



# Syntax

 DokuWiki supports some simple markup language, which tries to make the datafiles to be as readable as possible. This page contains all possible syntax you may use when editing the pages. Simply have a look at the source of this page by pressing the *Edit this page* button at the top or bottom of the page. If you want to try something, just use the [playground](#) page. The simpler markup is easily accessible via  quickbuttons, too.

## Basic Text Formatting

DokuWiki supports **bold**, *italic*, underlined and monospaced texts. Of course you can ***combine*** all these.

```
DokuWiki supports bold, //italic//, __underlined__ and 'monospaced'
texts.
Of course you can __//'combine'//__ all these.
```

You can use <sub>subscript</sub> and <sup>superscript</sup>, too.

```
You can use <sub>subscript</sub> and <sup>superscript</sup>, too.
```

You can mark something as ~~deleted~~ as well.

```
You can mark something as <del>deleted</del> as well.
```

**Paragraphs** are created from blank lines. If you want to **force a newline** without a paragraph, you can use two backslashes followed by a whitespace or the end of line.

This is some text with some linebreaks  
Note that the  
two backslashes are only recognized at the end of a line  
or followed by  
a whitespace \\this happens without it.

```
This is some text with some linebreaks\\ Note that the
two backslashes are only recognized at the end of a line
or followed by\\ a whitespace \\this happens without it.
```




You should use forced newlines only if really needed.

## Links

---

DokuWiki supports multiple ways of creating links.

### External


External links are recognized automatically:  <http://www.google.com> or simply  [www.google.com](http://www.google.com) - You can set the link text as well:  This Link points to google. Email addresses like this one: [andi@splitbrain.org](mailto:andi@splitbrain.org) are recognized, too.

```
DokuWiki supports multiple ways of creating links. External links are
recognized
automagically: http://www.google.com or simply www.google.com - You can
set
link text as well: [[http://www.google.com|This Link points to google]].
Email
addresses like this one: <andi@splitbrain.org> are recognized, too.
```

### Internal

Internal links are created by using square brackets. You can either just give a [pagename](#) or use an additional [link text](#).

```
Internal links are created by using square brackets. You can either just
give
a [[pagename]] or use an additional [[pagename|link text]].
```

 Wiki [pagenames](#) are converted to lowercase automatically, special characters are not allowed.

You can use [namespaces](#) by using a colon in the pagename.

```
You can use [[some:namespaces]] by using a colon in the pagename.
```



For details about namespaces see  [namespaces](#).

Linking to a specific section is possible, too. Just add the section name behind a hash character as known from HTML. This links to [this Section](#).



```
This links to [[syntax#internal|this Section]].
```

Notes:

- Links to [existing pages](#) are shown in a different style from [nonexisting](#) ones.



- DokuWiki does not use  CamelCase to automatically create links by default, but this behavior can be enabled in the  config file. Hint: If DokuWiki is a link, then it's enabled.
- When a section's heading is changed, its bookmark changes, too. So don't rely on section linking too much.

## Interwiki

DokuWiki supports  Interwiki links. These are quick links to other Wikis. For example this is a link to Wikipedia's page about Wikis:  Wiki.

```
DokuWiki supports [[doku>Interwiki]] links. These are quick links to other Wikis.  
For example this is a link to Wikipedia's page about Wikis: [[wp>Wiki]].
```

## Windows Shares

Windows shares like  this are recognized, too. Please note that these only make sense in a homogeneous user group like a corporate  Intranet.

```
Windows Shares like [[\\server\share|this]] are recognized, too.
```

Notes:

- For security reasons direct browsing of windows shares only works in Microsoft Internet Explorer per default (and only in the “local zone”).
- For Mozilla and Firefox it can be enabled through different workaround mentioned in the [Mozilla Knowledge Base](#). However, there will still be a JavaScript warning about trying to open a Windows Share. To remove this warning (for all users), put the following line in `conf/local.protected.php`:

```
$lang['js']['nosmblinks'] = '';
```

## Image Links

You can also use an image to link to another internal or external page by combining the syntax for links and **images** (see below) like this:

```
[[http://www.php.net|{{wiki:dokuwiki-128.png}}]]
```



Please note: The image formatting is the only formatting syntax accepted in link names.

