

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 This is a reference to a ticket .. a ticket trac:: #42 }}}</pre>	<pre>.. a ticket trac:: #42</pre>

- You can also use the custom `:trac:` role to create [TracLinks](#) in RST.

Wiki Markup

Display

```
{{{#!rst
This is a reference to ticket `#12`:trac:          This is a reference to ticket `#12`:trac:

To learn how to use Trac, see `TracGuide`:trac: To learn how to use Trac, see `TracGuide`:trac:
}}}
```

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

```
{{{#!rst

.. code-block:: python

    class Test:

        def TestFunction(self):
            pass

}}}
```

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

```
{{{#!rst

.. code-block:: RecentChanges

    Trac,3

}}}
```

Or use the `:code-block:` role for a more concise Wiki Macro-like syntax:

Wiki Markup

Display

```
{{{
#!rst

:code-block:`RecentChanges:Trac,3`

}}}
```

Bigger RST Example

The example below should be self-explanatory:

Wiki Markup

Display

```
{{{#!rst
FooBar Header
=====

FooBar Header
=====}}
```

Wiki Markup

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

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

Display

reStructuredText is **nice**. It has its

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>.

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