reStructuredText Support in Trac

Introduction

Trac supports ?reStructuredText (RST) as an alternative to wiki markup where WikiFormatting is used.

From the reStucturedText 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 2this 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 <code>easy_install</code> 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 <u>TracLinks</u> from within RST text.

Wiki Markup	Display
{{{\#!rst} This is a reference to a ticket	This is a reference to a ticket
a ticket trac:: #42 }}}	#42

• You can also use the custom :trac: role to create <u>TracLinks</u> in RST.

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

For a complete example of all uses of the :trac: role, see WikiRestructuredTextLinks.

Syntax highlighting in reStructuredText

There is a directive for doing <u>TracSyntaxColoring</u> in RST as well. The directive is called code-block:

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

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

Bigger RST Example

The example below should be self-explanatory:

Wiki Markup	Display
{{{#!rst FooBar Header	reStructuredText is . It has its own webp

```
reStructuredText is **nice**. It has its own webpage_. A table:
A table:
                                             Inputs Output
===== =====
                                             A B A or B
 Inputs Output
                                            _____
A B A or B
                                            False False False
_____
                                            True False True
False False False
                                            False True True
True False True
                                            True True True
                                            |-----
False True True
True True True
_____
RST TracLinks
                                            See also ticket .
See also ticket `#42`:trac:.
                                             http://docutils.sourceforge.net/rst.htm
.. _webpage: http://docutils.sourceforge.net/rst.html
} } }
```

See also: WikiRestructuredTextLinks, WikiProcessors, WikiFormatting