The whole **image** and **link** syntax is supported (including image resizing, internal and external images and URLs and interwiki links).

## Footnotes

---

You can add footnotes <sup>1)</sup> by using double parentheses.

```
You can add footnotes ((This is a footnote)) by using double parentheses.
```

## Sectioning

---

You can use up to five different levels of headlines to structure your content. If you have more than three headlines, a table of contents is generated automatically - this can be disabled by including the string `~~NOTOC~~` in the document.

### Headline Level 3

### Headline Level 4

---

### Headline Level 5


```
==== Headline Level 3 ====
=== Headline Level 4 ===
== Headline Level 5 ==
```


By using four or more dashes, you can make a horizontal line:

---

## Images and Other Files

---

You can include external and internal  images with curly brackets. Optionally you can specify the size of them.

Real size: 

Resize to given width: 

Resize to given width and height<sup>2)</sup>: 

Resized external image: 

```
Real size:                {{wiki:dokuwiki-128.png}}
Resize to given width:   {{wiki:dokuwiki-128.png?50}}
Resize to given width and height: {{wiki:dokuwiki-128.png?200x50}}
Resized external image:
{{http://de3.php.net/images/php.gif?200x50}}
```

By using left or right whitespaces you can choose the alignment.



```
{{ wiki:dokuwiki-128.png}}
{{wiki:dokuwiki-128.png }}
{{ wiki:dokuwiki-128.png  }}
```

Of course, you can add a title (displayed as a tooltip by most browsers), too.



```
{{ wiki:dokuwiki-128.png |This is the caption}}
```

If you specify a filename (external or internal) that is not an image (gif, jpeg, png), then it will be displayed as a link instead.

For linking an image to another page see [Image Links](#) above.

## Lists

Dokuwiki supports ordered and unordered lists. To create a list item, indent your text by two spaces and use a \* for unordered lists or a - for ordered ones.

- This is a list
  - The second item
    - You may have different levels
  - Another item
1. The same list but ordered
  2. Another item
    - a. Just use indentation for deeper levels
  3. That's it

```
* This is a list
```

- ```

* The second item
  * You may have different levels
* Another item

- The same list but ordered
- Another item
  - Just use indention for deeper levels
- That's it

```

Also take a look at the [📄 FAQ on list items](#).








## Text Conversions

DokuWiki can convert certain pre-defined characters or strings into images or other text or HTML.

The text to image conversion is mainly done for smileys. And the text to HTML conversion is used for typography replacements, but can be configured to use other HTML as well.

## Text to Image Conversions

DokuWiki converts commonly used **W** emoticons to their graphical equivalents. Those **Smileys** and other images can be configured and extended. Here is an overview of Smileys included in DokuWiki:


-  8-)
- 8-O 8-O
- :-( :-(
-  :-)
- =) =)
- :-/ :-/
- :-\ :-\
- :-? :-?
- :-D :-D
-  :-P
- :-O :-O
- :-X :-X
- :| :|
- ;-) ;-)
- ^\_^ ^\_^
-  :?:
-  :!:
- LOL LOL
-  :FIXME:
-  :DELETEME:


## Text to HTML Conversions

Typography: [DokuWiki](#) can convert simple text characters to their typographically correct entities. Here is an example of recognized characters.

```
→ ← ↔ ⇒ ⇐ ⇨ » « - — 640x480 © ™ ®
“He thought 'It's a man's world'...”
```

```
-> <- <-> => <=< <=> >> << -- --- 640x480 (c) (tm) (r)
“He thought 'It's a man's world'...”
```

The same can be done to produce any kind of HTML, it just needs to be added to the  pattern file.

There are three exceptions which do not come from that pattern file: multiplication entity (640x480), 'single' and “double quotes”. They can be turned off through a  config option.

