

# Site Speed Extensions

- [Jquery Asynchronous Image Loader \(JAIL\)](#)
- [Magento Image Optimizer](#)

# Jquery Asynchronous Image Loader (JAIL)

## Magento Jquery Asynchronous Image Loader Extension Installation/Set-up Guide

- **Disable Compilation Mode:** To check that this is disabled, go to System->Tools->Compilation. If the compiler status is 'Disabled', you are ready to go. If not, simply click the 'Disable' button on the right-hand side of the screen.
- **Upload Package:** 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.
- **Clear Caches:** This can be done from the admin console by navigating to the cache management page (System->Cache Management), selecting all caches, clicking 'refresh' from the drop-down menu, and submitting the change. Log out and login back in Admin.
- **Admin Configuration:** Go to Admin ->System->Configuration->Scommerce Configuration -> Lazy Load Images -> General
  - **Enable :** Enable / Disable Module
  - **License key :** Enter License key provided by Scommerce Mage

**Theme changes:** If you are not using your custom theme then this module should work out of the box. But if you are using custom theme then follow the following steps -:

- **Check if you have the following file in your custom theme folder**
  - `/app/design/frontend/default/<custom>/template/category/list.phtml`

**If the above file does exist in your custom theme then copy the differences from the following file -:**

- `/app/design/frontend/default/base/template/category/list.phtml`
- **Clear Caches:** Once you are done with everything above, clear the cache to get the changes reflect on your website.

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](mailto:support@scommerce-mage.com)**.

# Magento Image Optimizer

## Installation and User Guide for Magento 1 Image Optimizer

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## Installation

- **Disable Compilation Mode:** To check that this is disabled, go to **System >Tools > Compilation**. If the compiler status is 'Disabled', you are ready to go. If not, simply click the 'Disable' button on the right hand side of the screen.
- **Upload Package:** 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.
- **Clear Caches:** This can be done from the admin console by navigating to the cache management page (**System > Cache Management**), selecting all caches, clicking 'refresh' from the drop-down menu, and submitting the change.

## Configuration Settings for Optimize Images

Go to **Admin > Stores > Configuration > Scommerce Configuration > Optimize Images**

## 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@scommerce-mage.com](mailto:support@scommerce-mage.com).
- **Compress Product Images via cron** - Enable Compression for Product Images via cron. This will compress all your existing product images and new images every 5 mins. We highly recommend leaving this on all the time because this will optimize and compress all the products images in the background.
- **Compress Cached Product Images** - This feature will further compress cached product images generated by Magento. We would recommend leaving this setting turned off especially when you clear your cached images frequently and you have more than 5 additional images on the product page. These cached images will be compressed and optimised as part of cron job.
- **Compress New Product Images** - Enable Compression for new product images as soon as they are uploaded via Magento admin. We recommend this to be enabled because all the new product images will be compressed straight away.
- **Compress CMS Pages** - Enable compression for CMS Images which you upload from Wysiwyg editor within Magento admin.
- **Image Compression Provider** - Select the compression provider from the list. These are three providers in the drop down: Resmush, ImageOptim and Kraken IO. Resmush is free and for the other two subscribe at their websites.
- **Provider API URL** - Provider API URL **Smush it** - <http://api.resmush.it/ws.php?img=>  
**Imageoptim** - <http://im2.io/{{username}}/full/> **Kraken** - <https://api.kraken.io/v1/url>
- **API Key** - This will be required for certain providers like Kraken.io
- **API Secret Key** - This will be required for certain providers like Kraken.io
- **Thumbnail images size** - Provide thumbnail sizes for your product images in a comma separated format for example **50x,56x56,75x**. If you are not sure you can either check sizes under `\media\cache\1\small_image folder` or just simply save the configuration.
- **Small image sizes** - Provide small images for your product images in a comma separated format for example **135x,120x120,100x**. If you are not sure then you can either check sizes under `\media/cache/1/image folder` or just simply save the configuration.
- **Image sizes** - Provide image sizes for your product images in a comma separated format for example **900x,988x988,750x**. If you are not sure then you can either check sizes under `\media\cache\1\image folder` or just simply save the configuration.
- **Override Cache Folder Sizes** - This allows you to override default cache folder i.e. `9df78eab33525d08d6e5fb8d27136e95` either completely or by size. To replace completely just add the new cache folder name for example `040ec09b1e35df139433887a97daa66f` and for size it will be delimited for example `135x|040ec09b1e35df139433887a97daa66f;`  
`125x125|17f82f742ffe127f42dca9de82fb58b1`
- **Backup Images** - Enable this feature to backup original images before compressing original file.
- **Debugging** - This will create `optimizelImages.log` file under `var/log` folder.

