

EXT:fdfx_be_image

Extension Key: **fdfx_be_image**

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http://www.4many.net/manual/fdfx_be_image/manual.pdf

The content of this document is related to TYPO3

- a GNU/GPL CMS/Framework available from www.typo3.com

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Introduction

What does it do?

Often articles are decorated with images uploaded to the server. These images are optimized to be displayed at a special position or just provide a general overview.

But what if an editor just needs a special section for a teaser or a header image or some background for CSS? Manipulate it on the local computer instead of requiring additional programs...

As you can imagine: **fdfx_be_image** is the beginning of server based image processing focused on the TYPO3-Framework. At the moment it provides the capability to crop images. Further functionality will follow depending on requirements.

Starting with version 1.4.0 it is now automatically detected if DAM is available. If so an icon for image cropping will be added.

Sponsoring

The initial development of this extension was sponsored by www.weltkunst.de.

Acknowledgment

This extension is based on developments provided by Alf Magne Kalleland at www.dhtmlgoodies.com.

The server based image cropping was totally rewritten to be compatible with the TYPO3-Framework and meet the security requirements. Additional changes on the original Javascript code for the AJAX communication was required.

Screenshots

Left clicking on an image in your Filelist provides an additional menu entry: FXImage.



If you have DAM it will look like this:

A screenshot of the TYPO3 DAM (Fileadmin) interface. The top navigation bar shows 'File' and tabs for 'List' and 'Upload'. Below the tabs, it says '3 records found.' and 'Show: 20'. There is a 'Folder' button. The main area shows a folder path '[fileadmin/]: images/' and a file count of '3 Files, 3.1 Mbytes'. A table lists three files: 'fdfx_image' (Type: Folder, Date: 08-12-07, Size: RW), 'bild0013.jpg' (Type: JPG, Date: 29-11-07, Size: 1.6 M, RW), and 'p1020637.jpg' (Type: JPG, Date: 08-12-07, Size: 1.4 M, RW). Each file row has a set of icons for edit, search, info, and delete. At the bottom left is an 'Options' button.

You will get the image manipulation section. At the moment all you can do is cropping and scaling the image.

To crop an image just drag and move the dotted rectangle. Further you can just type in the values directly. If you select **Preview** and click on **Crop** and preview window will display the resulting selection.

Due to the fact of floating CSS layout the size of the image displayed can be now resized due to user TSCONFIG (see. Configuration)

FXImage
New TYPO3 site
Path: / Crop Image

IMAGE CROP
To select crop area, drag and move the dotted rectangle or type in values directly into the form.

Crop-Offset:
Offset X: 0 Offset Y: 0
Dimension: 2304 x 1728

Crop-Dimension:
Width: 2304 Height: 1728
Keep Ratio: Lock:

Crop-Output:
Percent:
Fixed Size: x
Convert to: JPEG

Crop-Process:
Preview: Store:
Crop it!

Activating **FXImage** brings up the screen for cropping.

Crop-Offset:

Upper left corner of the selection.

Dimension will always display the original image size.

Crop-Dimension:

Will show the width and height of the selection.

Keep Ratio will ensure that width/height will stay constant when changing either by direct input or by mouse dragging.

Lock will disable changes of width and height by mouse.

Crop-Output:

Set the size and format for the final image.

Fixed Size enables to use presets. If you click on **+** the preset will be transferred to the cropping area while *Keep Ratio* gets activated.

Presets for *Fixed Size* can be defined User/Group TSConfig (s. later)

Percent will be overridden by *Fixed Size* if selected.

FXImage
New TYPO3 site
Path: /

IMAGE CROP
To select crop area, drag and move the dotted rectangle or type in values directly into the form.

Crop-Offset
Offset X: 0 Offset Y: 0
Dimension: 2304 x 1728

Crop-Dimension
Width: 2304 Height: 1728
Keep Ratio: Lock:

Crop-Output
Percent: 100% Convert to: JPG
Fixed Size: XGA

Crop-Process
Preview: Store:

By default **Fixed Size** is
640x480 VGA
800x600 WGA
1024x768 XGA

To define that to your need s. Configuration.

Fixed Size XGA is selected and '+' will be clicked. Result will be shown in next image.

FXImage
New TYPO3 site
Path: /

IMAGE CROP
To select crop area, drag and move the dotted rectangle or type in values directly into the form.

Crop-Offset
Offset X: 0 Offset Y: 0
Dimension: 2304 x 1728

Crop-Dimension
Width: 1024 Height: 768
Keep Ratio: Lock:

Crop-Output
Percent: 100% Convert to: JPG
Fixed Size: XGA

Crop-Process
Preview: Store:

The selection area is adjusted to the selected **Fixed Size** and **Keep Ratio** is activated.

