

# EXT: Gallery

Extension Key: **lz\_gallery**

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## Table of Contents

<b>EXT: Gallery</b> .....	<b>1</b>	Administration.....	3
<b>Introduction</b> .....	1	<b>Configuration</b> .....	6
What does it do?.....	1	Reference.....	6
Screenshots.....	2	<b>Known problems</b> .....	8
<b>Users manual</b> .....	3	<b>To-Do list</b> .....	8
		<b>Changelog</b> .....	9

## Introduction

### What does it do?

Quick steps to use the gallery. This extension provides a plugin to display image galleries. The philosophy of the extension is simple: give you galleries **fast**! Just add a record pointing to a directory on the server, and the pictures are parsed into the gallery. You want more? There is more: with this extension you can create entire listings of galleries, listings of listings...

You'll have some features available to change the images (effects, quality, size). And the layout is very customizable.

### Screenshots

**Foto-archief**  
 Number of images: 1106  
 Number of galleries: 27

Toneelstuk van Toneel-cie	12 Jun 2003	1
<div style="border: 1px solid blue; padding: 2px;"> <p>Mag even gefield streektout.          Het is inmiddels al          Under Construction</p> </div>		
Gala 2003 in Scheveningen	23 May 2003	70
<div style="border: 1px solid blue; padding: 2px;"> <p>Location: Theater Kikker Enddate:</p> </div>		
AEGEE-gala		
Activiteiten		639
<div style="border: 1px solid blue; padding: 2px;"> <p>Location: Utrecht Enddate:          Number of subgalleries: 15</p> </div>		
Event in Europe		95
<div style="border: 1px solid blue; padding: 2px;"> <p>Location: Europa ! Enddate:          Number of subgalleries: 2</p> </div>		
Events in Utrecht		348
<div style="border: 1px solid blue; padding: 2px;"> <p>Location: Utrecht, the Netherlands Enddate:          Number of subgalleries: 7</p> </div>		

Search!

post02greece70      post02greece71      post02greece72

Back	< Previous	4	Next >
Columns	Rows	Width	Click-mode
1	1	640 pixels	Effects

Effecten	rotation	Mirror	Reduce Colors	Channel	Reset
None	0°	None	Normal	All	Submit
Contrast	Gamma	Brightness	Saturation	Hue	Solarize
Normal	Normal	100	100	100	0
Swirl	Implode	Charcoal	Spread	Amplitude	Wavelength
0	0	0	0	0	0

# Users manual

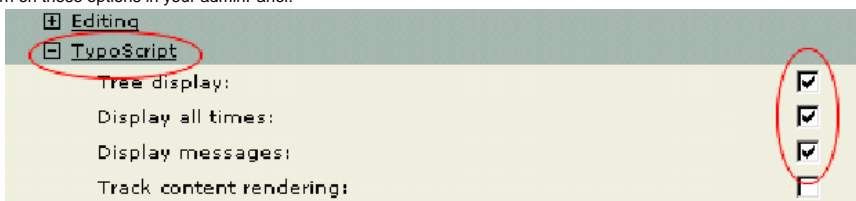
## Installation

Quick steps to use the gallery.

1. Install the extension using the extension manager.
2. Add the Gallery plugin to your page. Point it to the (sys)page where the gallery-records are stored (Start point Pid).
3. Create a Gallery record. Fill in the field as you see fit. Some points of attention:
  1. The "Foto directory" field should point to an existing directory. Remember to use a trailing slash.
  2. (Frontend) owner / usergroup fields have no functionality yet – don't give your backend-users rights to these fields.
4. Customize the extension using the Template Setup. Have a look at the configuration options (below). You can use the "Constants Editor" to set the options: there are two sections available: "plugin.Gallery" and "plugin.Gallery – Effects". Normally, you should only adapt values in the the first section.
5. Customize the look & feel using CSS styles.

## Typoscript logging

To find out what is going on – and how much time this is taking, you can inspect the extension's typoscript logging. To do so, turn on these options in your adminPanel:



If you do so, look for the extension key (tx\_lzgallery) and you can find some (debugging) information about the extension.



