

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>	<p>This is a reference to #42</p>

- 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>	<p>This is a reference to ticket #12</p> <p>To learn how to use Trac, see TracGuide</p>

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> 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>	<p>09/23/19</p> <ul style="list-style-type: none"> • TracLinks (diff) • TracFineGrainedPermissions (diff) • TracNavigation (diff)

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>	<p>09/23/19</p> <ul style="list-style-type: none"> • TracLinks (diff) • TracFineGrainedPermissions (diff) • TracNavigation (diff)

Bigger RST Example

The example below should be 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>	<h2>FooBar Header</h2> <p>reStructuredText is nice. It has its own webpage.</p> <p>A table:</p> <table><tr><th colspan="2">Inputs</th><th>Output</th></tr><tr><th>A</th><th>B</th><th>A or B</th></tr><tr><td>False</td><td>False</td><td>False</td></tr><tr><td>True</td><td>False</td><td>True</td></tr><tr><td>False</td><td>True</td><td>True</td></tr><tr><td>True</td><td>True</td><td>True</td></tr></table> <h2>RST TracLinks</h2> <p>See also ticket #42.</p>	Inputs		Output	A	B	A or B	False	False	False	True	False	True	False	True	True	True	True	True
Inputs		Output																	
A	B	A or B																	
False	False	False																	
True	False	True																	
False	True	True																	
True	True	True																	

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