## Quoting

Some times you want to mark some text to show it's a reply or comment. You can use the following syntax:

```
I think we should do it

> No we shouldn't

>> Well, I say we should

> Really?

>> Yes!

>>> Then lets do it!
```

I think we should do it

```
No we shouldn't
|
| Well, I say we should
|
| Really?
|
| Yes!
|
| Then lets do it!
```

## Tables

DokuWiki supports a simple syntax to create tables.

| Heading 1   | Heading 2                           | Heading 3   |
|-------------|-------------------------------------|-------------|
| Row 1 Col 1 | Row 1 Col 2                         | Row 1 Col 3 |
| Row 2 Col 1 | some colspan (note the double pipe) |             |
| Row 3 Col 1 | Row 3 Col 2                         | Row 3 Col 3 |

Table rows have to start and end with a | for normal rows or a ^ for headers.

```

^ Heading 1      ^ Heading 2      ^ Heading 3      ^
Row 1 Col 1	Row 1 Col 2	Row 1 Col 3
Row 2 Col 1	some colspan (note the double pipe)	
Row 3 Col 1	Row 3 Col 2	Row 3 Col 3

```

To connect cells horizontally, just make the next cell completely empty as shown above. Be sure to have always the same amount of cell separators!

Vertical tableheaders are possible, too.

|           | Heading 1            | Heading 2   |
|-----------|----------------------|-------------|
| Heading 3 | Row 1 Col 2          | Row 1 Col 3 |
| Heading 4 | no colspan this time |             |
| Heading 5 | Row 2 Col 2          | Row 2 Col 3 |

As you can see, it's the cell separator before a cell which decides about the formatting:

```

|      ^ Heading 1      ^ Heading 2      ^
^ Heading 3 | Row 1 Col 2   | Row 1 Col 3   |
^ Heading 4 | no colspan this time |      |
^ Heading 5 | Row 2 Col 2   | Row 2 Col 3   |

```

You can have rowspans (vertically connected cells) by adding ::: into the cells below the one to which they should connect.

| Heading 1   | Heading 2                  | Heading 3   |
|-------------|----------------------------|-------------|
| Row 1 Col 1 | this cell spans vertically | Row 1 Col 3 |
| Row 2 Col 1 |                            | Row 2 Col 3 |
| Row 3 Col 1 |                            | Row 2 Col 3 |

Apart from the rowspan syntax those cells should not contain anything else.

```

^ Heading 1      ^ Heading 2      ^ Heading 3      ^
| Row 1 Col 1   | this cell spans vertically | Row 1 Col 3   |
| Row 2 Col 1   | :::              | Row 2 Col 3   |

```



```
| Row 3 Col 1 | ::: | Row 2 Col 3 |
```

You can align the table contents, too. Just add at least two whitespaces at the opposite end of your text: Add two spaces on the left to align right, two spaces on the right to align left and two spaces at least at both ends for centered text.

| Table with alignment |              |              |
|----------------------|--------------|--------------|
| right                | center       | left         |
| left                 | right        | center       |
| XXXXXXXXXXXX         | XXXXXXXXXXXX | XXXXXXXXXXXX |

This is how it looks in the source:

```
^          Table with alignment          ^^^
right	center	left
left	right	center
XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX
```

Note: Vertical alignment is not supported.

## No Formatting

If you need to display text exactly like it is typed (without any formatting), enclose the area either with `<nowiki>` tags or even simpler, with double percent signs `%%`.

This is some text which contains addresses like this: `http://www.splitbrain.org` and `**formatting**`, but nothing is done with it.