And if there are any serious errors, you should be notified! Like this:



Or this:

## Parsing the template.

**Alternative tempPath is invalid! "typo3temp/fotos/invalid/" was not found in \$TYPO3\_CONF\_VARS["FE"]["allowedTempPaths"]**

## Heavy Caching

As of version 0.5.0, *lz\_gallery* has a heavy caching mechanism built in. It may have both positive and negative effects. By default, it's partly enabled.

### Positive:

- speeding up the reading of directory contents
- speeding up the generating of galleries
- speeding up the generation of the effects navigation

### Negative:

- lots of cach entries.

To disable / enable the heavy caching set the appropriate values in your template setup. See the reference for details. When the caching is enabled, database entries will be added to *tx\_lzgallery\_cache\_hash* and *tx\_lzgallery\_path\_mtime*. The former holds the values representing the generated galleries and path-listings. The latter is merely a list of dates to verify path modify-times (mtimes).

### Clearing / cleaning the cache:

When you change a directory, for instance add or delete a picture, the plugin will notice the directory has changed, delete the old cach-entries for that specific directory, read the new information and store it. So it's mostly a self-cleaning mechanism.

If you've made changes to the plugin-settings through your template constants, these changes will not always be recognised by the caching mechanism. If the result on the page are not as expected, try clearing the cache. Just click "clear the cache" in the backend, like you're used to doing, and the gallery caching tables will be automatically cleared at the same time!

Remember the logs! The extension will notify you of it's caching behaviour throught the typoscript logging-facilities.

## Annotating (commenting) your images

The first thing you'll have to do is set up the gallery, as before. Let's suppose you have the following files in the gallery directory:

```
myfirstpic.jpg
yoursecond.png
lastone.gif
```

To comment on this files you'll have to place extra files in the same directory. They should have the same filenames, appended with an extension, by default "txt". Like this:

```
kitchen.jpg.txt
yoursecond.png.txt
lastone.gif.txt
```

Now, let's say you want to add a title and a large comment. Ok, choose a character two separate the two parts, let's take the standard "|" character. So fill your files with the comments. For instance, here's how "kitchen.jpg.txt" could look like:

Homer & March Simpson in the kitchen | And who would like to comment on Homer eating? Not me!

Ok, that's done. Now, to have these comments used, do the following: in your template SETUP, add the following typoscript:

```
plugin.tx_lzgallery_pi1.gallery {
    # all galleries (1x1, 2x2, 3x3 etc) default to this if they have no settings.
    default {
        # turn the first split, e.g. the title on
        1 = 1
        # and wrap it in a div so we can use stylesheets!
        1.stdWrap.wrap = <div class="plugin.tx-lzgallery-pi1-default-1">|</div>
    }
}
```

So now we have the title displayed. Wow, not so fast. First, you'll have to change the main template, more specifically the subpart "<!--##GALLERY\_DEFAULT###-->" Make sure it contains both "###IMAGE###" and "###SPLIT\_1###" are in that subpart, and you're all set!

Ok, now let's try adding a filename and filesize to the pictures, this time only for single pictures. Let's see...

```
plugin.tx_lzgallery_pi1.gallery {
    # all galleries (1x1, 2x2, 3x3 etc) default to this if they have no settings.
    1x1 {
        # turn the filename on
        filename = 1
        # and wrap it in a div so we can use stylesheets!
        filename.stdWrap.wrap = <span class="tx-lzgallery-pi1-1x1-filename">|</span>
    }
}
```



markers for ###LAYOUT###:

Marker:	Description (substituted by...):
COLROWS_LABEL	Label for the "Display" selector
COLROWS	The display selector.
MAXWIDTH_LABEL	Label for the "Screen width" selector.
MAXWIDTH	The "Screen width" selector.
CLICKMODE_LABEL	Label for the "Clickmode" selector.
PREVIOUS	Link to the previous page / picture.
NEXT	Link to the next page / picture.
EFFECTS	The entire effects-navigation.
TITLE	The gallery's title.
DESCR_LONG	The gallery's longer-description (richtext).
GALLERY	The pictures.
PATH	The original path from your gallery record.
DESCR_SHORT	The gallery's shorter description (plain text).
STARTDATE	The gallery's date. (To set the formatting / timezone, see reference).

markers for ###GALLERY\_DEFAULT###, ###GALLERY\_1x1###, ###GALLERY\_1x2, etc...