## General

Enabled

Yes ▼

License Key

OpNEblr1Isn.U

Compress Product Images via cron

No ▼

▲ Enable Compression for Product Images via cron. This will compress all your existing product images and new images every 5 mins. We highly recommend to leave this on all the time because this will optimize and compress all the products images in the background

Compress Cached Product Images

No ▼

▲ This feature will further compress cached product images generated by Magento. **We would recommend to leave this setting turned off especially when you clear your cached images frequently and you have more than 5 additional images on the product page.** These cached images will be compressed and optimised as part of cron job anyways.

Compress New Product Images

No ▼

▲ Enable Compression for new product images as soon as they are uploaded via Magento admin. We recommend this to be enabled because all the new product images will be compressed straight away

Compress CMS Images

Yes ▼

▲ Enable Compression for CMS Images which you upload from Wysiwyg editor within Magento admin

Image Compression Provider

Resmush It - Free ▼

Provider API URL

http://api.resmush.it/ws.php?img=

▲ Provider API URL  
smush it - <http://api.resmush.it/ws.php?img=>  
imageoptim - <https://im2.io/{{username}}/full/>  
kraken.io - <https://api.kraken.io/v1/url>

API Key

▲ This will be required for certain providers like Kraken.io

API Secret Key

▲ This will be required for certain providers like Kraken.io

Thumbnail image sizes

▲ Provide thumbnail sizes for your product images in a comma separated format for example **50x,56x56,75x**. If you are not sure then you can either check sizes under **media\cache\1\thumbnail folder** or just simply **save the configuration**

Small image sizes

▲ Provide small image sizes for your product images in a comma separated format for example **135x,120x120,100x**. If you are not sure then you can either check sizes under **media\cache\1\small\_image folder** or just simply **save the configuration**

Image sizes

▲ Provide image sizes for your product images in a comma separated format for example **900x,988x988,750x**. If you are not sure then you can either check sizes under **media\cache\1\image folder** or just simply **save the configuration**

Override Cache Folder sizes

▲ This allows you to override default cache folder i.e. **9df78eab33525d08d6e5fb8d27136e95** either completely or by size.  
To replace completely just add the new cache folder name for example **040ec09b1e35df139433887a97daa66f** and for size it will be delimited for example **135x|040ec09b1e35df139433887a97daa66f;125x125|17f**

Backup Images

▲ Enable this feature to backup original images before compressing original file

Debugging

▲ This will create optimizelImages.log file under var/log folder

## Compress/Optimize Product Images

You can compress product images by enabling module from Admin > Stores > Configuration > Optimize Images > Enabled - "Yes" > Compress Images while uploading - Select "Product".

Plaid Cotton Shirt-Royal Blue-L (Clothing) Back Reset Delete Duplicate Save Save and Continue Edit

### Images

Image type and information need to be specified for each store view.

Image	Label	Sort Order	Base Image [STORE VIEW]	Small Image [STORE VIEW]	Thumbnail [STORE VIEW]
No image			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	<input type="text"/>	1	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>

Maximum width and height dimension for upload image is 5000.

Browse Files... Upload Files

## Compress/Optimize Category Images

You can compress category images by enabling module from Admin > Stores > Configuration > Optimize Images > Enabled - "Yes" > Select "Category".