Now you can select the image area by moving the selection to the area you like and resize the selection until you get the area you want.

Result is shown on the next image.

FXImage
New TYPO3 site
Path: /

Crop Image

IMAGE CROP
To select crop area, drag and move the dotted rectangle or type in values directly into the form.

Crop-Offset
Offset X: 1034 Offset Y: 441
Dimension: 2304 x 1728

Crop-Dimension
Width: 1069 Height: 802
Keep Ratio: Lock:

Crop-Output
Percent: 100 Convert to: JPEG
Fixed Size: XGA

Crop-Process
Preview: Crop it! Store:

We moved the selection and increased the width and height to get the items covered we want in the final image.

Now we click on *Crop It*.

We will get the *Preview* shown in the next image.



The selection got scaled to the selected Fixed Size (here XGA: 1024x768).

TIPP:

You can use this also to scale your images to the resolution you want without cropping. Just define presets for the required resolution (s. configuration)



If you want to save the image finally select *Store* before clicking on *Crop It*.

As you see the new filename is calculated automatically.

PDF

The actual version of this manual can be downloaded in PDF format at <http://www.>

4many.net/manual/fdfx_be_image/manual.pdf

Users manual

There is nothing more to say at the moment as just refer to the Screenshots.

Administration

Installation

Just download the extension using the extension manager. Starting with version 1.3.0 local installation is now supported.

Setup

During installation or at any time you click in the extension manager you can setup some general settings.

Variable	Definition	Type	Default	Comment
MAX_WIDTH	Defines the image maximum width for the BE output. This will NOT have any influence on the final output. This is just used to scale larger images nicely on the display and speed up output. Added version 1.0.0: Optimized for a resolution of 1024x768 px Due to the floating CSS layout you should adjust this if you have higher screen resolutions available. Further you can configure that on BE-user base by Preset (s. Configuration)	Integer	400px	Can be overridden on a user base TSConfig: e.g. <i>FDFX_BE_IMAGE.display.maxWidth=600</i> see Configuration
MAX_HEIGHT	Defines the image maximum height for the BE output. This will NOT have any influence on the final output. This is just used to scale larger images nicely on the display and speed up output. Added version 1.0.0: Optimized for a resolution of 1024x768 px Due to the floating CSS layout you should adjust this if you have higher screen resolutions available. Further you can configure that on BE-user base by Preset (s. Configuration)	Integer	300px	Can be overridden on a user base TSConfig: e.g. <i>FDFX_BE_IMAGE.display.maxHeight=450</i> see Configuration
SAME_PATH	If set, resulting image will be saved in the same path as the original.	Boolean	false	
IS_ABSOLUTE	If set, the provided path (see NEW_PATH) will be an absolute path on the server. If SAME_PATH is set (i.e. true) this will be without any influence.	Boolean	false	
NEW_PATH	This will define the path where to store the manipulated image depending in the settings of SAME_PATH and IS_ABSOLUTE.	String	fdfx_image	
RESIZE_COMMAND		String	resize	Due to the fact that ImageMagick changes the command from 'size' to 'resize' in the past, you can adjust that here if you experience problems
FIXED_SIZE	This will preset size for possible output	String	640x480 800x600 1024x768	comma separated list of pairs size=name, i.e 640x480=VGA,800x600=WGA, 1024x768=XGA

Configuration

(Added version 1.0.0)

Due to different requirements each BE-user can be configured individually. To do so add this to the user TSConfig:

```
FDFX_BE_IMAGE{
    display
    {
        maxWidth=600
        maxHeight=450
        fixedSize=200x80=small Banner,480x120=Big Banner
    }
}
```

}

This will override the general settings made during setup of the extension on a user base and will make the best use of the individual hardware.

To-Do list

1. Add additional functionality

Changelog

- 1.6.0 bugfix of changing crop dimensions on mouse move
 added new feature for cropping
 keep ratio and locking
 updates now fields automatically when moving
 added preset for output size
- 1.5.0 bug fix relies due to a bug that was caused by older versions of IM 4.2.3 as the command for resizing was changed from size to resize :-)
- 1.4.0 added support for DAM
- 1.3.0 support for local installation
 change to run also on local installation required move of class.fdfx_image.php to folder cm1
- 1.2.0 enabled non admin user to access the module
- 1.1.0 bug fix: if user TSCONFIG was not set, no values were accepted
- 1.0.0 added translation capability
 changed CSS to float to improve usages of higher resolutions
 added configuration on user base
 manual error fixing
- 0.8.0 first public upload