Marker:	Description (substituted by...):
IMAGE	Insert the image. this is a must!
FILENAME	Insert the filename.
FILESIZE	Insert the filesize.
SPLIT_1 SPLIT_2 SPLIT_3 ...	Inserts the splitted parts of the annotations.

markers, subparts and wraps for ###LISTING###

Tag:	Type:	Description (substituted by...):
SEARCHBOX	marker	Inserts the searchbox.
SEARCHBOX_LABEL	marker	Label for the searchbox
LISTITEM	subpart	Template for a single gallery item
NOTFOUND	subpart	Template for the listing when no galleries are found. (Because of the search of the user or because of an error).
PAGINATION	subpart	Template for the pagination.

markers, subparts and wraps for ###LISTITEM### and ###PARENTGALLERY###

Tag:	Type:	Description (substituted by...):
SUBCOUNT	marker	Inserts the number of subgalleries. If you don't want to set this value if the value is 0 than set the option <code>plugin.tx_lzgallery_pi1.listing.nosubcountfzero</code> . See reference.
COUNT	marker	Inserts the number of images. If a gallery has subgalleries, the number of images of all the subgalleries is inserted.
SUBCOUNT_LABEL COUNT_LABEL	markers	Inserts the appropriate labels.
HASSUBS	marker	Inserts the object <code>plugin.tx_lzgallery_pi1.listing.hassubs</code> if the gallery has subgalleries. Otherwise inserted empty.
NOSUBS	marker	Inserts the object <code>plugin.tx_lzgallery_pi1.listing.hassubs</code> if the gallery has subgalleries. Otherwise inserted empty.
PREVIEW	marker	Inserts a random image. If you have added images to you're gallery record, one of these will be chosen from randomly. If the list is empty, the extension will choose a random image from the specified path. If the gallery has subgallery, an image is chosen randomly from the subgalleries images.

Tag:	Type:	Description (substituted by...):
TITLE DESCR_SHORT DESCR_LONG STARTDATE ENDDATE LOCATION	markers	These database fields will be inserted.
TITLE_LABEL DESCR_SHORT_LABEL DESCR_LONG_LABEL STARTDATE_LABEL ENDDATE_LABEL LOCATION_LABEL	markers	The database labels for the respective fields.
LINKGALLERY	wrap	Link to display the current gallery images. Wrap will be empty if there are no images.
LINKSUBGALLERY	wrap	Link to display gallery listing with the subgalleries. Wrap will be empty if there are no subgalleries.
LINKGENERAL	wrap	Will wrap like LINKGALLERY, except if the gallery has subgalleries, in which case it will wrap like LINKSUBGALLERY

markers, subparts and wraps for ###PAGINATION###

Tag:	Type:	Description (substituted by...):
PREVIOUS	marker	Inserts the previous link.
NEXT	marker	Inserts the next link.
PAGE_ITEM	subpart	Template for a single "page ..." link.

markers, subparts and wraps for ###PAGE\_ITEM###

Tag:	Type:	Description (substituted by...):
PAGE_LINK	wrap	Inserts the link to the specific page.
PAGE_LABEL	marker	Inserts the page label ("page" by default).
PAGE_NUMBER	marker	Inserts the page number for the specific link.

markers, subparts and wraps for ###NOTFOUND###

Tag:	Type:	Description (substituted by...):
MESSAGE	marker	Inserts the searchbox.
BACKLINK	wrap	Insert a "back" link. This is a link to the very same page, but with different variables. If the search variable ( <code>tx_lzgallery_pi1[sword]</code> ) is detected, it is unset. Otherwise, an error is assumed and the link refers to the same page unsetting all variables.
BUTTON	marker	Insert the "gallery_notfound_back" label ("go back" by default). If the "notfound" object is set, it renders this object and inserts it instead. This can be used to insert an image instead, for example. See reference for the "notfound" object.

markers, subparts and wraps for ###SORTING###

Tag:	Type:	Description (substituted by...):
PREVIOUS	marker	Inserts the previous link.
NEXT	marker	Inserts the next link.
PAGE_ITEM	subpart	Template for a single "page ..." link.

markers, subparts and wraps for ###SORT\_ITEM###

Tag:	Type:	Description (substituted by...):
SORT_FIELD	marker	Inserts the label for the sorting field.
SORT_LINK	marker	Inserts the page label ("page" by default).
PAGE_NUMBER	marker	Inserts the page number for the specific link.