Men (ID: 5) Reset Delete Category Save Category

General Information | General | Display Settings | Custom Design | Category Products

### General Information

Name \*  [STORE VIEW]

Is Active \*  [STORE VIEW]

URL Key  [STORE VIEW]  
 Create Permanent Redirect for old URL

Description  [STORE VIEW]

WYSIWYG Editor

Thumbnail Image  No file chosen [STORE VIEW]

Image  No file chosen  Delete Image [STORE VIEW]

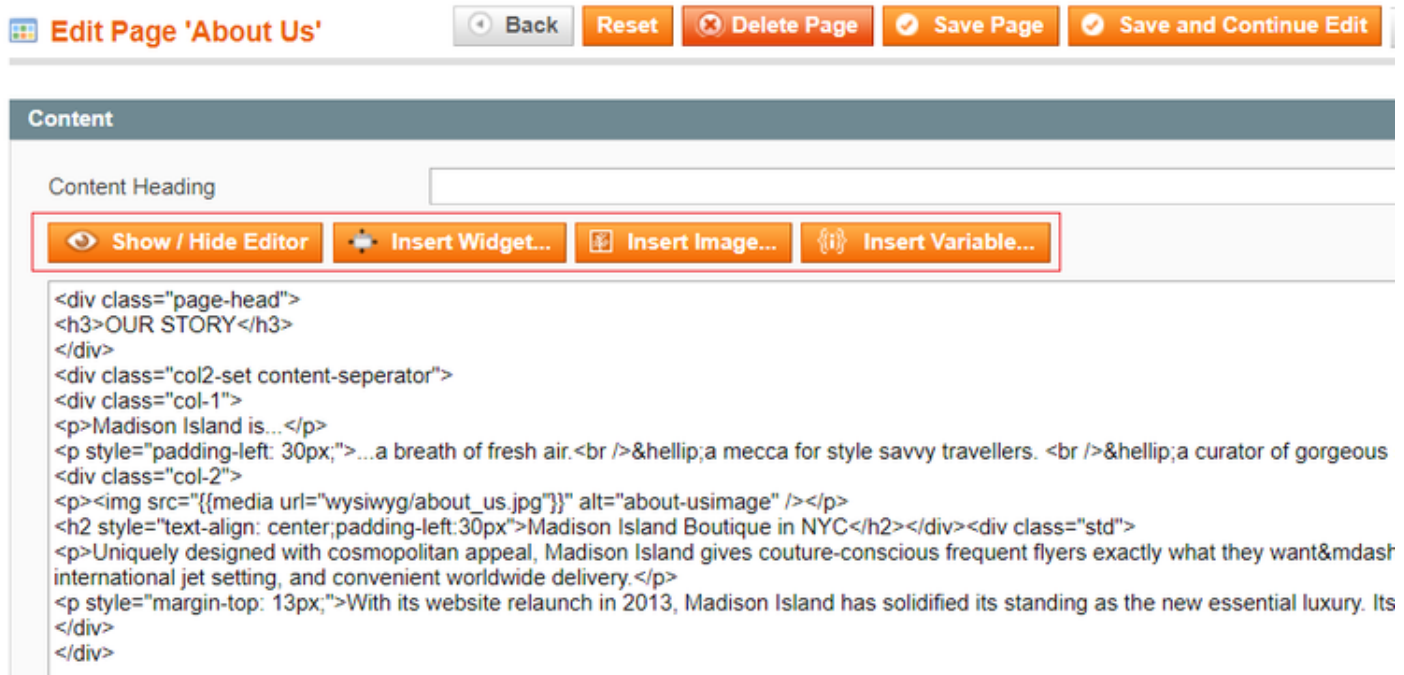
Page Title  [STORE VIEW]

Meta Keywords  [STORE VIEW]

Filename	Filesize	Filetype	Last modified
..			
optimizethis2.jpg	42,999	JPG File	24-09-2024 14:40:32
optimizethis2.jpg_original	102,849	JPG_ORIGI...	24-09-2024 14:40:31
9KBdownload.png	2,490	PNG File	24-09-2024 14:37:21
9KBdownload.png_original	6,485	PNG_ORIGI...	24-09-2024 14:37:20

# Compress/Optimize CMS Images

You can compress CMS images by enabling module from Admin > Stores > Configuration > Optimize Images > Enabled - "Yes" > Select "CMS".

