

# Speed Optimization V4.0.2

---

Webstore optimization is very important for increasing the performance of E-commerce websites. That's why we have integrated speed and performance optimization for Magento 2.

The main purpose behind optimizing the store is to provide a better user experience. Especially if you are using Magento 2 platform for your website.

Since Magento is not a lightweight platform. So, without proper optimization of the website, it will be a headache for customers to use it because of the low loading speed.

## Features

The admin can enable image optimization features with the help of this extension.

The admin can select the image compression type i.e .webp or Jpeg. The selected type will result in the conversion of images into that selected file type from its original type

.webp file format will improve product and category page performance by loading the images at a faster rate.

Compressed Image Quality functionality is available.

The admin can set Encoding Type.

The admin can enter a comma-separated list of responsive pixels.

Defer loading functionality is available in this module.

The extension features an infinite scroller option for products available on category pages on the website. Thus helping in loading all the products of a category to be available on a single page.

The extension also features an image lazy loader feature which basically helps in loading the category pages faster.

The admin now can cache all the public pages of his site using cache warm-up feature

In order to convert mass images available on CMS pages of the website then for that, the admin can easily by the help of terminal commands convert the images to .webP or to Jpeg file format.

Makes website performance and rating better.

This module works well with other caching options in Magento like varnish and Redis.

## **Module Configuration**

After installing the module, The admin can configure the module by navigating through **Store> Configuration> Store Optimization Settings**.

---

Scope: Default Config ? Save Config

**WEBKUL** ^

Store Optimization Settings

Demo Management

**GENERAL** v

CATALOG v

SECURITY v

CUSTOMERS v

SALES v

YOTPO v

DOTDIGITAL v

SERVICES v

### Image Optimization Settings ⊞

**Enabled Image Optimization** [global]

**Compression Type** [global]

choose between webp and jpeg compression to compress images so that page size and page load times can be improved. Note webp is not supported on safari yet

**Enter Compressed Image Quality** [global]

determine the image quality after compression, image quality should be a number from 40 to 100