## Configuration

Have a look at the html produced by the plugin: you'll see some default CSS for the gallery. You may overwrite the CSS with



whatever styles you like! If you do, you could eventually unset the default css entirely. Use something like this in your template setup:

```
page = PAGE
...
page.stylesheet = your_style_sheet.css
#this unsets the default styles:
plugin.tx_lzgallery_pi1_CSS_DEFAULT_STYLE >
```

I recommend using "simulateStaticDocuments" in combination with variable hashing. This extension passes around a *lot* of variables, so if you don't use hashing, the url will get out of control (very long) easily! On the other hand, you should consider that if you use md5-hashing with a lot of variables (and combinations) the md5-hash tables in mysql might get millions of entries, which would eventually slow down your entire site. So it's a choice between two evils :-)

```
config.simulateStaticDocuments = 1
config.simulateStaticDocuments_pEnc = md5
config.simulateStaticDocuments_noTypeIfNoTitle = 1
```

The plugin needs the "content (default)" template in order to display the "long description".

To change the (language) labels, you can do the following:

```
plugin.tx_lzgallery_pi1_LOCAL_LANG.language {
    label1 = ...
    label2 = ...
}
```

where "language" can be either "default" or a 2-character shorthand for the country. To view a full list of labels defined/available, see the file "ext/lz\_gallery/pi1/locallang.php".

## Reference

Options in the template SETUP (!!):

*plugin.tx\_lzgallery\_pi1:*

Property:	Data type:	Description:	Default:
basepath	string	Points to the base-directory where all the galleries should reside. The basepath itself is relative to the webroot. Should end with a forward slash. Exmpl.: "fileadmin/fotos".	fileadmin/
temppath_fotos	string	Points to the temp-path where the cached / generated images should reside. The path is relative to the webroot.  Exmpl.: "typo3temp/mygallery"  Note: this will only work if you allow this specific temp-path in your install tool or localconf.php ("allowedTempPaths" option). And the directory exists and have read/write access. Otherwise you won't see a single image! Using different temp-paths allows you to delete the bulk of cached images from the plugin without affecting your site.	typo3temp/
temppath_effects	string	Same as above, for the image with effects applied.	typo3temp/
filetypes	list	Comma seperated list of image-filetypes allowed.	jpg.png.gif.bmp
timezone	string	Use this to set the correct timezone. The timezone should be recognized by your OS, while it is issued with a "putenv('TZ=...') command. This is to correctly display the dates.	
dateFormat	strftime-conf	Set this to change the startdate-formatting.	
listing.titleWrap	wrap	OBSOLETE SETTING	OBSOLETE SETTING
listing.resultAtATime	int	Number of galleries per page in the listing.	20
listing.nosubcountifzero	boolean	If set, the value "0" for the number of subgalleries is displayed as an empty string in stead.	1
listing.preview	IMAGE	Change the settings of this image to manipulate the resulting "preview image" in the gallery listings. The file location (listing.preview.file) is set by the plugin.	
listing.maxPages	int	This limits the number of pages in the gallery listings. For example: <pre>plugin.tx_lzgallery_pi1_listing {     resultsAtATime = 7     maxPages = 10 }</pre> this will display only 70 (sub)galleries in any listing.	100

