

## From EULER Project

# PmWiki: Links

A key feature of Wiki Wiki Webs is the ease of creating hyper links in the text of a document. PmWiki provides multiple mechanisms for creating such links.

## Links to other pages in the wiki

To create a link to another page, simply enclose the name of the page inside double square brackets, as in `[[wiki sandbox]]` or `[[installation]]`. These result in links to wiki sandbox and installation, respectively.

PmWiki creates a link by using the text inside the double brackets. It does this by removing spaces between words, and automatically capitalizing words following spaces or other punctuation (like ~). Thus `[[Wiki sandbox]]`, `[[wiki sandbox]]`, and `[[WikiSandbox]]` all display differently but create the same link to the page titled *WikiSandbox*.

In other words, PmWiki will automatically create the link path name using title case as a rule, but link text will display in the format you have entered it.

A suffix can also be added to the end of a link, which becomes part of the link text but not the target. Thus `[[wiki sandbox]]es` is a link to *WikiSandbox* but displays as wiki sandboxes.

Link text in (parentheses) will not be displayed, so that `[[ (wiki) sandbox]]` links to *WikiSandbox* and displays as sandbox.

Finally, you can specify the link text via a vertical brace, thus `[[WikiSandbox | a play area]]`, which links to *WikiSandbox* but displays as a play area. You can use an arrow (`->`) to reverse the order of the text and target, as in `[[a play area -> WikiSandbox]]` (a play area).

Some sites also recognize WikiWord links, in which a camel case (capitalised) *WikiWord* appearing in the text is automatically treated as a link to a page of the same name.

## Link shortcuts

Use of special characters in title is not a problem for PmWiki, but sometimes the character set is different from your computer and the server computer or the client computer that is used to read your wiki. Specially UTF-8 gives some problems. So it's better not to use these and keep ASCII characters if possible. Any page can have a `(:title <name>:)` directive to display a localized title instead of the page file name. In this case, the following tip is important and usefull.

`[[PageName | +]]` creates a link to PageName and uses that page's title as the link text, eg `[[PmWiki.BasicEditing|+]]` where the page Installation has the directive `(:title Basic PmWiki editing rules:)=` gives Basic PmWiki editing rules.

`[[PageName | #]]` creates a reference link as shown below Links as References.

`[[!PageName]]` creates a link to the PageName in the group called Category. See Categories.

`[[~Author]]` link creates a link to the page in the page called Author in the Profiles group. PmWiki will automatically generate that link for the current Author when it encounters three tilde characters (~) in a row (~~~). Adding a fourth tilde (~~~~) appends the current date and time.

## Links to specific locations within a page -- "anchors"

To define a location within a page to which you may jump directly, use the markup `[[#name]]`. This creates an "anchor" that uniquely identifies that location in the page. Then to have a link jump directly to that anchor, use one of

- `[[#name|link text]]` within the same page, or
- `[[PageName#name]]` or `[[PageName#name|link text]]` for a location on another page
- The form `[[PageName(#name)]]` may be useful for hiding the anchor text in a link.

For example, here's a link to the [Intermaps](#) section, below.

Notes:

- the anchor itself must begin with a letter, **not a number**
- a link to an anchor must have the **same capitalization as the anchor** itself.
- Spaces are not allowed in an anchor: `[[#my anchor]]` won't work, `[[#myanchor]]` will.

## Links outside the wiki

### Links to external sites (URLs)

Links to external sites simply begin with a prefix such as 'http:', 'ftp:', etc. Thus `http://google.com/` and `[[http://google.com/]]` both link to Google. As with the above, an author can specify the link text by using the vertical brace or arrow syntax, as in `[[http://google.com/ | Google]]` and `[[Google -> http://google.com]]`.

If the external link includes (parentheses), escape these using `%28` for "(" and `%29` for ")" :

```
[[http://en.wikipedia.org/wiki/Wiki_%28disambiguation%29 | link to "Wiki
(disambiguation)" ]]
```

[link to "Wiki \(disambiguation\)"](#)

### Links to intranet (local) files

You can link to a file system by including the prefix `'file:///'` (for Internet Explorer at least). So `file:///S:\ProjPlan.mpp` and `[[Shared S drive->file:///S:\]]` are both valid links. On a Windows file system you may want to use network locations (eg `\\server1\rootdirectory\subdirectory`) rather than drive letters which may not be consistent across all users. Not all browsers will follow such links.

## Link characteristics

## Links as References

Links may also be specified as **References**, so the target appears as an anonymous *numeric* reference rather than a *textual* reference. The following markup is provided to produce sequential reference numbering within a PmWiki page:

Formatting the link as: `[[http://google.com |#]]` produces: `[1](approve sites)` as the link.

Subsequent occurrence of the reference link format on the same page will be incremented automatically as per the following example: Entering `[[http://pmwiki.com |#]]` produces `[2](approve sites)`, `[[#intermaps |#]]` produces [Intermaps](#), and so on for further reference links.

