

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](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)

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

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

Wiki Markup

```

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

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

Display

```

This is a reference to ticket `#12`:trac:

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

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

```

{{{
#!rst

.. code-block:: python

    class Test:

        def TestFunction(self):
            pass

}}}
```

Display

```

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

Wiki Markup

```

{{{
#!rst

.. code-block:: RecentChanges

    Trac,3

}}}
```

Display

```

.. code-block:: RecentChanges

    Trac,3
```

Or a more concise Wiki Macro-like syntax is also available, using the `:code-block:` role:

Wiki Markup

```

{{{
#!rst

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

}}}
```

Display

```

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

Bigger RST Example

The example below should be self-explanatory:

Wiki Markup

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

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

Display

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

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

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