Property:	Data type:	Description:	Default:
listing.maxlevel	int	Limits the depth of the search for subgalleries. Every subgallery found is searched for subgalleries of it's own using database queries. This setting avoid long/endless loops and problems with the database. <i>Do not change this unless you know what you are doing.</i>	10
gallery.default gallery.1x1 gallery.1x2 gallery.2x2 gallery.1x3 ... etc	GALLERY_OBJECT (see below)	Holds objects which define the behavior of annotations. default view (if no other defined) view for 1 columns x 1 rows view for 1 columns x 2 rows view for 2 columns x 2 rows view for 1 columns x 3 rows ... etc	
commentSplits	int+	Sets the limit for the number of splits for the annotation files.	
commentFileType	string	Set the filetype for the annotation files.	txt
commentBytes	int+	Set the limit for the number of bytes read from annotation files. This is to prevent the extension from using loads of memory when encountering large annotation files.	4096
layout	cObj	This cObj (that is: you can choose what object you use: HTML, TEMPLATE, etc) should return the main template. This template is needed to parse the gallery. Look at the standard extension setup with your template-analyzer to see what the default value is.	
imageLinkWrap	imageLinkWrap	Use this to set custom values for the popups generated by the "newwindow" clickmode. E.g. <pre>plugin.tx_lzgallery_pi1_imageLinkWrap {     title = I love Typo3 }</pre>	
overrideImageLinkWrap	boolean	By default, some of the values are set by the plugin. This is being generated: <pre>plugin.tx_lzgallery_pi1_imageLinkWrap {     JSwindow = 1     enable = 1     width = ... (calculated)     height = ... (calculated)     alternativeTempPath = ... (set through options) }</pre> If you want your settings to prevail, you can override these standard options by settings this option to true.	false
optimizeFactor	int	You probably know how to set the max. width for a gallery. The max.width of a picture is calculated as a result of this value, as is the max. height of the picture. If most pictures are taken in "landscape", most pictures' width is larger than the pictures' height. A single picture in "portrait" could disrupt the nice grid of pictures adding a lot of whitespace. To avoid this, by default the extension tries to optimize the width / height. Regular photographs have 3:4 dimensions, so multiplying (reducing) the height by a factor of 0.75 corrects the whitespace problem.  If you don't want the plugin to do any optimizing, set this value to 1, or unset the below setting "optimize".	0.75
optimize	"width", "height"	If most pictures are in "portrait" direction, the above behavior might be undesirable. In stead you might want to correct the picture width's of "landscape" picture. Set this value to "width" to do so.  If you don't want the plugin to do any optimizing, unset this value1, or set the above setting "optimizeFactor" to 1.	height
forceOptimize	boolean	By default, the above optimization is a "suggestion" to the system. This means all heights/widths are just a maximum value. To enforce all picture dimensions, set this value to true. Smaller pictures will be enlarged, pictures in other dimensions will be changed.	false
caching	boolean	Enable/disable any caching done by the lz_gallery heavycaching mechanism.	false
caching.paths	boolean	Enable/disable path-information caching. Only if "caching" is set to true.	true
caching.galleries	boolean	Enable/disable gallery-output caching. Only if "caching" is set to true.	true

Property:	Data type:	Description:	Default:
previous	cObj	Set this cObj (e.g. IMAGE, TEXT, HTML ...) to override the "previous" link. By default, the link is displayed as a label from the language files. <b>Example:</b> <pre>plugin.tx_lzgallery_pi1.previous = IMAGE plugin.tx_lzgallery_pi1.previous {   file = fileadmin/prev_button.png   file.width = 80m   file.height = 100m }</pre> The result of this cObj will be forcibly wrapped with the link generated by the plugin. It's probably not a good idea to define you own link with the cObj.	
next	cObj	Same as above, but for the "next" link.	
previous_nolink	cObj	Same as above, but only used when there is no previous page to display (if there is no link). For example, to hide the label/button if no link is available:  <pre>plugin.tx_lzgallery_pi1.previous_nolink = TEXT</pre> Or if you want to display the same image as above (on one line!):  <pre>plugin.tx_lzgallery_pi1.previous_nolink &lt; plugin.tx_lzgallery_pi1.previous</pre>	
next_nolink	cObj	Same as above, but for the "next" link.	
hidedescription	boolean	Enable/disable hiding of the description. If enabled, the descr_long field will only be shown once in the single gallery display.	true
qtt	filepath	If you want to change the properties of the table generated by the template, you can use a Qiktable Template. This allows you to customize virtually anything in the table. The template is called as the very last thing before the output is generated, so you can also unset anything set by default by the extension. (like align="center"). Read more about using a Qiktable template in the Qiktable <a href="#">reference</a> and <a href="#">examples</a> .	
CMD	"singleView"	If you set this to "singleView" the extension will attempt to show a single gallery. If no "showUid" variable is set in the url (or through _PIVAR_PRESETS) it will fetch the first record associated with the plugin.	
_DEFAULT_PL_VARS		Use this as explained in the section "Simple Gallery". Can be used to set default url parameters (to show a certain gallery or set effects etc).	
_LOCAL_LANG.country .langkey		Substitute "country" for the two-letter country code (like "de" or "nl") or "default" (for english/default) and substitute "langkey" for the language-key used by the extension. This will override any language label in pi/locallang.php. To see what labels are available, open that file.	