**Encoding Type** [global]

auto checks both lossy and lossless and choose the smallest

---

### Defer Load Js Settings ⊞

**Enable Defer Loading** [global]

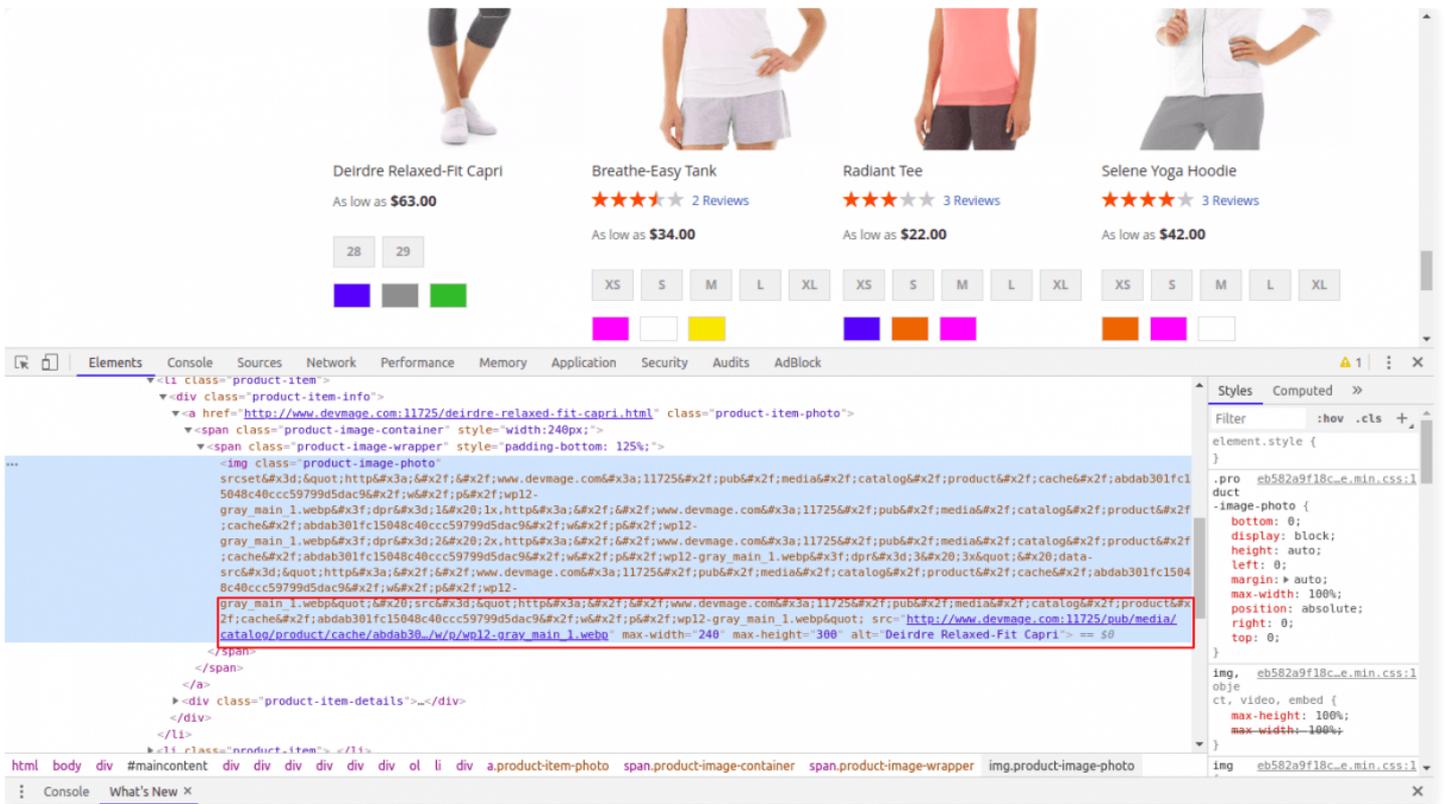
