

# Table of Contents

<b>ImagePlugin</b> .....	<b>1</b>
Introduction .....	1
Syntax .....	2
Arguments .....	2
Image geometry .....	3
Format specification .....	3
Examples .....	3
Plugin Installation Instructions .....	4
Plugin Info .....	4

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

## 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
\$align	value of align argument
\$alt	value of alt argument
\$caption	caption text
\$class	value of class argument
\$desc	value of desc argument
\$dollar	replaced with dollar sign (\$)
\$height	image height
\$href	hyperlink url when clicking on an image
\$id	value of id argument
\$magnifyIcon	enlarge-icon
\$mousein	value of mousein argument
\$mouseout	value of mouseout argument
\$n	replaced with a linefeed (\n)
\$nop	replaced with empty string
\$origheight	image height of the original image
\$origsrc	url of the original image (not the resized one)
\$origwidth	image width of the original image
\$percent	replaced with percent sign (%)
\$src	image source url
\$style	value of style argument
\$text	link text to be displayed in the "link" layout type
\$title	value of title argument
\$width	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 %THUMBNAI L\_ SI ZE% 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>	
<code>pub/Sandbox/ImagePluginTest/Tst.png</code>	
<code>pub/Sandbox/ImagePluginTest/Westminstpalace.jpg</code>	
<code>pub/TWiki/ImagePlugin/WestminstpalaceSample.png</code>	
<code>pub/TWiki/ImagePlugin/magnify-clip.png</code>	
<code>pub/TWiki/ImagePlugin/style.css</code>	

- 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
<code>Graphics::Magick</code>	<code>&gt;=1.1.11</code>	Required.
<code>Image::Magick</code>	<code>&gt;=6.2.4.5</code>	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

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Copyright:	© 2006, TWiki:Main.CraigMeyer <a href="#">↗</a> , © 2006-2008 Michael Daum <a href="http://michaeldaumconsulting.com">http://michaeldaumconsulting.com</a> <a href="#">↗</a> , © 2006-2010 TWiki:TWiki.TWikiContributor <a href="#">↗</a>
License:	GPL (GNU General Public License <a href="#">↗</a> )
Plugin Version:	19301 (2010-08-01)
Change History:	
2010-08-01:	TWiki bug: <a href="#">Item6530</a> <a href="#">↗</a> - doc fixes; changing TWIKIWEB to SYSTEMWEB
03 Jul 2008:	fixed parsing the type parameter; fixing docu about the default THUMBNAI_L_SIZE; added new default format plain; plainify text to be used in a html attribute position, e.g. titles; default to noimg alignment; refresh images on a ?refresh=on url param; using LWP::UserAgent instead of

## ImagePlugin < TWiki < TWiki

	LWP: Simple 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 configurable, defaulting to <code>Graphics::Magick</code> as <code>Image::Magick</code> has got issues using perl accelerators 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 <code>ImgPlugin</code> thus not showing the magnify-clip; some html and css fixes to resemble closer to the <code>MediaWiki</code> 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 <code>ImgPlugin</code>
Dependency:	<code>\$TWiki::Plugins::VERSION 1.1</code>
Dependencies:	CPAN: <code>Graphics::Magick</code> <a href="#">↗</a> ; CPAN: <code>LWP::UserAgent</code> <a href="#">↗</a> ; CPAN: <code>Digest::MD5</code> <a href="#">↗</a>
Other Dependencies:	
Perl Version:	5.8
Benchmarks <a href="#">↗</a> :	<code>GoodStyle nn%</code> , <code>FormattedSearch nn%</code> , <code>ImagePlugin nn%</code>
Plugin Home:	<a href="http://twiki.org/cgi-bin/view/Plugins/ImagePlugin">http://twiki.org/cgi-bin/view/Plugins/ImagePlugin</a> <a href="#">↗</a>
Feedback:	<a href="http://twiki.org/cgi-bin/view/Plugins/ImagePluginDev">http://twiki.org/cgi-bin/view/Plugins/ImagePluginDev</a> <a href="#">↗</a>
Appraisal:	<a href="http://twiki.org/cgi-bin/view/Plugins/ImagePluginAppraisal">http://twiki.org/cgi-bin/view/Plugins/ImagePluginAppraisal</a> <a href="#">↗</a>

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

This topic: [TWiki > ImagePlugin](#)

Topic revision: `r0` - 2010-08-02 - [TWiki Contributor](#)



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Ideas, requests, problems regarding TWiki? Send feedback

**Note:** Please contribute updates to this topic on [TWiki.org](http://twiki.org) at [TWiki:TWiki.ImagePlugin](http://twiki.org)