imagick, gmagick, imagemagick and graphicsmagick

Max Quality

70

Select the quality for max RGB compression of the image

Supported By: cwebp, ewww, gd, gmagick, graphicsmagick, imagick, imagemagick, vips

Skip Converter



cwebp <https://developers.google.com/speed/webp/docs/cwebp>

☐ vips <https://github.com/libvips/php-vips-ext>

☐ imagick <https://github.com/Imagick/imagick>

☐ gmagick <https://www.php.net/manual/en/book.gmagick.php>

☐ imagemagick <https://imagemagick.org/index.php>

☐ graphicsmagick <http://www.graphicsmagick.org/>

☐ wpc <https://github.com/rosell-dk/webp-convert-cloud-service/>

☐ ewww <https://ewww.io/>

☐ gd <https://www.php.net/manual/en/book.image.php>

Select the converter to skip conversion via those converters. Rest will be used

PNG Specific converter options

YES

NO



Save

PNG Converter Options

IMAGE SPECIFIC CONVERTER OPTIONS

? To have options depending on the image type of the source, you can use the png and jpeg keys

JPEG Specific converter options ☐ YES ☒ NO

PNG Specific converter options ☒ YES ☐ NO Enable to use converter options specifically for JPEG image format

Encoding ☒ Lossy ☐ LossLess ☐ Auto Select the encoding for the image compression

Quality Select the quality for RGB compression of the image


Supported By: cwebp, vips, imagick, gmagick, imagemagick and graphicsmagick

Near Lossless Select the quality for max RGB compression of the image

This option adjusts pixel values to help compressibility, but has minimal impact on the visual quality. It triggers lossless compression mode automatically. The range is 0 (maximum preprocessing) to 100 (no preprocessing)

Skip Converter

- ☐ cwebp <https://developers.google.com/speed/webp/docs/cwebp>
- ☐ vips <https://github.com/libvips/php-vips-ext>
- ☐ Imagick <https://github.com/Imagick/imagick>
- ☐ gmagick <https://www.php.net/manual/en/book.gmagick.php>
- ☐ imagemagick <https://imagemagick.org/index.php>
- ☐ graphicsmagick <http://www.graphicsmagick.org/>
- ☐ wpc <https://github.com/rosell-dk/webp-convert-cloud-service/>
- ☐ ewww <https://ewww.io/>
- ☒ gd <https://www.php.net/manual/en/book.image.php> Select the converter to skip conversion via those converters. Rest will be used.

 Save

Cron Settings

For converting images into WebP via cron, admin has to set CRON job for everyday. Set following URL to CRON tab.

```
0 0 * * * curl https://www.sitename.com/module/wkwebp/wkwebpcron?token=your_token
```

You have to replace the string “www.sitename.com” with your site.

Cron

? First of all, make sure the curl library is installed on your server to execute your cron tasks.

? To generate webp images, please insert the following line in your cron tasks manager for everyday:

```
0 0 * * * curl https://
```

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WebP Images

The following image is just an illustration to show the conversion of an image into WebP format.

However, there is not much noticeable difference between the two images. But, these two images can vary greatly in size.



So, this was all about Prestashop Google WebP Image Converter Module. I hope this document will help you in checking the functionality of the module in a better way. Also, let us know about your views in the comments.

Note

As we know that Safari doesn't support WebP images. Hence, it used to show a broken image after the conversion. Now, instead of a broken image, a normal image will display.

Current Product Version - 4.1.1

Supported Framework Version - 8.x.x, 1.7.x.x