Enabling this will load your blocking js code in the bottom of the page so that page content can load without any blocking

# Image Optimization Settings

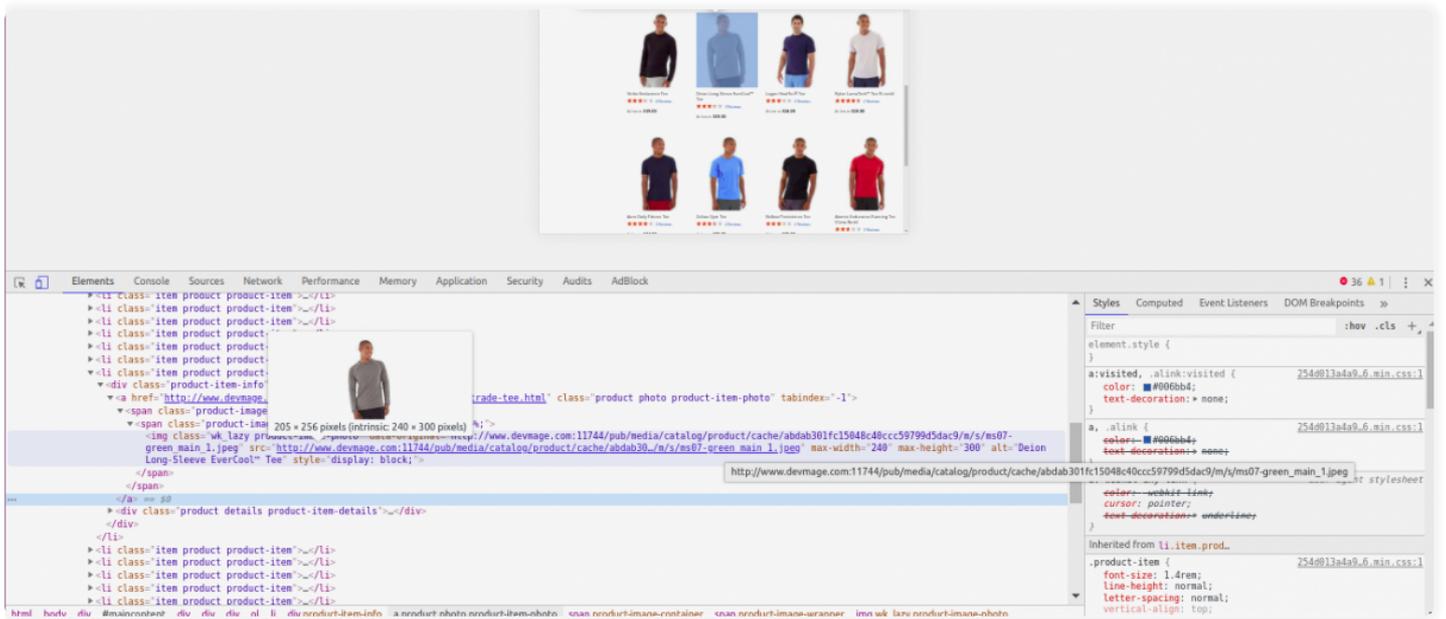
Under image optimization settings the admin can do the following:

