

reStructuredText Support in Trac

Trac supports using *reStructuredText* (RST) as an alternative to wiki markup in any context [Wiki Formatting](#) 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)
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Using RST in Trac

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

Trac Links in reStructuredText

- Trac provides a custom RST directive `trac::` to allow [Trac Links](#) 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 [Trac Links](#) 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 [Wiki Restructured Text Links](#).

Syntax highlighting in reStructuredText

There is a directive for doing [Trac Syntax Coloring](#) 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>.. 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

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: A table: ===== ===== ===== Inputs Output ----- - A B A or B ===== ===== ===== False False False</pre>	<pre>FooBar Header ===== reStructuredText is **nice**. It has its own webpage_. A table: ===== ===== ===== Inputs Output ----- - A B A or B ===== ===== ===== False False False</pre>

Wiki Markup

```
=====
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
}}}
```

Display

```
True   False  True
False  True   True
True   True   True
=====
```

```
RST TracLinks
-----
```

```
See also ticket `#42`:trac:.
```

```
.. _webpage: http://docutils.sourceforge.net/rst.html
```

See also: [Wiki Restructured Text Links](#), [Wiki Processors](#), [Wiki Formatting](#)