Cloudimage Responsive Images module for Magento 2

Introduction

Cloudimage is a scalable image CDN and proxy for transforming and optimizing images on-the-fly and accelerating them via rocket-fast Content Delivery Networks all around the world.

The Cloudimage Responsive Images Plugin is a JS plugin for implementing Cloudimage in your code automatically and enabling responsive images on any web or mobile application.

This Magento 2 module implements the Cloudimage Responsive Images Plugin on Magento 2 shops and accelerates your shop's landing, category and product pages.

There are 2 steps for enabling the plugin on your Magento 2 website:

1. Install Cloudimage Responsive module for Magento 2
2. Adapt the Magento templates to enable Cloudimage (on-the-fly or manually)

Warning

This version integrates changes in the Module's name and we therefore recommend a complete un-installation and re-installation to avoid any issue with your website if you are currently using a version below 1.1.0. Step by step guide to perform a smooth update:

1. Remove the Cloudimage Responsive plugin from the package
2. Remove all manual templates integration and all module references
3. Once the package is modified, deploy it
4. Remove the Cloudimage module row in the setup_module table with the following SQL request: `DELETE FROM setup_module WHERE module = 'CloudImage_Responsive'`
5. Install this latest version in the package (standard new installation, described below)
6. Make all tests required
7. Once the package is ready, deploy it

It will briefly stop optimizing images through Cloudimage, but no broken image will be visible as a result of the update. You also can skip the steps 1 to 3 in order to perform a faster update, but the images will be broken until the new version is fully deployed.

1. Install Cloudimage Responsive module for Magento 2

Prerequisites

Cloudimage supports Open Source and Commerce Edition from version 2 onwards.

To use the module, please sign up for a free account with Cloudimage and get your Cloudimage token. This token is required to configure the Magento plugin.

If you have a question or need assistance, feel free to contact our support.

Install module by Composer

To be able to install the module by Composer, you need to get a copy of the module on the Magento Marketplace, or directly from Github.

```
composer config repositories.cloudimage vcs
https://github.com/scaleflex/magento-cloudimage-responsive
composer require cloudimage/module-responsive-plugin --sort-packages
```

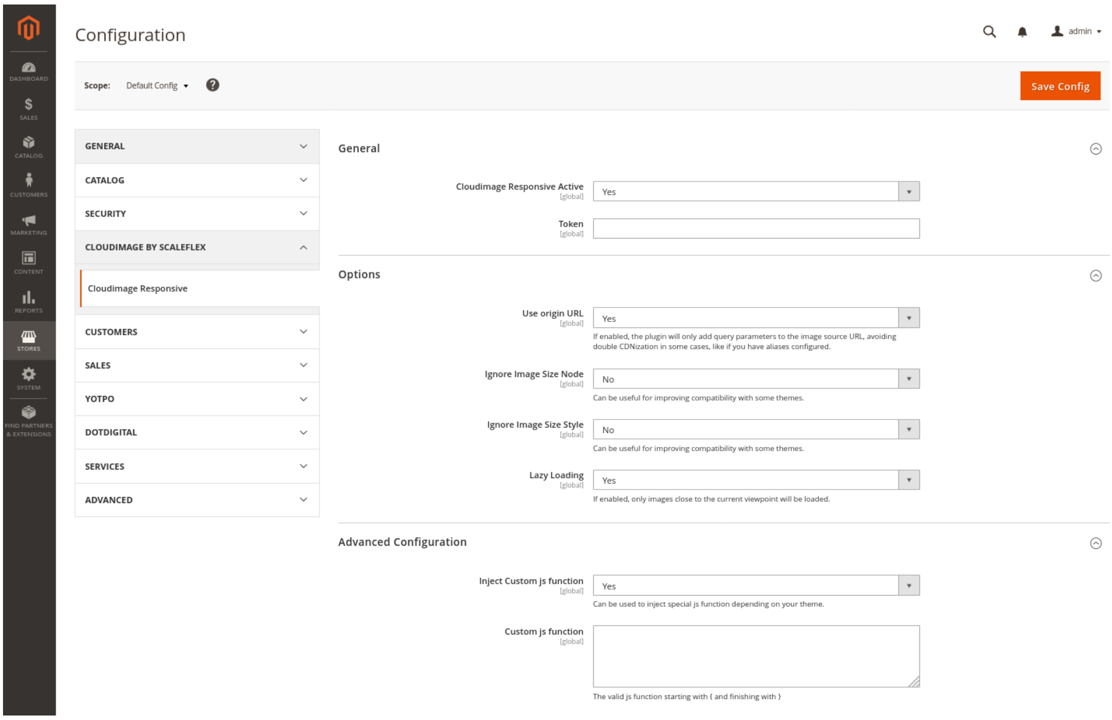
Enable and install following modules in Magento:

```
php bin/magento module:enable Cloudimage_Responsive
php bin/magento setup:upgrade
```

Configuration

Once the steps listed above are completed enter your Cloudimage token into the Cloudimage Responsive module configuration the Magento admin interface:

```
Stores > Configuration > Cloudimage By Scaleflex > Cloudimage Responsive
```



Configuration

Scope: Default Config

General

Cloudimage Responsive Active [global]: Yes

Token [global]:

Options

Use origin URL [global]: Yes
If enabled, the plugin will only add query parameters to the image source URL, avoiding double CDNization in some cases, like if you have aliases configured.