**Enable Image Optimization:** Select “**Yes**” to enable image optimization extension.

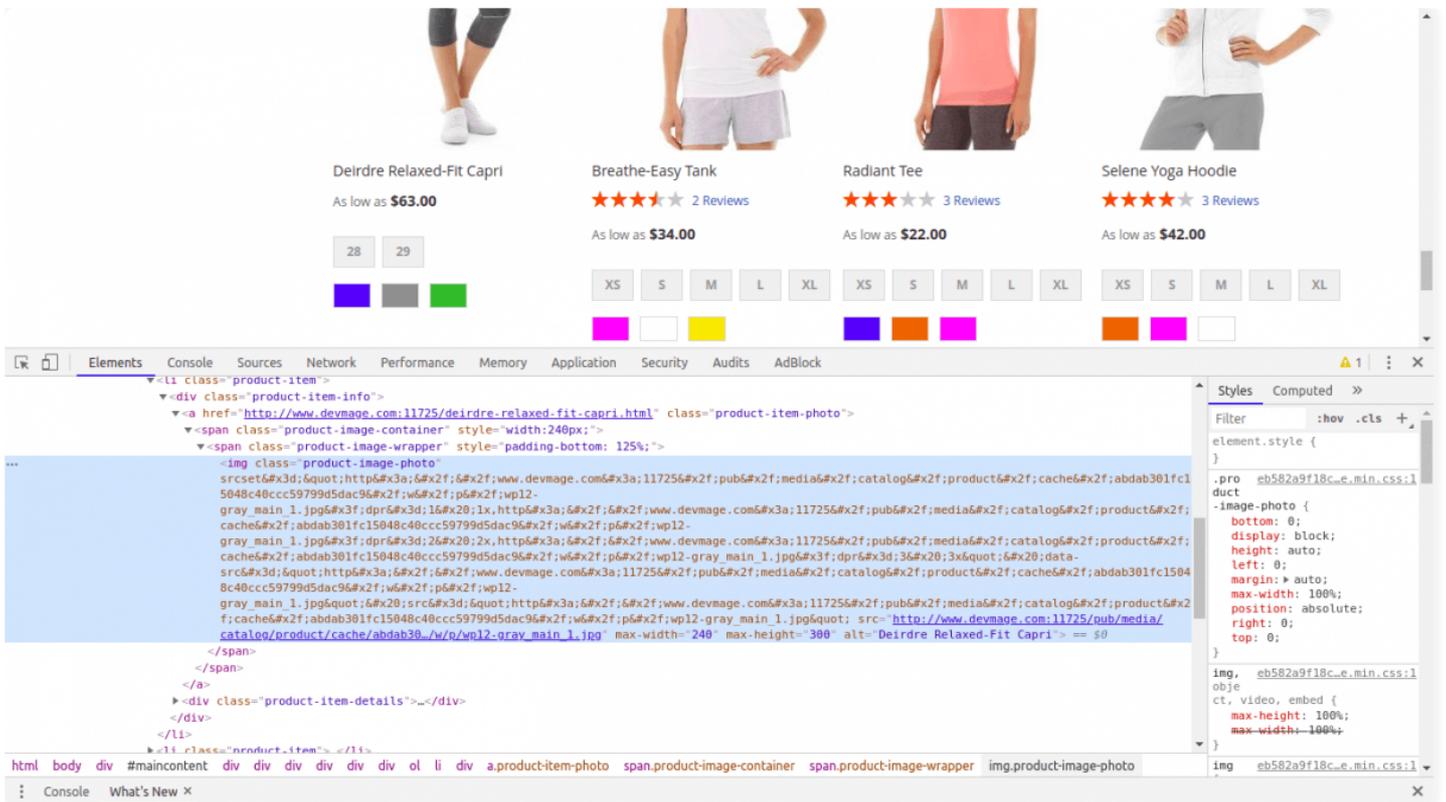
**Compression Type:** The admin can select the compression type among WebP & JPEG which automatically convert the file type of the image to the selected compression type.



