

# 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          ..  a ticket  trac:: #42 }}}</pre>	

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

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

## Wiki Markup

## Display

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
<code>{{{#!rst</code>	
<code>.. code-block:: python</code>	<code>.. code-block:: python</code>
<code>class Test:</code>	<code>class Test:</code>
<code>    def TestFunction(self):</code>	<code>def TestFunction(self):</code>
<code>        pass</code>	<code>    pass</code>
<code>}}}</code>	

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
<code>{{{#!rst</code>	
<code>.. code-block:: RecentChanges</code>	<code>.. code-block:: RecentChanges</code>
<code>Trac,3</code>	<code>Trac,3</code>
<code>}}}</code>	

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

Wiki Markup	Display
<code>{{{</code>	
<code>#!rst</code>	
<code>:code-block:`RecentChanges:Trac,3`</code>	<code>:code-block:`RecentChanges:Trac,3`</code>
<code>}}}</code>	

## Bigger RST Example

The example below should be self-explanatory:

Wiki Markup	Display
<code>{{{#!rst</code>	
<code>FooBar Header</code>	FooBar Header
<code>=====</code>	=====
<code>reStructuredText is <b>nice</b>. It has its own webpage_.</code>	reStructuredText is <b>nice</b> . It has its
<code>A table:</code>	A table:
<code>=====</code>	=====
<code>Inputs Output</code>	Inputs Output
<code>-----</code>	-----
	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
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```

```

See also ticket `#42`:trac:.

```

```

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

```

**Display**

```

=====
False  False  False
True   False  True
False  True   True
True   True   True
=====

```

```

RST TracLinks
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```

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See also ticket `#42`:trac:.

```

```

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

```

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