

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`. See [this example](#).

Requirements

To activate RST support in Trac, install the python docutils package: `easy_install docutils`. If not already available on your operating system, you can download it at the [RST Website](#).

Do not use the package manager of your OS, eg `apt-get install python-docutils`, because Trac will not find docutils then.

More information on RST

- reStructuredText Website — <http://docutils.sourceforge.net/rst.html>
- RST Quick Reference — <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>	This is a reference to #42

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

Wiki Markup	Display
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<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>
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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> {{{ #!rst .. code-block:: python class Test: def TestFunction(self): pass }}}</pre>	<div style="border: 1px solid #ccc; height: 100px; width: 100%;"></div>

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 directive as for syntax highlighting, ie `code-block`:

Wiki Markup	Display
<pre> {{{ #!rst .. code-block:: RecentChanges Trac, 3 }}}</pre>	<p>Dec 27, 2016</p> <ul style="list-style-type: none"> • TracInstall (diff) • TracEnvironment (diff) • TracFineGrainedPermissions (diff)

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>	<p>Dec 27, 2016</p> <ul style="list-style-type: none"> • TracInstall (diff) • TracEnvironment (diff) • TracFineGrainedPermissions (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 <u>webpage</u>.</p> <p>A table:</p> <table border="1"><thead><tr><th colspan="2">Inputs</th><th>Output</th></tr><tr><th>A</th><th>B</th><th>A or B</th></tr></thead><tbody><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></tbody></table> <h2>RST TracLinks</h2> <p>See also ticket <u>#42</u>.</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](#)