Similarly, if you select the option to “Jpeg” then the file will get changed to Jpeg.



Similarly, if you select ‘No’ then the file name will remained to the original file type.

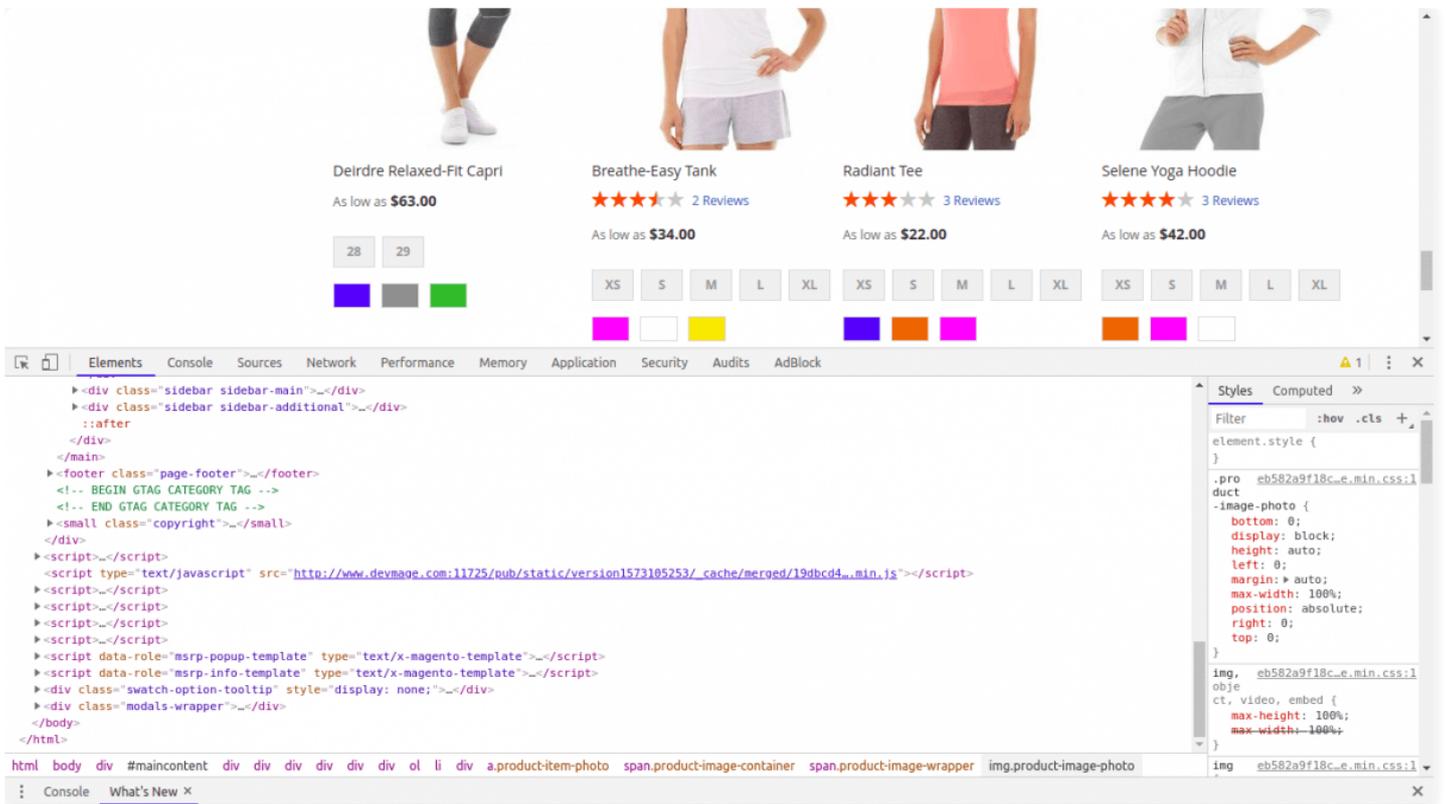


**Enter Compressed Image Quality:** Here, the admin can determine the image quality after compression, image quality should be a number from 40 to 100.

