

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>	<div>This is a reference to a ticket </div> <div>#42</div>

- 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 To learn how to use Trac, see</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> {{{#!rst .. code-block:: python class Test: def TestFunction(self): pass }}}</pre>	<pre> 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> 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> Trac,3</pre>

Bigger RST Example

The example below should be self-explanatory:

Wiki Markup	Display
<pre> {{{#!rst FooBar Header</pre>	<pre> reStructuredText is . It has its own webp</pre>

<pre> ===== reStructuredText is nice. 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> A table: ===== Inputs Output ----- A B A or B ===== False False False True False True False True True True True True ===== See also ticket . http://docutils.sourceforge.net/rst.htm </pre>
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See also: [WikiRestructuredTextLinks](#), [WikiProcessors](#), [WikiFormatting](#)