

Image alias handling

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Description

Image aliases are generated with [LiipImagineBundle](#), using the underlying [Imagine library](#) from [avalanche123](#). This bundle supports GD, Imagick or Gmagick PHP extensions, and allows you to define flexible filters in PHP. Image files are stored using the `IOService`, and are completely independent from `ezimage` Field Type. They are generated only once and cleared on demand (e.g. content removal).

Configuration

Image variation (aka "Image alias") definition follows the same format as before, in `ezplatform.yml` or any imported semantic configuration file. It's *dynamic*, so can be configured per site access and all the other scopes.

```
# Example
ezpublish:
  system:
    my_siteaccess:
      image_variations:
        small:
          reference: null
          filters:
            - { name: geometry/scaledownonly, params: [100, 160] }
        medium:
          reference: null
          filters:
            - { name: geometry/scaledownonly, params: [200, 290] }
        listitem:
          reference: null
          filters:
            - { name: geometry/scaledownonly, params: [130, 190] }
        articleimage:
          reference: null
          filters:
            - { name: geometry/scalewidth, params: [770] }
```

Important

Each variation name **must be unique**. It may contain `_` or `-` or numbers, but no spaces.

- `reference`: Name of a reference variation to base the variation on. If `null` (or `~`, which means `null` in YAML), the variation will take the original image for reference. It can be any available variation configured in `ezpublish` namespace, or a `filter_set` defined in `liip_imagine` namespace.
- `filters`: array of filter definitions (hashes containing `name` and `params` keys). See possible values below.

Available filters

In addition to [filters exposed by LiipImagineBundle](#), the following are available:

Filter name	Parameters	Description
geometry/scaledownonly	[width, height]	Generates a thumbnail that will not exceed width/height.
geometry/scalewidthdownonly	[width]	Generates a thumbnail that will not exceed width.
geometry/scaleheightdownonly	[height]	Generates a thumbnail that will not exceed height.
geometry/scalewidth	[width]	Alters image width. Proportion will be kept.
geometry/scaleheight	[height]	Alters image height. Proportion will be kept.
geometry/scale	[width, height]	Alters image size, not exceeding provided width and height. Proportion will be kept.
geometry/scaleexact	[width, height]	Alters image size to fit exactly provided width and height. Proportion will not be kept.
geometry/scalepercent	[widthPercent, heightPercent]	Scales width and height with provided percent values. Proportion will not be kept.
geometry/crop	[width, height, startX, startY]	Crops the image. Result will have provided width/height, starting at provided startX/startY
border	[thickBorderX, thickBorderY, color=#000]	Adds a border around the image. Thickness is defined in px. Color is "#000" by default.
filter/noise	[radius=0]	Smooths the contours of an image (imagick/gmagick only). radius is in pixel.
filter/swirl	[degrees=60]	Swirls the pixels of the center of an image (imagick/gmagick only). degrees defaults to 60°.
resize	{size: [width, height]}	Simple resize filter (provided by LiipImagineBundle).
colorspace/gray	N/A	Converts an image to grayscale.

LiipImagineBundle supports additional settings, it is possible to combine filters from the list above to [the ones provided in LiipImagineBundle](#) or custom ones.

Examples with filters:

With liip filter

For the campaign variation, it is now possible to define the `jpeg_quality` setting:

```

ezpublish:
  system:
    my_siteaccess:
      image_variations:
        reduced_jpeg:
          reference: null
          filters:
liip_imagine:
  driver: imagick
  filter_sets:
    mediumimage:
      jpeg_quality: 50

```

With ezpublish filter

Using the geometry/scalewidth filter

```

ezpublish:
  system:
    my_siteaccess:
      image_variations:
        mediumimage:
          reference: null
          filters:
            - geometry/scalewidth:
          params: [770]

```

Discarded filters

The following filters have been discarded due to incompatibility:

- `flatten`. Obsolete, images are automatically flattened.
- `bordercolor`
- `border/width`
- `colorspace/transparent`
- `colorspace`

Custom filters

Please refer to [LiipImagineBundle documentation on custom filters](#). [Imagine library documentation](#) may also be useful.

Post-Processors

LiipImagineBundle supports [post-processors on image aliases](#) . It is possible to specify them in image alias configuration:

```
ezpublish:
  system:
    my_siteaccess:
      image_variations:
        articleimage:
          reference: null
          filters:
            - { name: geometry/scalewidth, params: [770] }
          post_processors:
            jpegoptim: {}
```

Please refer to [post-processors documentation in LiipImagineBundle](#) for details.

Drivers

LiipImagineBundle supports GD (default), Imagick and GMagick PHP extensions and only works on image blobs (no command line tool is needed). See the [bundle's documentation](#) to learn more on that topic.

Upgrade

- Instantiate `LiipImagineBundle` in your kernel class

If you were using ImageMagick, please install `Imagick` or `Gmagick` PHP extensions and activate the driver in `liip_imagine` (see [LiipImagineBundle configuration documentation](#) for more information):

```
# ezplatform.yml or config.yml
liip_imagine:
  # Driver can either "imagick", "gmagick" or "gd", depending on the PHP extension
  # you're using.
  driver: imagick
```

GD will be used by default if no driver is specified.

Purging aliases

It is possible to use the Liip Imagine console tool to clear generated aliases.

```
$ php app/console liip:imagine:cache:remove --filters=large
$ php app/console liip:imagine:cache:remove -v
```

Note : deleting as a group user or not owner of files

Due to a limitation in the Flysystem version required by eZ Platform, image variations directories and files are created with a hardcoded permission that prevents group users and users other than the owner from writing or removing those files/directories.

The first example will clear the image files for the `large` alias. The second will clear all the generated aliases (be careful), and list the removed files (`-v`).

The naming scheme change introduced by this feature wasn't enabled by default on 5.4.x. As part of migration you'll need to adapt to the new schema to get the benefit of this more efficient purge method. More technical information can be found on the [pull-request](#).