**Encoding Type:** The admin can auto checks both lossy and lossless and choose the smallest.

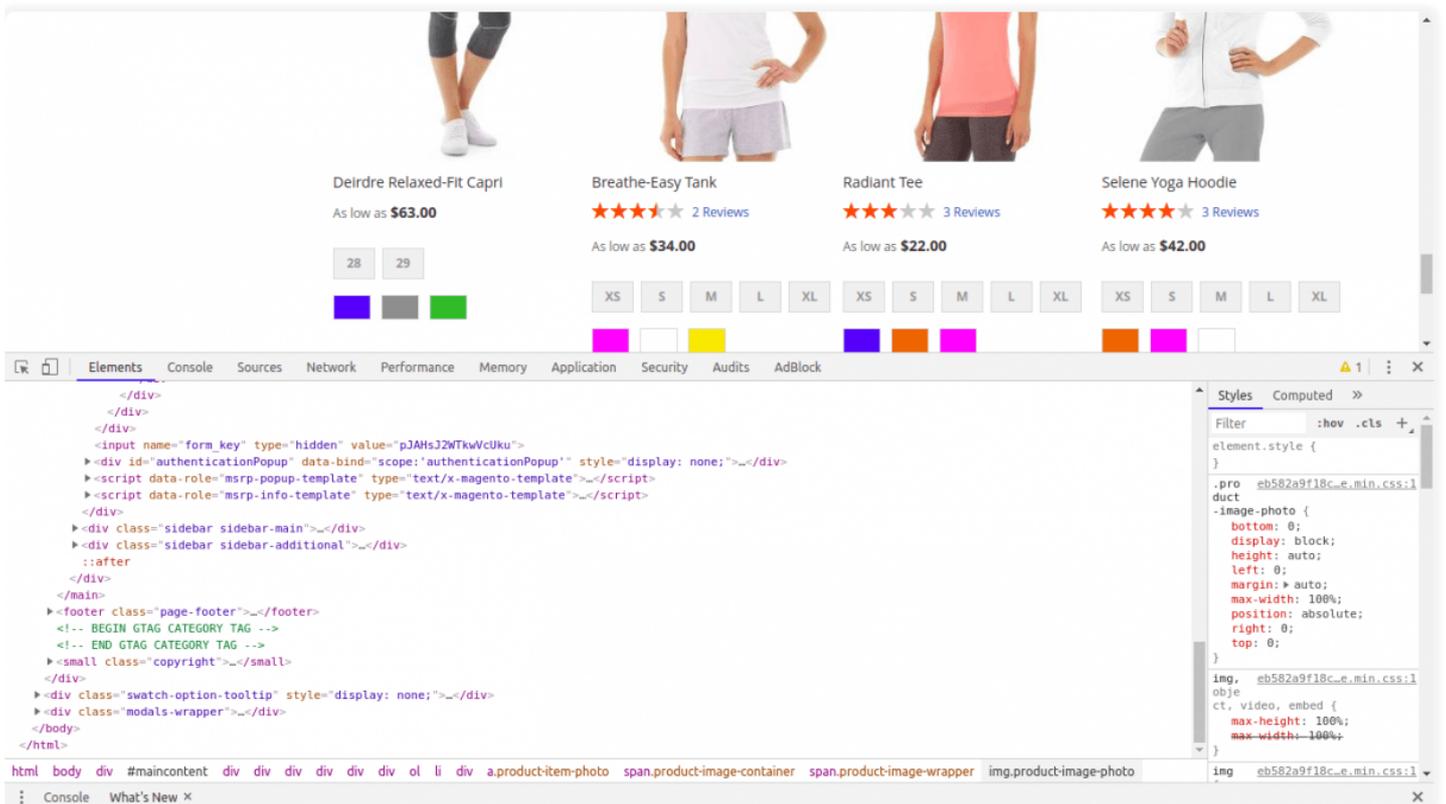
## Defer Load JS Settings

**Note:** Defer loading means loading page content before javascript. It will increase performance.

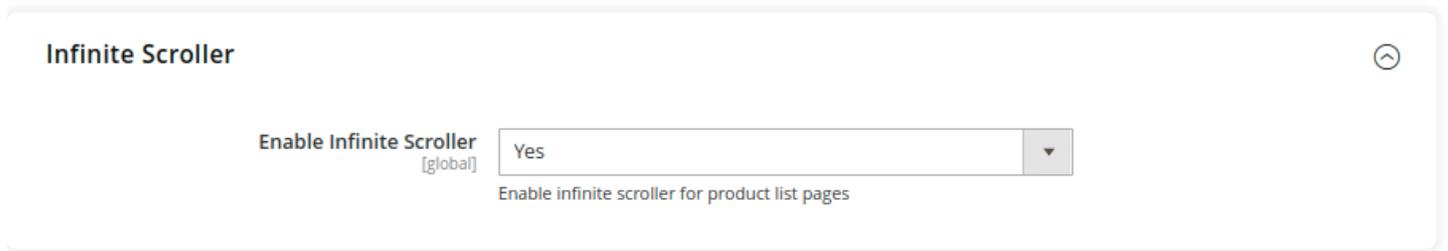