The same is true for `//__this__ text//` with a smiley ;-).

```
<nowiki>
This is some text which contains addresses like this:
http://www.splitbrain.org and **formatting**, but nothing is done with it.
</nowiki>
The same is true for %//__this__ text// with a smiley ;-)%.
```

## Code Blocks

You can include code blocks into your documents by either indenting them by at least two spaces (like used for the previous examples) or by using the tags `<code>` or `<file>`.

```
This is text is indented by two spaces.
```

```
This is preformatted code all spaces are preserved: like <-
```

```
this
```

```
This is pretty much the same, but you could use it to show that you
quoted a file.
```


Those blocks were created by this source:

```
  This is text is indented by two spaces.
```

```
<code>
This is preformatted code all spaces are preserved: like      <-
this
</code>
```

```
<file>
This is pretty much the same, but you could use it to show that you quoted
a file.
</file>
```

## Syntax Highlighting

[DokuWiki](#) can highlight sourcecode, which makes it easier to read. It uses the  [GeSHi Generic Syntax Highlighter](#) - so any language supported by GeSHi is supported. The syntax uses the same code and file blocks described in the previous section, but this time the name of the language syntax to be highlighted is included inside the tag, e.g. `<code java>` or `<file java>`.

```
/**
 * The HelloWorldApp class implements an application that
 * simply displays "Hello World!" to the standard output.
 */
class HelloWorldApp {
    public static void main(String[] args) {
        System.out.println("Hello World!"); //Display the string.
    }
}
```

The following language strings are currently recognized: *4cs, 6502acme, 6502kickass, 6502tasm, 68000devpac, abap, actionscript-french, actionscript, actionscript3, ada, algol68, apache, applescript, asm, asp, autoconf, autohotkey, autoit, avisynth, awk, bascomavr, bash, basic4gl, bf, bibtex, blitzbasic, bnf, boo, c, c\_loadrunner, c\_mac, caddcl, cadlisp, cfdg, cfm, chaiscript, cil, clojure, cmake, cobol, coffeescript, cpp, cpp-qt, csharp, css, cuesheet, d, dcs, delphi, diff, div, dos, dot, e, epc, ecmascript, eiffel, email, erlang, euphoria, f1, falcon, fo, fortran, freebasic, fsharp, gambas, genero, genie, gdb, glsl, gml, gnuplot, go, groovy, gettext,*

*gwbasic, haskell, hicest, hq9plus, html, html5, icon, idl, ini, inno, intercal, io, j, java5, java, javascript, jquery, kixtart, klonec, klonecpp, latex, lb, lisp, llvm, locobasic, logtalk, lolcode, lotusformulas, lotusscript, lscript, lsl2, lua, m68k, magiksf, make, mapbasic, matlab, mirc, modula2, modula3, mmix, mpasm, mxml, mysql, newlisp, nsis, oberon2, objc, object, ocaml-brief, ocaml, oobas, oracle8, oracle11, oxygene, oz, pascal, pcre, perl, perl6, per, pf, php-brief, php, pike, pic16, pixelbender, pli, plsqli, postgresql, povray, powerbuilder, powershell, proftpd, progress, prolog, properties, providex, purebasic, pycon, python, q, qbasic, rails, rebol, reg, robots, rpmspec, rsplus, ruby, sas, scala, scheme, scilab, sdlbasic, smalltalk, smarty, sql, systemverilog, tcl, teraterm, text, thinbasic, tsql, typoscript, unicon, uscript, vala, vbnet, vb, verilog, vhdl, vim, visualfoxpro, visualprolog, whitespace, winbatch, whois, xbasic, xml, xorg\_conf, xpp, yaml, z80, zxbasic*

## Downloadable Code Blocks

When you use the `<code>` or `<file>` syntax as above, you might want to make the shown code available for download as well. You can do this by specifying a file name after language code like this:

```
<file php myexample.php>
<?php echo "hello world!"; ?>
</file>
```

**myexample.php**

```
<?php echo "hello world!"; ?>
```

If you don't want any highlighting but want a downloadable file, specify a dash (-) as the language code: `<code - myfile.foo>`.

## Embedding HTML and PHP

You can embed raw HTML or PHP code into your documents by using the `<html>` or `<php>` tags. (Use uppercase tags if you need to enclose block level elements.)

