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ImagePlugin

Control the display and alignment of images using an easy syntax

Introduction

Use this plugin to control the display and alignment of images using an easy syntax and support for server-side resizing and thumbnailing. There are a set of pre-defined layout formats for images as well as a free layout configurability.

Short example:

You type:

```
%IMAGE{"WestminstpallaceSample.png"  
  type="frame"  
  align="none"  
  caption="caption text"  
}%
```

You get:



Images to be displayed can be located

- at the `topic` as specified,
- at the location specified in the `IMAGEALBUM` preference variable,
- at the current topic or
- at a remote URL.

If you specify a remote url using `http://...` the image is downloaded (using `CPAN:LWP::Simple`) into a local cache and then processed as usual. **WARNING:** please be aware of any copyrights of the images you mirror this way.

The `topic` and `IMAGEALBUM` parameters can be of the form `[<web>.<topic>]`. For example putting

```
* Set IMAGEALBUM = TWiki.ImagePlugin
```

into the current topic will search all images at the given topic.

Syntax

```
%IMAGE{"foo.gif" ...}%
```

There are four predefined format types (plain, simple, link, thumbnail, frame, float) that can be used by setting the `type` parameter (see below). In addition there is a free-form `format` parameter to specify any other possible html layout. The Wikipedia format is also supported. See [Wikipedia:Wikipedia:Extended_image_syntax](#).

(hidden feature: `%IMAGE{"clear"}%` will create a proper clear for your floats 😊)

Arguments

The image name is mandatory. Further arguments are optional.

Name	Values	Default
<code>align</code>	left center right none	right
<code>alt</code>	alt text	image filename
<code>caption</code>	caption text	empty
<code>class</code>	(see html specs)	imageFrame, imageFloat, ... depending on the type
<code>desc</code>	description text	title text
<code>footer</code>	text to be appended to the html output	empty
<code>format</code>	image layout format string	set by type argument
<code>header</code>	text to be prepended to the html output	empty
<code>height</code>	integer value	image width
<code>href</code>	hyperlink when clicking on the image	url of the source image
<code>id</code>	(see html specs)	empty
<code>mouseover</code>	javascript executed if moving the mouse over the image	empty
<code>mouseout</code>	javascript executed if moving the mouse off the image	empty
<code>size</code>	geometry specification	image geometry
<code>style</code>	(see html specs)	empty
<code>title</code>	title text	alt value
<code>topic</code>	valid TWiki topic name	topic part of IMGALBUM value or current topic
<code>type</code>	simple link thumb[nail] frame float"	plain
<code>web</code>	valid TWiki web name	web part of IMGALBUM value or current topic
<code>width</code>	integer value	image width
<code>warn</code>	on/off, suppress error warnings	on

Image geometry

The image geometry in the `size` parameter can be specified in a format `<width>[px] [x<height>[px]]`, that is width and height can be given as integers with an optional px, where the height is optional, separated with a 'x' in between. Note, that the given width and height values are the *maximum width* and *maximum height* that the image will have keeping its aspect ratio. If you want to deform it to an exact measure use the `width` and `height` arguments.

Format specification

Format strings given in `header`, `footer` and `format` may contain the following pseudo variables:

Name	Value
<code>\$align</code>	value of <code>align</code> argumet
<code>\$alt</code>	value of <code>alt</code> argumet
<code>\$caption</code>	caption text
<code>\$class</code>	value of <code>class</code> argumet
<code>\$desc</code>	value of <code>desc</code> argument
<code>\$dollar</code>	replaced with dollar sign (\$)
<code>\$height</code>	image height
<code>\$href</code>	hyperlink url when clicking on an image
<code>\$id</code>	value of <code>id</code> argumet
<code>\$magnifyIcon</code>	enlarge-icon
<code>\$mousein</code>	value of <code>mousein</code> argument
<code>\$mouseout</code>	value of <code>mouseout</code> argument
<code>\$n</code>	replaced with a linefeed (\n)
<code>\$nop</code>	replaced with empty string
<code>\$origheight</code>	image height of the original image
<code>\$origsrc</code>	url of the original image (not the resized one)
<code>\$origwidth</code>	image width of the original image
<code>\$percent</code>	replaced with percent sign (%)
<code>\$src</code>	image source url
<code>\$style</code>	value of <code>style</code> argumet
<code>\$text</code>	link text to be displayed in the "link" layout type
<code>\$title</code>	value of <code>title</code> argument
<code>\$width</code>	image width

After the layout has been formatted any further TWiki markup that might be contained is expanded afterwards. Note, that using `$percent` and `$dollar` evaluation order of TWiki markup can be changed so that arguments are expanded *after* the `IMAGE` tag has been computed, whereas TWiki's default evaluation order is left-to-right-inside-out.

