

Wikiprint Book

Title: reStructuredText Support in Trac

Subject: Igcmg_doc - WikiRestructuredText

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

- 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>	<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, 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>	<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

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>	<p>01/10/14</p> <ul style="list-style-type: none"> • TracWiki • TracAdmin • TracEnvironment

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>01/10/14</p> <ul style="list-style-type: none"> • TracWiki • TracAdmin • TracEnvironment

Bigger RST Example

The example below should be mostly self-explanatory:

Wiki Markup	Display

```

{{{
#!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
}}}
```

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](#).

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