

Wiki Processors

Processors are [WikiMacros](#) designed to provide alternative markup formats for the [Wiki engine](#). Processors can be thought of as *macro functions to process user-edited text*.

Wiki processors can be used in any Wiki text throughout Trac, for various different purposes, like:

- [syntax highlighting](#) or for rendering text verbatim,
- rendering [Wiki markup inside a context](#), like inside `<div>` blocks or `` or within `<td>` or `<th>` table cells,
- using an alternative markup syntax, like [raw HTML](#) and [Restructured Text](#), or [?textile](#)

Using Processors

To use a processor on a block of text, first delimit the lines using a Wiki *code block*:

```
{{{
The lines
that should be processed...
}}}
```

Immediately after the `{{{` or on the line just below, add `#!` followed by the *processor name*.

```
{{{
#!processorname
The lines
that should be processed...
}}}
```

This is the "shebang" notation, familiar to most UNIX users.

Besides their content, some Wiki processors can also accept *parameters*, which are then given as `key=value` pairs after the processor name, on the same line. If `value` has to contain space, as it's often the case for the `style` parameter, a quoted string can be used (`key="value with space"`).

As some processors are meant to process Wiki markup, it's quite possible to *nest* processor blocks. You may want to indent the content of nested blocks for increased clarity, this extra indentation will be ignored when processing the content.

Examples

Wiki Markup	Display
Example 1: Inserting raw HTML	
<pre>{{{ #!html <hl style="color: grey">This is raw HTML</hl> }}}</pre>	This is raw HTML
Example 2: Highlighted Python code in a <div> block with custom style	
<pre>{{{#!div style="background: #ffd; border: 3px ridge" This is an example of embedded "code" block: {{{ #!python def hello(): return "world" }}} }}}</pre>	<div style="border: 1px solid black; background-color: #ffffcc; padding: 5px; margin-bottom: 5px;">This is an example of embedded "code" block:</div> <div style="border: 1px solid black; background-color: #ffffcc; padding: 5px; margin-bottom: 5px;">def hello(): return "world"</div>
Example 3: Searching tickets from a wiki page, by keywords.	
<pre>{{{ #!html <form action="/query" method="get"><div> <input type="text" name="Keywords" value="" size="30"/> <input type="submit" value="Search by Keywords"/> <!-- To control what fields show up use hidden fields <input type="hidden" name="col" value="id"/> <input type="hidden" name="col" value="summary"/> <input type="hidden" name="col" value="status"/> <input type="hidden" name="col" value="milestone"/> <input type="hidden" name="col" value="version"/> <input type="hidden" name="col" value="owner"/> <input type="hidden" name="col" value="priority"/> <input type="hidden" name="col" value="component"/> --> </div></form> }}}</pre>	

For more processor macros developed and/or contributed by users, visit:

- [?ProcessorBazaar](#)
- [?MacroBazaar](#)
- [?Trac Hacks](#) community site

Developing processors is no different from Wiki macros. In fact they work the same way, only the usage syntax differs. See [WikiMacros#DevelopingCustomMacros](#) for more information.

See also: [WikiMacros](#), [WikiHtml](#), [WikiRestructuredText](#), [TracSyntaxColoring](#), [WikiFormatting](#), [TracGuide](#)