

Wikiprint Book

Title: reStructuredText Support in Trac

Subject: TracMeteo - WikiRestructuredText

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Table of Contents

reStructuredText Support in Trac	3
Requirements	3
More information on RST	3
Using RST in Trac	3
TracLinks in reStructuredText	3
Syntax highlighting in reStructuredText	3
Wiki Macros in reStructuredText	4
Bigger RST Example	4

reStructuredText Support in Trac

Trac supports using *reStructuredText* (RST) as an alternative to wiki markup in any context [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 be displayed as reStructuredText in Trac's source browser, set `text/x-rst` as value for the Subversion property `svn:mime-type`. See [?this example](#).

Requirements

Note that to activate RST support in Trac, the python docutils package must be installed. If not already available on your operating system, you can download it at the [?RST Website](#).

Install docutils using `easy_install docutils`. Do not use the package manager of your OS (e.g. `apt-get install python-docutils`), because Trac will not find docutils then.

More information on RST

- reStructuredText Website -- [?http://docutils.sourceforge.net/rst.html](http://docutils.sourceforge.net/rst.html)
- RST Quick Reference -- [?http://docutils.sourceforge.net/docs/rst/quickref.html](http://docutils.sourceforge.net/docs/rst/quickref.html)

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>

- Trac allows an even easier way of creating [TracLinks](#) in RST, using the custom `:trac:` role.

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, please 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> {{{ code-block .. code-block:: python class Trac: def __init__(self): pass }}}</pre>	<pre> .. code-block:: python class Trac: def __init__(self): pass</pre>

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

Wiki Macros in reStructuredText

For doing [Wiki Macros](#) in RST you use the same directive as for syntax highlighting i.e `code-block`.

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

Or a more concise Wiki Macro like syntax is also available, using the `:code-block:` role:

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 mostly self-explanatory:

Wiki Markup	Display
<pre> {{{ #!rst FooBar Header ===== 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> FooBar Header ===== 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>

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