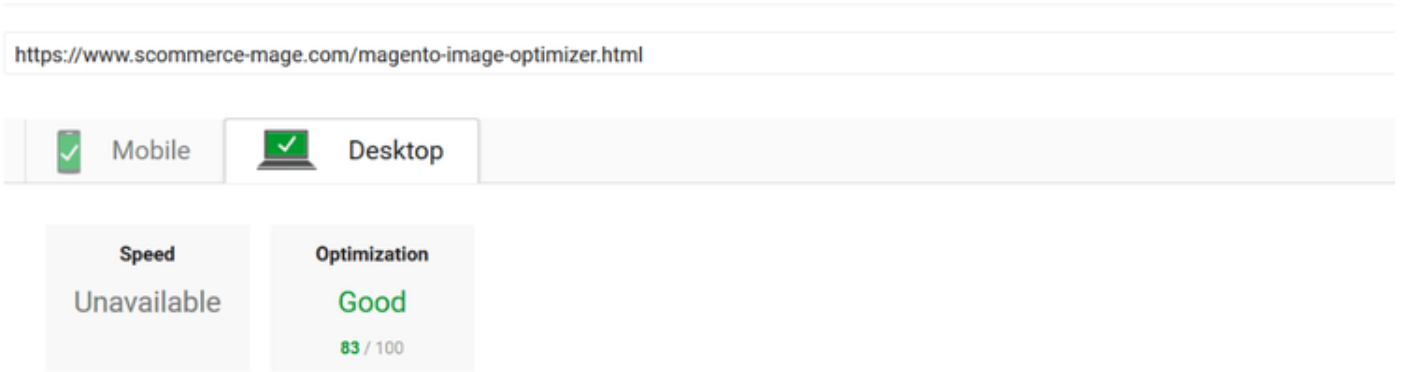


The screenshot shows the Magento CMS editor interface for the 'About Us' page. At the top, there are navigation buttons: 'Back', 'Reset', 'Delete Page', 'Save Page', and 'Save and Continue Edit'. Below these is a 'Content' section with a 'Content Heading' field. A toolbar contains buttons for 'Show / Hide Editor', 'Insert Widget...', 'Insert Image...', and 'Insert Variable...'. The main content area displays HTML code for the page, including a heading 'OUR STORY', a paragraph about Madison Island, an image placeholder, and a heading 'Madison Island Boutique in NYC'. The code is as follows:

```
<div class="page-head">
<h3>OUR STORY</h3>
</div>
<div class="col2-set content-seperator">
<div class="col-1">
<p>Madison Island is...</p>
<p style="padding-left: 30px;">...a breath of fresh air.<br />&hellip;a mecca for style savvy travellers. <br />&hellip;a curator of gorgeous
<div class="col-2">
<p></p>
<h2 style="text-align: center;padding-left:30px">Madison Island Boutique in NYC</h2></div><div class="std">
<p>Uniquely designed with cosmopolitan appeal, Madison Island gives couture-conscious frequent flyers exactly what they want&mdash;
international jet setting, and convenient worldwide delivery.</p>
<p style="margin-top: 13px;">With its website relaunch in 2013, Madison Island has solidified its standing as the new essential luxury. Its
</div>
</div>
```

# Google Page Speed Test Result for Desktop

## PageSpeed Insights



The screenshot shows the Google PageSpeed Insights results for the desktop version of the page. The URL is https://www.scommerce-mage.com/magento-image-optimizer.html. The test results are as follows:

Device	Speed	Optimization
Mobile	Unavailable	
Desktop		Good 83 / 100

Data about the real-world performance of this page was **unavailable**. PageSpeed Insights was still able to analyze this page to find potential optimizations. Applying these optimizations may improve the speed of this page. Please investigate the recommendations below. [Learn more](#).

### Page Stats

PSI estimates this page requires 5 additional round trips to load render blocking resources and 1.2 MB to fully render. The median page requires 4 render blocking round trips and 1.5 MB. Fewer round trips and bytes results in faster pages.

# Google Page Speed Test Result for Mobile

# PageSpeed Insights

https://www.scommerce-mage.com/magento-image-optimizer.html



Mobile



Desktop

Speed

Unavailable

Optimization

Good

80 / 100

Data about the real-world performance of this page was [unavailable](#). PageSpeed Insights was still able to analyze this page to find potential optimizations. Applying these optimizations may improve the speed of this page. Please investigate the recommendations below. [Learn more](#).

## Page Stats

PSI estimates this page requires 5 additional round trips to load render blocking resources and 1.2 MB to fully render. The median page requires 4 render blocking round trips and 1.2 MB. Fewer round trips and bytes results in faster pages.

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](mailto:support@scommerce-mage.com).