Otions in the template SETUP (!!):

`plugin.tx_lzgallery_pi1.gallery.GALLERY_OBJECT`

Property:	Data type:	Description:	Default:
1,2,3,4...	boolean / .stdWrap .richtext (boolean)	Annotations-files are split with the value of "separator". Each part corresponds to a number. Displat properties of the first part are set with "1", the second part with "2" etc. If you set the "richtext" suboption, this part of the annotation will be regarded as richtext, and parsed accordingly. This is done with "plugin.tx_lzgallery_pi1.text" (which is a copy of "t_content.text.20").	
stdWrap	stdWrap	stdWrap around the image in this gallery.	
emptyCell	cObj	If this value is set, this is put in the place of any empty cells (e.g. if you display 8 images with 2x5 display two cells will be empty).	
filename	boolean / .stdWrap	Configuration for adding the filename to the image.	
filesize	boolean / .stdWrap .human (boolean)	Configuration for adding the filesize to the image. The suboption "human" renders the filesize in human readable form (bytes, Kb, Mb, Gb).	

You can customize the effects to some extend: for each effect the setup has two fields: a list of options (plugin.tx\_lzgallery\_pi1.piVarOptions.something) and a default value (plugin.tx\_lzgallery\_pi1.piVarPresets.something). The latter should be a value available in the list, else the first value in the list will be default.

The list of options is reflected in the dropdown-lists in the navigation / effects.

`plugin.tx_lzgallery_pi1.piVarPresets -- plugin.tx_lzgallery_pi1.piVarOptions:`

Property:	Data type:	Description:	Options:	Presets:
maxwidth	list / int +	Defines the maximum width used in the extension. This value is used in the following way: it is the total maxwidth; the image-sizes are calculated accordingly, by dividing the maxwidth by the number of columns.	540,640,1024	540
colrows	list / string	Display type number of colums 'x' Number of columns. Be sure to include "1x1" as an option (or you won't be able to display a single images!).	1x1,3x3,5x5	5x5
rotation	list / int +	Image rotation.	0,45,90,135,180,225,270,315	0
colors	list / int *	Number of colors. (Color reduction). Use integer numbers. "normal" is a special value meaning "no color reduction".	normal,2,4,8,16,32,64,128,256	normal
effect	list / *	Use the default options only! The value is straight passed to imagemagick, so typing-mistakes are not encouraged!	normal,negate,enhance,dither	normal
gamma	list / float +	Gamma. (Good to clear up / brighten images).	0,2,0,4,0,6,0,8,1,1,2,1,4,1,6,1,8,2,3,4,5,10	0
clickmode		Use only these options (hardcoded): • <code>samewindow_noeffect</code> : single image is opened (using 1column x 1row). No effects available. • <code>samewindow</code> : same, but with effects • <code>newwindow</code> : standard Typo3 popup-window using javaScript. • <code>samewindow_max</code> : single image is opened (using 1column x 1row). No effects available. Image is not size-restricted (will be displayed in original size). Note that this will reveal the original foto-path (not the temp path).	samewindow_noeffect,samewindow,newwindow,samewindow_max	samewindow_noeffect
swirl	list / int	Swirpool effect. Integer is number of degrees.	-620,-360,-180,-90,-45,0,45,90,180,360,620	0
contrast	list / int	Increase / decrease image contrast.	-10,-9,-8,-7,-6,-5,-4,-3,-2,-1,0,1,2,3,4,5,6,7,8,9,10	0
implode	list / int	Implode / explode the image from the image center.	-1000,-750,-500,-400,-300,-200,-100,-90,-80,-70,-60,-50,-40,-30,-20,-10,0,10,20,30,40,50,60,70,80,90,100	0
charcoal	list / int	Charcoal effect.	-1,0,1,2,3,4,5,6,7,8,9,10,20,30,40,50	0
mirror	list / *	Use only these options.	normal,flip,flop,both	normal
channel	list / *	Extract an color-channel from the image. Use only these options.	all,red,green,blue,cyan,magenta,yellow	all
brightness	list / int +	Increase the image brightness.	0,10,20,30,40,50,60,70,80,90,100,110,120,140,160,180,200	0
saturation	list / int +	Increase the image saturation.	0,10,20,30,40,50,60,70,80,90,100,110,120,140,160,180,200	0
hue	list / int +	Increase the image hue.	0,10,20,30,40,50,60,70,80,90,100,110,120,140,160,180,200	0
amplitude	list / int +	Produce wave-effects, in combination with the wavelength.	0,1,2,3,4,6,8,10,15,25,40,60,100	0
wavelength	list / int +	Produce wave-effects, in combination with the amplitude.	0,4,8,10,20,30,40,50,60,70,80,90,100	0
spread	list / int +	Random pixel displacement by factor.	0,1,2,4,6,8,10,20,40,60,80,100	0
solarize	list / int +	Solarization (over-lighting) effect.	0,10,20,30,40,50,60,70,80,90,100	0

