

## **Wikiprint Book**

**Title: reStructuredText Support in Trac**

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## reStructuredText Support in Trac

### Introduction

Trac supports [reStructuredText \(RST\)](#) as an alternative to wiki markup where [WikiFormatting](#) is used.

From the reStructuredText webpage:

"reStructuredText is an easy-to-read, what-you-see-is-what-you-get plaintext markup syntax and parser system. It is useful for in-line program documentation (such as Python docstrings), for quickly creating simple web pages, and for standalone documents. reStructuredText is designed for extensibility for specific application domains."

If you want a file from your Subversion repository to be displayed as reStructuredText in the Trac source browser, set `text/x-rst` as the value for the Subversion property `svn:mime-type`, or add the extension `.rst` to the filename. See [this example](#).

The examples will only be rendered as reStructuredText if docutils is installed. If Pygments is installed but docutils is not installed, the examples will be syntax-highlighted rather than rendered as reStructuredText.

### Requirements

To activate RST support in Trac, install the python docutils package with the command `easy_install docutils`, or through your operating system package manager. If not already available on your operating system, you can download it from [PyPI](#).

### More information on RST

- [reStructuredText Website](#)
- [RST Quick Reference](#)

### Using RST in Trac

To specify that a block of text should be parsed using RST, use the `rst` processor.

#### [TracLinks](#) in reStructuredText

- Trac provides a custom RST directive `trac::` to allow [TracLinks](#) from within RST text.

Wiki Markup	Display
<pre> {{{#!rst This is a reference to  a ticket   ..  a ticket  trac:: #42 }}}</pre>	<pre> This is a reference to  a ticket   ..  a ticket  trac:: #42</pre>

- You can also use the custom `:trac:` role to create [TracLinks](#) in RST.

Wiki Markup	Display
<pre> {{{#!rst This is a reference to ticket `#12`:trac:  To learn how to use Trac, see `TracGuide`:trac: }}}</pre>	<pre> This is a reference to ticket `#12`:trac:  To learn how to use Trac, see `TracGuide`:trac:</pre>

For a complete example of all uses of the `:trac:` role, see [WikiRestructuredTextLinks](#).

### Syntax highlighting in reStructuredText

There is a directive for doing [TracSyntaxColoring](#) in RST as well. The directive is called `code-block`:

Wiki Markup	Display
<pre> {{{trac: .. code-block:: python class Test:     def TestFunction(self):         pass }}}</pre>	<pre> .. code-block:: python class Test:     def TestFunction(self):         pass</pre>

Note the need to indent the code at least one character after the `.. code-block` directive.

### Wiki Macros in reStructuredText

To enable [Wiki Macros](#) in RST, you use the same `code-block` directive as for syntax highlighting:

Wiki Markup	Display
<pre> {{{#!rst  .. code-block:: RecentChanges      Trac,3  }}}</pre>	<pre> .. code-block:: RecentChanges      Trac,3</pre>

Or use the `:code-block:` role for a more concise Wiki Macro-like syntax:

Wiki Markup	Display
<pre> {{{ #!rst  :code-block:`RecentChanges:Trac,3` }}}</pre>	<pre> :code-block:`RecentChanges:Trac,3`</pre>

### Bigger RST Example

The example below should be self-explanatory:

Wiki Markup	Display
<pre> {{{#!rst FooBar Header ===== reStructuredText is <b>nice</b>. It has its own webpage_.  A table:  =====  =====  =====    Inputs    Output -----  -    A         B       A or B =====  - False  False  False True   False  True False  True   True True   True   True =====  -  RST TracLinks -----  See also ticket `#42`:trac:.  .. _webpage: http://docutils.sourceforge.net/rst.html }}}</pre>	<pre> FooBar Header ===== reStructuredText is <b>nice</b>. It has its own webpage_.  A table:  =====  =====  =====    Inputs    Output -----  -    A         B       A or B =====  - False  False  False True   False  True False  True   True True   True   True =====  -  RST TracLinks -----  See also ticket `#42`:trac:.  .. _webpage: http://docutils.sourceforge.net/rst.html</pre>

See also: [WikiRestructuredTextLinks](#), [WikiProcessors](#), [WikiFormatting](#)