

reStructuredText Support in Trac

Introduction

Trac supports [reStructuredText \(RST\)](#) as an alternative to wiki markup where [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 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.

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

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

Wiki Markup	Display
<pre>{{{#!rst This is a reference to ticket `#12`:trac:</pre>	This is a reference to ticket <code>`#12`:trac:</code> To learn how to use Trac, see <code>`TracGuide`:trac:</code>

Wiki Markup

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

For a complete example of all uses of the `:trac:` role, see [Wiki Restructured Text Links](#).

Display

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

```
{{{#!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 `code-block` directive as for syntax highlighting:

Wiki Markup

```
{{{#!rst
```

```
.. code-block:: RecentChanges
```

```
Trac,3
```

```
}}}
```

Display

```
.. code-block:: RecentChanges
```

```
Trac,3
```

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

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
```

```
-----
```

Display

```
FooBar Header
```

```
=====
```

```
reStructuredText is nice. It has its
```

```
A table:
```

```
=====
```

```
Inputs      Output
```

```
-----
```

```
A          B      A or B
```

Wiki Markup

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
}}}

Display

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