Examples

- `%IMAGE{"foo.gif" size="100" align="left" caption="This is my caption"}%` (resize to 100 pixels, text flows right, with caption)
- `%IMAGE{"foo.gif" type="thumb" align="center"}%` (Resize to `%THUMBNAIL_SIZE%` size, and center image)

Plugin Installation Instructions

- Download the ZIP file
- Unzip **ImagePlugin.zip** in your twiki installation directory. Content:

File:	Description:
<code>data/Sandbox/ImagePluginTest.txt</code>	
<code>data/TWiki/ImagePlugin.txt</code>	
<code>lib/TWiki/Plugins/ImagePlugin/Core.pm</code>	
<code>lib/TWiki/Plugins/ImagePlugin.pm</code>	
<code>pub/Sandbox/ImagePluginTest/STS-32_crew.jpg</code>	

File:	Description:
pub/Sandbox/ImagePluginTest/Tst.png	
pub/Sandbox/ImagePluginTest/Westminstpalace.jpg	
pub/TWiki/ImagePlugin/WestminstpalaceSample.png	
pub/TWiki/ImagePlugin/magnify-clip.png	
pub/TWiki/ImagePlugin/style.css	

- Optionally, run **ImagePlugin_installer** to automatically check and install other TWiki modules that this module depends on. You can also do this step manually.
- Alternatively, manually make sure the dependencies listed in the table below are resolved.

Name	Version	Description
Graphics::Magick	>=1.1.11	Required.
Image::Magick	>=6.2.4.5	Optional.

- Configure the Plugin:
 - ◆ Run the configure script to enable the Plugin
 - ◆ Change the Plugin settings as needed
- Test if the installation was successful:
 - ◆ For complete example see ImagePluginTest

Plugin Info

- Set SHORTDESCRIPTION = Control the display and alignment of images using an easy syntax

Plugin Author:	TWiki:Main.CraigMeyer
Copyright:	© 2006, TWiki:Main.CraigMeyer, © 2006-2008 Michael Daum http://michaeldaumconsulting.com , © 2006-2010 TWiki:TWiki.TWikiContributor
License:	GPL (GNU General Public License)
Plugin Version:	19301 (2010-08-01)
Change History:	
2010-08-01:	Twikibug:Item6530 - doc fixes; changing TWIKIWEB to SYSTEMWEB
03 Jul 2008:	fixed parsing the type parameter; fixing docu about the default THUMBNAIL_SIZE; added new default format <code>plain</code> ; plainify text to be used in a html attribute position, e.g. titles; default to no img alignment; refresh images on a <code>?refresh=on</code> url param; using <code>LWP::UserAgent</code> instead of <code>LWP::Simple</code> to mirror images; using <code>Resize</code> instead of <code>Scale</code> for higher quality thumbnails; don't encrypt the href param
03 Mar 2008:	make implementation of image mage configurable, defaulting to Graphics::Magick as Image::Magick has got issues using perl accellerators like <code>mod_perl</code> , <code>speedy-cgi</code>
03 Jan 2008:	added processing of remote images
18 Dec 2006:	fixed image lookup order; fixed html formats; added I18N workaround
18 Aug 2006:	fixed html errors; removed references to ImgPlugin thus not showing the magnify-clip; some html and css fixes to resemble closer to the MediaWiki examples
17 Aug 2006:	width and height arguments had no effect; floating images not clearing properly on IE
16 June 2006:	released into the public
10 May 2006:	Initial version by forking ImgPlugin
TWiki Dependency:	\$TWiki::Plugins::VERSION 1.1
CPAN Dependencies:	CPAN:Graphics::Magick; CPAN:LWP::UserAgent; CPAN:Digest::MD5
Other Dependencies:	

ImagePlugin < TWiki < TWiki

Perl Version:	5.8
Benchmarks:	GoodStyle nn%, FormattedSearch nn%, ImagePlugin nn%
Plugin Home:	http://twiki.org/cgi-bin/view/Plugins/ImagePlugin
Feedback:	http://twiki.org/cgi-bin/view/Plugins/ImagePluginDev
Appraisal:	http://twiki.org/cgi-bin/view/Plugins/ImagePluginAppraisal

Related Topics: [TWikiPlugins](#), [UserDocumentationCategory](#)

This topic: TWiki > ImagePlugin

Topic revision: r0 - 2010-08-02 - TWikiContributor



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Note: Please contribute updates to this topic on TWiki.org at [TWiki:TWiki.ImagePlugin](#)