## Intermaps

[Inter Map](#) links are also supported (see [Inter Map](#)). In particular, the `Path: InterMap` entry can be used to create links using relative or absolute paths on the current site (e.g., `Path: ../../somedir/foo.html` or `Path:/dir/something.gif`).

## Links to pages in other [wiki groups](#)

See [Wiki Group](#).

## Links that open a new browser window

To have a link open in another window, use `%newwin%...%`:

- `%newwin% http://pmichaud.com %%` produces <http://pmichaud.com>
- `%newwin% [[http://google.com/ | Google]] %%` produces [Google](#)([approve sites](#))
- `%newwin% [[Main.WikiSandbox]] %%` produces [Main.WikiSandbox](#)

You can also specify that links should open in a new window via the `%target=_blank%...%` attribute:

The following link `%target=_blank% http://pmichaud.com %%` will open in a new window. The following link <http://pmichaud.com> will open in a new window.

## Links that are not followed by [robots](#)

Prefix a link with `%rel=nofollow%` to advise robots([approve sites](#)) and link checkers([approve sites](#)) not to follow it.

## Links and CSS Classes

PmWiki automatically gives classes to several types of links. Among other things, this enables you to format each type differently.

Note: This may be an incomplete list.

`.selflink`

A link to the current page. Useful in sidebars to show "you are here".

**.wikilink**

A link to another page within the wiki.

**.urlink**

A link to a page outside the wiki.

You can create a the class `.anchor` for anchor links

`[[#target]]`, aka `<A name='target'></A>`

by putting the following in `config.php` :

```
Markup('[[#', '<[[', '/'(?>\\[\\[#[([A-Za-z][-.:\\w*)]\\]\\]\\]/e',
    "Keep(TrackAnchors('$1') ? '': \"<a name='$1' id='$1' class='anchor'></a>\", 'L')");
```

## Notes

**Note:** The default behavior of "+" above can be overridden to display the spaced title, rather than simply the title by adding the following to `config.php`:

```
## [[target |+]] title links
Markup('[[|+', '<[[|',
    "/(?>\\[\\[([\\^|\\|\\|+))\\|\\|\\s*\\|\\|\\s*]]/e",
    "Keep(MakeLink(\\$pagename, PSS('$1'),
        PageVar(MakePageName(\\$pagename,PSS('$1')), '\\$Titlespaced')
        ), 'L')");
```

How do I create a link that will open as a new window?

Use the `%newwin%` wikistyle, as in:

```
%newwin% http://example.com/ %% http://example.com/
```

How do I create a link that will open a new window, and configure that new window?

This requires javascript. See [Cookbook:PopupWindow](#).

How do I place a mailing address in a page?

Use the `mailto:` markup, as in one of the following:

|                                                                                   |                                                                                 |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| * <code>mailto:myaddress@example.com</code>                                       | • <a href="mailto:myaddress@example.com">myaddress@example.com</a>              |
| * <code>[[mailto:myaddress@example.com]]</code>                                   | • <a href="mailto:myaddress@example.com">mailto:myaddress@example.com</a>       |
| * <code>[[mailto:myaddress@example.com   email me]]</code>                        | • <a href="mailto:myaddress@example.com">email me</a>                           |
| * <code>[[mailto:myaddress@example.com?subject=Some subject   email me]]@]</code> | • <a href="mailto:myaddress@example.com?subject=Some subject   email me">@]</a> |

The markup

`[[mailto:me@example.com?cc=someoneelse@example.com&bcc=else@example.com&subject=Subject&body=Pre-set body | display text]] =]` lets you specify more parameters like the message body and more recipients (may not work in all browsers and e-mail clients).

See also [Cookbook:EProtect](#) or [Cookbook:ProtectEmail](#) for information on protecting email addresses from spammers.

How can I enable links to other protocols, such as nntp:, ssh:, xmpp:, etc?

See [Cookbook:Add Url schemes](#)

How do I make a WikiWord link to an external page instead of a WikiPage?

Use link markup. There are two formats:

```
[[http://example.com/ | WikiWord]]  
[[WikiWord -> http://example.com/]]
```

How do I find all of the pages that link to another page (i.e., backlinks)?

In the wiki search form, use `link=Group.Page` to find all pages linking to `Group.Page`.

Use the `link=` option of the [\(:pagelist:\)](#) directive, as in

```
(:pagelist link=SomePage list=all:) -- show all links to SomePage  
(:pagelist link={$FullName} list=all:) -- show all links to the current page
```

What link schemes does PmWiki support?

See [PmWiki:Link schemes](#)

How do I open external links in a new window or mark them with an icon?

See [Cookbook:External links](#)

How can I use an image as a link?

Use `[[Page|Attach:image.jpg]]` or `[[ http://site | http://site/image.jpg ]]` See [Images#links](#)

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