### Example

For instance, you could decide to change the number of columns. Also, you want to limit the possibility of color-reduction to 16 and 256 colors. Add this to your template constants section.

```
plugin.tx_lzgallery{
  piVarPresets {
    # set the default to 3 columns
    numcols = 3
  }
}
```

```

}
piVarOptions {
# be sure to include the default (set to '3') in this list also
numcols = 1,3,5,10
# and it's a nice idea to include 'normal' also ;- )
colors = normal,16,256
}
}

```

## FAQ

### Why use "heavy caching" ?

Because it can save a lot of processing time !

### Why don't he gallery listings get cached?

Because this is logically not possible. One of the features of the Gallery Listings is to display "preview" images. These are picked at random, and because of that they can't be cached.

### I don't want all the extra options, like effects, clickmodes etc. How do I get rid of them?

The easy approach is to use the "Simple" presets shipped with the extensions. Read the section "Simple Gallery" in this manual. Or do it yourself ! First unset the appropriate settings in *plugin.tx\_lzgallery.piVarPresets* and *plugin.tx\_lzgallery.piVarOptions*. Then cut out unwanted parts from the template in *plugin.tx\_lzgallery\_pi1.layout* (SETUP).

### What are piVarPresets and piVarOptions ?

"piVars" is the technical name used to refer to the http-get and http-post variables. If you refer to a page like this:

```
http://www.mysite.org/index.php?id=10&tx_lzgallery_pi1[showUid]=10&tx_lzgallery_pi1[maxwidth]=1000
```

variables "showUid" and "maxwidth" will be passed on to the gallery extension. For security reasons, the frontend user is not allowed to set just any value he / she likes. For example, you may want to restrict the allowed "maxwidth" values, to optimize the resulting page width. To accomplish this set the appropriate values of piVarPresets and piVarOptions. Here *piVarOptions.maxwidth* is the list of allowed values for the maxwidth variable, and *piVarPresets.maxwidth* is the default value is none is set. If you change these settings, be sure to include the default value in *piVarPresets* in the allowed list set in *piVarOptions*!

See section "Reference" for more detailed information.

### What's the difference between "plugin.tx\_lzgallery" and "plugin.tx\_lzgallery\_pi1" ? Which do I have to use?

You have two different ways to set values used by the gallery. First, by setting values through the SETUP part of your template. Secondly, through the CONSTANTS part. That's the difference: use *plugin.tx\_lzgallery\_pi1* in your SETUP and *plugin.tx\_lzgallery* in your CONSTANTS. Ok, but which to use. The reference section of this manual tells you which to use. But if you are in doubt or something is not working (maybe there's an mistake in the manual ;-)) the save bet is to use SETUP. I have choosen to use the same names in both SETUP and CONSTANTS to avoid confusion.