**Enable Defer Loading:** If you select ‘Yes’ then the page content will load before running any external script and this will increase the performance.

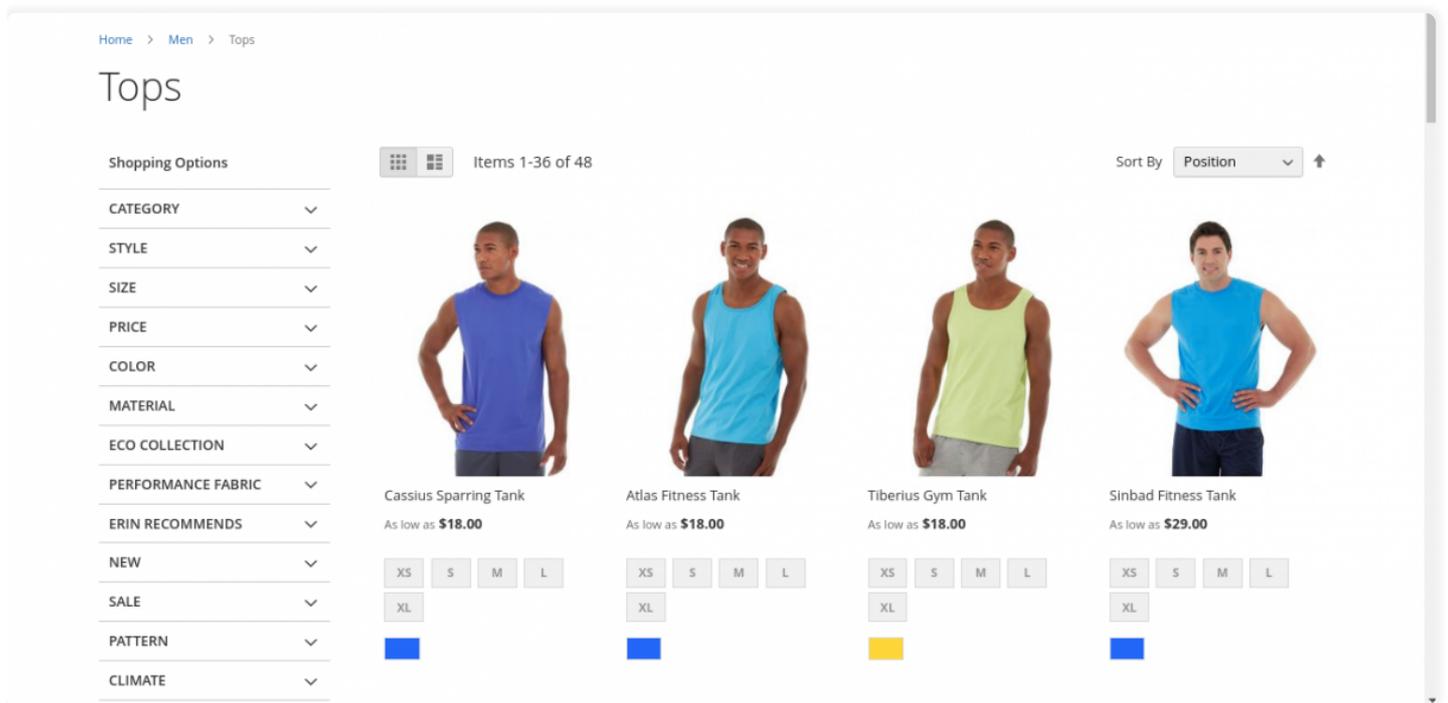
If you select ‘No’ then the scripts will be included and because of that, the performance will get decreased.



