

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. "

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](http://docutils.sourceforge.net/).

More information on RST

- reStructuredText Website -- <http://docutils.sourceforge.net/rst.html>
 - RST Quick Reference -- <http://docutils.sourceforge.net/docs/rst/quickref.html>
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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 reference-directive 'trac' to allow TracLinks from within RST text.

Example:

```
{#{
#!rst
This is a reference to |a ticket|

.. |a ticket| trac:: #42
}#{
```

For a complete example of all uses of the *trac*-directive, please see WikiRestructuredTextLinks.

- Trac allows an even easier way of creating TracLinks in RST, using the custom *:trac:* link naming scheme.

Example:

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

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

\$LOGOIMAGE

Syntax highlighting in reStructuredText

There is a directive for doing TracSyntaxColoring in ReST as well. The directive is called code-block

Example

```
{{{
#!rst

.. code-block:: python

class Test:

    def TestFunction(self):
        pass

}}}
```

Will result in the below.

```
.. code-block:: python

class Test:

    def TestFunction(self):
        pass
```

WikiMacros in reStructuredText

For doing WikiMacros in ReST you use the same directive as for syntax highlighting i.e code-block. To work you must use a version of trac that has #801 applied.

WikiMacro? Example

```
{{{
#!rst

.. code-block:: HelloWorld

    Something I wanted to say

}}}
```

Will result in the below.

Error: Failed to load processor HelloWorld

No macro or processor named 'HelloWorld' found

Bigger ReST Example

The example below should be mostly self-explanatory:

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

\$LOGOIMAGE

```
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
}}}
```

Results in:

```
FooBar Header
=====
reStructuredText is nice. It has its own webpage_.

A table:

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  A          B    A or B
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True  False True
False True  True
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RST TracLinks
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See also ticket `#42`:trac:.

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

See also: WikiRestructuredTextLinks, WikiProcessors, WikiFormatting