Ignore Image Size Node [global]: No
Can be useful for improving compatibility with some themes.

Ignore Image Size Style [global]: No
Can be useful for improving compatibility with some themes.

Lazy Loading [global]: Yes
If enabled, only images close to the current viewpoint will be loaded.

Advanced Configuration

Inject Custom js function [global]: Yes
Can be used to inject special js function depending on your theme.

Custom js function [global]:
The valid js function starting with { and finishing with }

Expand the `General` section and activate the module by selecting `Yes` in the `Cloudimage Responsive Active` dropdown. Enter your Cloudimage token and configure the Options. After saving the configuration, you will be asked to flush your Magento cache.

Options

Following options are available:

Use origin URL: If enabled, the module will only add query parameters to the image source URL without prefixing it with `{token}.cloudimg.io`. This is required if you use a dedicated subdomain for delivering your images (media) in Magento. You will need to complete the steps for enabling a custom CNAME in Cloudimage documented here.
Ignore Image Size Node: useful for improving compatibility with some themes.

Ignore Image Size Style: useful for improving compatibility with some themes.

Lazy Loading: if enabled, images will be lazy-loaded for better loading times and user experience.

Advanced Configuration [Optional]

This setting is for advanced users only and allows to inject a custom JS function into the Magento templates in order to support some specific Magento templates. Feel free to contact us in order to get the custom JS function to inject to address issues with your specific template.

Inject Custom JS function: If enabled, you will be able to customize the JS function used dynamically to get the DOM information.

Custom js function: The js function to customize Cloudimage library.

2. Integration "on-the-fly" in Magento templates

Once activated, the Cloudimage Responsive module will replace "on the fly" your template's classic image tag elements. Specifically, all image tags detected with a src attribute will be replaced with a ci-src attribute and will therefore be processed through the Cloudimage infrastructure, allowing transformations and CDN caching.

Compatibility

This functionality is 100% compatible with the Magento Luma theme.

Templates customization

In case you are using customized templates and some of them would be built in Javascript, you will most probably have to do a manual integration (see below). It means that if some blocks are modified by a javascript after the DOM load, the "on-the-fly" functionality will not anymore be able to integrate them automatically.

3. Manual integration in Magento templates (Magento server access required)

In the case of a personalized template, to be able to benefit from fast and responsive images you might need to modify the PHP templates, to replace the `<img src="" />` element by `<img ci-src="" />`.
Any Magento template file (.phtml) injecting images in your Magento shop via an `<img src>` HTML attribute should be modified as shown below in order to deliver responsive images wih Cloudimage.

Example

As an example, the Magento product catalog page template `image_with_borders.phtml` can be found under `product/` folder on your Magento server.

1. Copy Magento original template in your theme: `app/design/frontend/<your-theme>/default/Magento_Catalog/templates/product/image_with_borders.phtml`
2. Replace the src line `src="<?= $block->(...)"` by `ci-src="<?= $block->(...)"`

Here is an example using Cloudimage helper to modify the image element only if the Responsive plugin is activated:

Template : `app/design/frontend/<your-theme>/default/Magento_Catalog/templates/product/image_with_borders.phtml`

```
<?php
/**
 * Copyright © Magento, Inc. All rights reserved.
 * See COPYING.txt for license details.
 */
?>
<?php
$cloudImageHelper = $this->helper(\Cloudimage\Responsive\Helper\Config::class);
?>
<span class="product-image-container" style="width:<?=
$block->escapeHtmlAttr($block->getWidth()) ?>px;">
    <span class="product-image-wrapper" style="padding-bottom: <?= ($block->getRatio()
* 100) ?>%;">
        <img class="<?= $block->escapeHtmlAttr($block->getClass()) ?>"
            <?= $block->escapeHtmlAttr($block->getCustomAttributes()) ?>

            <?php if ($cloudImageHelper->isActive()): ?>
                ci-src="<?= $block->escapeUrl($block->getImageUrl()) ?>"
            <?php else: ?>
                src="<?= $block->escapeUrl($block->getImageUrl()) ?>"
            <?php endif; ?>

            max-width="<?= $block->escapeHtmlAttr($block->getWidth()) ?>"
            max-height="<?= $block->escapeHtmlAttr($block->getHeight()) ?>"
            alt="<?= /* @noEscape */ $block->stripTags($block->getLabel(), null, true)
?>"
            />
     </span>
</span>
```

If you have any issue with modifying your template, feel free to contact our support.