Let 's look at some explanation with the template analyzer:

```

3730: plugin.tx_lzgallery_pi1 {
3731:   basepath = {$plugin.tx_lzgallery.basepath}
3732:   temppath_fotos = {$plugin.tx_lzgallery.temppath_fotos}
3733:   temppath_effects = {$plugin.tx_lzgallery.temppath_effects}
3734:   filetypeypes = {$plugin.tx_lzgallery.filetypes}
3735:   timezone = {$plugin.tx_lzgallery.timezone}
3736:   dateFormat = {$plugin.tx_lzgallery.dateFormat}
3737:   noLimitEffects = {$plugin.tx_lzgallery.noLimitEffects}
3738:   listing.titleWrap = {$plugin.tx_lzgallery.listing.titleWrap}

```

What you see in this screenshot is a small part of the standard SETUP that comes with the extension. This is automatically loaded when you install the extension. You see that the values like "plugin.tx\_lzgallery\_pi1.basepath" are copied from the CONSTANTS like *plugin.tx\_lzgallery.basepath*". This shows that in this case you can either change the value of the constant (then the changed value will be copied) or the value of the setup (in which case nothing is being copied anymore - since the new value is set by you). However, in order for the solution with the CONSTANTS to work - the standard template has to show the correct line which copies the value into the setup. If you have doubts about that, have a look at the Template Analyzer yourself.

Once again - to view the resulting values - use the Object Browser in your Template module.

### Can I add titles and comments to my pictures?

Yes you can! This extension does not allow a per-picture database record, but you can use txt-files to comment your pictures. This is not an ideal solution, but it is a fair compromise between speed and customizability. See the subsection "Annotating (commenting) your images" in this manual.

### Can I have (multiple levels of) subgalleries?

Yes, as of version 0.5.0 you can! You can add infinite levels of subgalleries. You can use this to categorize your galleries.

### Why do you use a directory based approach, and not database records?

This gallery has today's technology in mind: the digital photcamera. The "philosophy" is too be able to shoot pictures (during an event), upload them all at once, add one gallery-record, and you're all set! If you have hundreds or even thousands of photo's you want to display on your website, adding one record for every picture is bound to be a costly and tedious business.

## Why did you write this extension ?

I needed a quick 'n dirty gallery solution, and thought this would be a nice challenge! Since then it has steadily grown in functionality: a lot of it (like commenting the pictures using files) was added because of requests in the Typo3 community.

## Known problems

- Security issue: the only check used for all the variables that are passed around in this extension, is a list-membership test; the options are checked against the list in piVarOptions. This allows no room for shell escapes or other security problems. But! If you're template-setup is flawed and you allow problematic values in the piVarOptions..... well, just don't !

## To-Do list

- Stalled: Frontend uploading of images / creation of galleries !
- Stalled: Integrate watermarks.
- Todo: Add "seperators" to the galleries.

## Changelog

### 0.6.0

- Fix: if no pictures can be displayed, html makers are no longer displayed
- Fix: images are sorted alphabetically.
- Fix: documentation updated about listing.maxlevel and listing.maxPages.
- Fix: rand() errors on MS windows.
- Fix: (hopefully!) caching issues with galleries displayed on several pages or in several languages.
- Fix: caching issues with wrong directory content being displayed

### 0.5.0

- Added: Subgalleries (!!).
- Added: Customizing the gallery listing.
- Added: Preview Images.
- Added: Heavy Caching mechanism.
- Added: "Top" and "Up" links for easy navigation.
- Added: Set of "simple" presets added at public request. (hiding effects, maxwidths, clickmoe and display options).
- Added: Using alt-text for the images (filename).
- Fixed: "\_DEFAULT\_PI\_VARS" functionality.
- Added: Customizing the next/previous links.
- Added: Customizing the width/height optimization factor.
- Added: Customizing the "newwindow" popup settings.
- Fixed: Hardcoded <div> for "descr\_long"
- Fixed: Logic bug which forced effect-navigation to appear.

### 0.4.0

- The effects-navigation is now cached, which saves about 60ms per hit.
- Added nice icons. Big thanx to Netcreators.nl !

### 0.3.0

- Added Typoscript logging.
- Added layout customization through html-templates. Cleaned up the code.
- Added possibilities to annotate your images with a file-based approach.
- Fixed problems with alternativeTempPath
- Fixed problems with path slashes. Extended possibilities for any kind of mixed slash-using. E.g. even "\fileadmin.\path\to\your\fotos" is a valid path now.

### 0.2.0

- Added "Constant Editor" Support. All custom settings in your template should now use "plugin.tx\_lzgallery" in the

constants section, not "plugin.tx\_lzgallery\_pi1" in the setup section anymore.

#### **0.1.2**

- Fixed flawed temp-paths in ext\_typoscript\_setup.txt.
- Fileextensions are now regarded case-insensitive

#### **0.1.0**

First edition !