HTML example:

```
<html>
This is some <span style="color:red;font-size:150%;">inline HTML</span>
</html>
<HTML>
<p style="border:2px dashed red;">And this is some block HTML</p>
</HTML>
```

This is some **inline HTML**

And this is some block HTML

PHP example:


```
<php>
echo 'A logo generated by PHP: ';
echo '';
echo '(generated inline HTML)';
</php>
<PHP>
echo '<table class="inline"><tr><td>The same, but inside a block level
element:</td>';
echo '<td></td>';
echo '</tr></table>';
</PHP>
```


```
echo 'A logo generated by PHP: '; echo '';
echo '(inline HTML)';
```

```
echo '<table class="inline"><tr><td>The same, but inside a block level
element:</td>';
echo '<td></td>';
echo '</tr></table>';
```

**Please Note:** HTML and PHP embedding is disabled by default in the configuration. If disabled, the code is displayed instead of executed.

## RSS/ATOM Feed Aggregation

DokuWiki can integrate data from external XML feeds. For parsing the XML feeds,  SimplePie is used. All formats understood by SimplePie can be used in DokuWiki as well. You can influence the rendering by multiple additional space separated parameters:

Parameter	Description
any number	will be used as maximum number items to show, defaults to 8
reverse	display the last items in the feed first
author	show item authors names
date	show item dates
description	show the item description. If  HTML is disabled all tags will be stripped
n[dhm]	refresh period, where d=days, h=hours, m=minutes. (e.g. 12h = 12 hours).

The refresh period defaults to 4 hours. Any value below 10 minutes will be treated as 10 minutes. [DokuWiki](#) will generally try to supply a cached version of a page, obviously this is inappropriate when the page contains dynamic external content. The parameter tells [DokuWiki](#) to re-render the page if it is more than *refresh period* since the page was last rendered.

### Example:

```
{rss>http://slashdot.org/index.rss 5 author date 1h }
```


-  Bill Gates' Climate Group Lays Off US, Europe Policy Teams by BeauHD (2025-03-14 11:00)
-  Mars' Middle Atmosphere Appears Driven By Gravity Waves by BeauHD (2025-03-14 08:00)
-  NASA, Yale, and Stanford Scientists Consider 'Scientific Exile' by BeauHD (2025-03-14 04:30)
-  Chinese Hackers Sat Undetected in Small Massachusetts Power Utility for Months by BeauHD (2025-03-14 03:02)
-  Yale Suspends Palestine Activist After AI Article Linked Her To Terrorism by BeauHD (2025-03-14 02:25)





## Control Macros






















Some syntax influences how DokuWiki renders a page without creating any output it self. The following control macros are available:







Macro	Description
~~NOTOC~~	If this macro is found on the page, no table of contents will be created
~~NOCACHE~~	DokuWiki caches all output by default. Sometimes this might not be wanted (eg. when the <code>&lt;php&gt;</code> syntax above is used), adding this macro will force DokuWiki to re-render a page on every call

## Syntax Plugins

DokuWiki's syntax can be extended by  [Plugins](#). How the installed plugins are used is described on their appropriate description pages. The following syntax plugins are available in this particular DokuWiki installation:

-  [Bureaucracy Plugin 2021-02-17](#) by Andreas Gohr  
Create forms and generate pages or emails from them
-  [c3chart plugin 2014-11-02](#) by Jason Xun Xu  
Inserts interactive data charts rendered by C3.js.
-  [Countdown Plugin 2020-11-01](#) by Ron Peters, Ekkart Kleinod, Luis Machuca Bezzaza  
Countdown to a specific date
-  [Data Template Plugin 2016-08-03](#) by Cyrille Giquello, Christoph Clausen  
Extension to the data plugin allowing for the use of templates.