# Infinite Scroller



The admin can enable the infinite scroller option by selecting “Yes”. This will help in showcasing all products on a single page available in a category.



If the option is selected as “No” then, in this case, the products on the category page will be visible to customers in multiple pages not on a single page.



Savvy Shoulder Tote

★★★★☆ 2 Reviews

\$24.00 Regular Price \$32.00



Compete Track Tote

★★★★☆ 2 Reviews

\$32.00



Voyage Yoga Bag

★★★★☆ 3 Reviews

\$32.00



Impulse Duffel

★★★★☆ 3 Reviews

\$74.00



Fusion Backpack

★★★★☆ 3 Reviews

\$59.00



Rival Field Messenger

★★★★☆ 2 Reviews

\$45.00



Wayfarer Messenger Bag

★★★★☆ 3 Reviews

\$45.00



Crown Summit Backpack

★★★★☆ 3 Reviews

\$38.00

1 2 >

Show 12 per page

## Image Lazy Loader

Image Lazy Loader

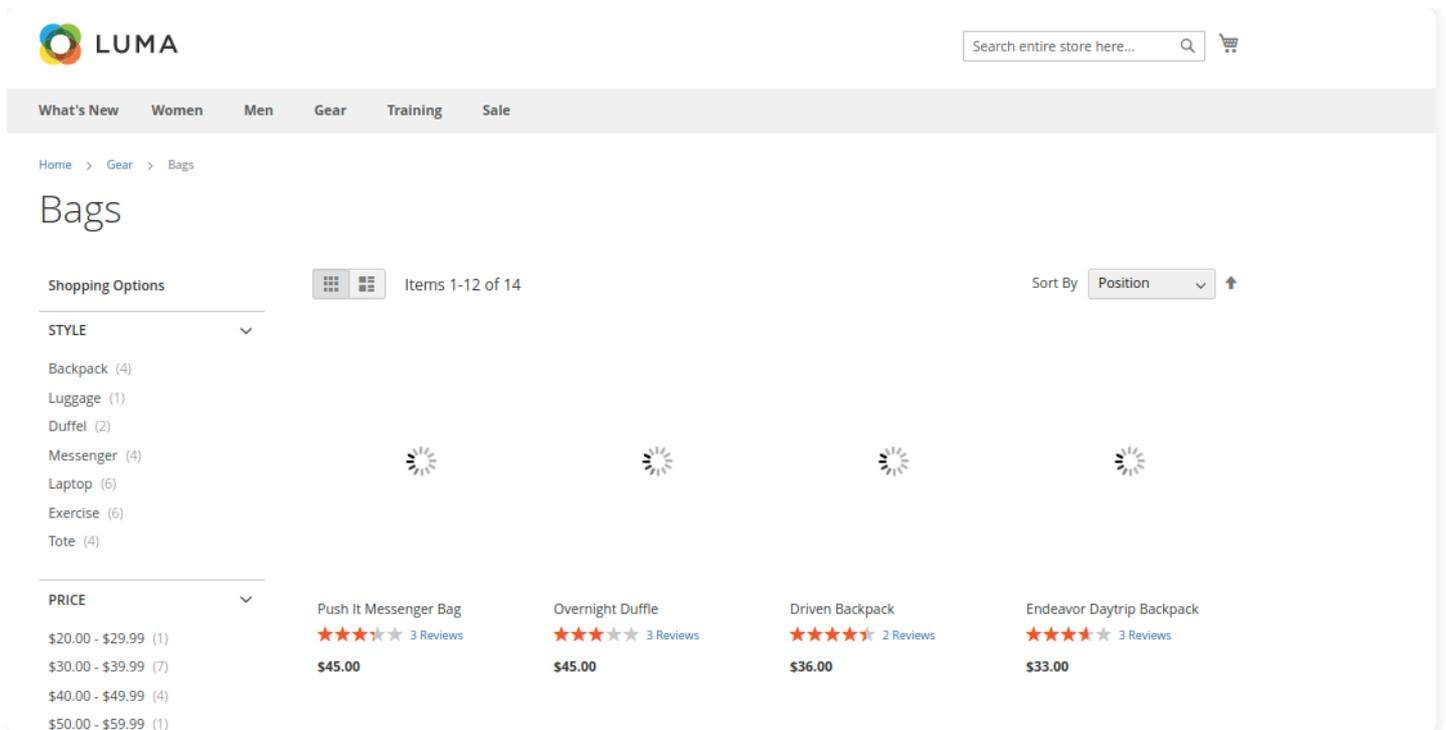
Enable Image Lazy Load

[global]

Yes

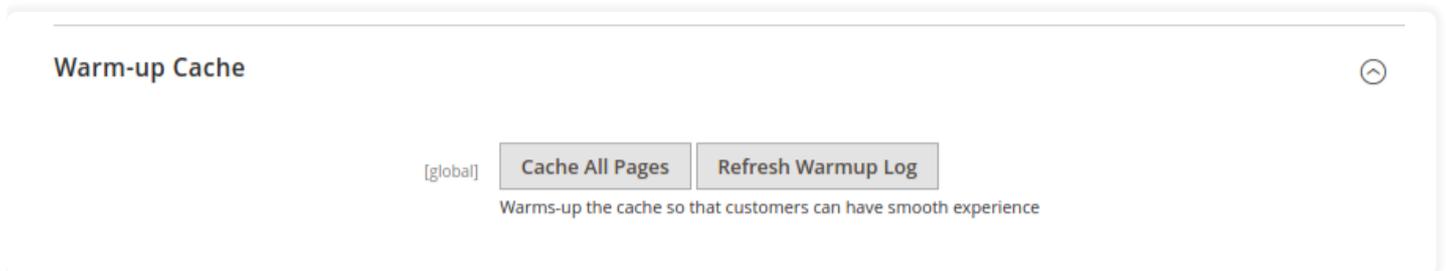
Enables image lazy loading on list pages

The admin needs to select “Yes” to enable the image lazy loader feature which basically helps in loading the category page and product page faster by showcasing the content on pages first after that their images.



## Warm-Up Cache

Here, the admin can warm-up the cache so that customers can have a smooth experience.



## Mass Convert Images To WebP Or JPEG

Using the command-line tool, the store administrator can convert the multiple numbers of image files to WebP or JPEG formats. This is useful for compressing a large number of different images quickly.

```
johnlewis95@johnlewis95:~/www/html/m4
```

```
johnlewis95@johnlewis95:~/www/html/m4$ php bin/magento  
converted image: /home/users/johnlewis95/Desktop/image  
johnlewis95@johnlewis95:~/www/html/m4$
```

```
~/www/html/m4$ php bin/magento image:  
Compress jpeg -p"/home/users/peter01/  
Desktop/images"
```

Thus, that's all about **Speed and Performance Optimization Extension**. For any further queries and suggestions, please raise a ticket at [HelpDesk Support](#).