-  [Structured Data Plugin 2020-11-18](#) by Andreas Gohr  
Add and query structured data in your wiki
-  [Dw2Pdf plugin 2021-02-07](#) by Andreas Gohr and Luigi Micco  
DokuWiki to PDF converter
-  [Filelist Plugin 2020-09-27](#) by Gina Häußge, Dokufreaks  
Lists files matching a given glob pattern.
-  [Gallery Plugin 2019-01-05](#) by Andreas Gohr  
Creates a gallery of images from a namespace or RSS/ATOM feed
-  [geo 2014-09-06](#) by GEPARD, Vienna  
Geographical features for Dokuwiki
-  [hidden Plugin 2019-03-31](#) by Guillaume Turri  
Enable to hide/show details
-  [Image Map Plugin 2020-06-16](#) by Gerry Weißbach / Michael Große  
Create client-side image maps. Derived from the Version of Tom N Harris
-  [include plugin 2020-10-08](#) by Michael Hamann, Gina Häußge, Christopher Smith, Michael Klier, Esther Brunner  
Functions to include another page in a wiki page
-  [Indexmenu Plugin 2020-07-31](#) by Samuele Tognini  
Show a customizable and sortable index for a namespace
-  [Info Plugin 2020-06-04](#) by Andreas Gohr  
Displays information about various DokuWiki internals
-  [Math Plugin 2019-03-05](#) by Christopher Smith  
Add mathematical formulae to dokuwiki. Syntax: `<m size>math formulae</m>`
-  [Navigation Plugin 2021-02-16](#) by Andreas Gohr  
Build a navigation menu from a list
-  [orphanswanted plugin 2017-06-25](#) by Doug Edmunds, Cyrille37, Federico Ariel Castagnini, Andy Webber, Matthias Schulte  
Display Orphans, Wantedes and Valid link tables
-  [Pagelist Plugin 2020-09-27](#) by Matthias Schulte, Michael Hamann, Michael Klier, Gina Häußge  
Lists pages in a nice formatted way
-  [Inline Page Modifier 2014-11-10](#) by Baseline IT  
Allows you create structured ways pages can be modified
-  [PageQuery Plugin 2014-11-09](#) by Symon Bent  
Search for (fulltext) and list wiki pages, sorted and optionally grouped by name, date, creator, abc, etc. in columns. Insert the pagequery markup wherever you want your list to appear.  
E.g. `{{pagequery>[query;fulltext;sort=key:direction,key2:direction;group;limit=??;cols=?;in words;proper]}}` [...] = optional
-  [Search Form Plugin 2020-12-05](#) by Gerrit Uitslag, (previous: Adolfo González Blázquez)  
Inserts a search form in any page
-  [Select Plugin 2019-11-30](#) by Ikuo Obataya  
Creates a selection box of links to navigate
-  [sortablejs 2016-05-26](#) by vaxquis  
Allow sorting tables by columns
-  [starred plugin 2017-04-20](#) by Andreas Gohr  
Personal bookmarking for pages
-  [Switch Panel Plugin 2018-11-06](#) by Green It Solutions  
Draw switch panel from text description

-  **Table Width Plugin 2016-10-13** by Mykola Ostrovskyy  
Allows to specify width of table columns.
-  **tagfilter 2020-02-19** by lisps, peterfromearth  
easy tag search
-  **Tag Plugin 2020-09-26** by Michael Hamann, Gina Häussge, Christopher Smith, Michael Klier, Esther Brunner  
tag wiki pages
-  **ToDo 2020-06-17** by Leo Eibler, Christian Marg, Markus Gschwendt  
Create a checkbox based todo list with optional user assignment (by using `<todo>`This is a ToDo`</todo>`). In combination with dokuwiki searchpattern plugin it is a lightweight task list management system.
-  **WikiCalendar Plugin** by Michael Klier (chi)  
Implements a simple Calendar with links to wikipages.
-  **Wrap Plugin 2018-04-22** by Anika Henke  
Universal plugin which combines functionalities of many other plugins. Wrap wiki text inside containers (divs or spans) and give them a class (choose from a variety of preset classes), a width and/or a language with its associated text direction.

- 
- 1) This is a footnote
  - 2) when the aspect ratio of the given width and height doesn't match that of the image, it will be cropped to the new ratio before resizing