

Wikiprint Book

Title: reStructuredText Support in Trac

Subject: YAM - Yet Another Mailer - WikiRestructuredText

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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."

If you want a file from your Subversion repository be displayed as reStructuredText in Trac's source browser, set `text/x-rst` as value for the Subversion property `svn:mime-type`. See [?this example](#).

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](#).

Install docutils using `easy_install docutils`. Do not use the package manager of your OS (e.g. `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.

Example:

```

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

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

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

Example:

```

{{{
#!rst
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`

Example

```

{{{
#!rst

.. code-block:: python

class Test:

    def TestFunction(self):
        pass

}}}

```

Will result in the below.

```

class Test:
    def TestFunction(self):
        pass

```

Wiki Macros in reStructuredText

For doing [Wiki Macros](#) in RST 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.

Wiki Macro Example

```

{{{
#!rst

.. code-block:: RecentChanges

    Trac,3

}}}

```

Will result in the below:

Nov 28, 2014

- [TracWiki \(diff\)](#)
- [TracImport \(diff\)](#)
- [TracInstall \(diff\)](#)

Or a more concise Wiki Macro like syntax is also available:

```

{{{
#!rst

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

}}}

```

Bigger RST Example

The example below should be mostly self-explanatory:

```

{{{
#!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
-----

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:

| Inputs | | Output |
|--------|-------|--------|
| A | B | A or B |
| False | False | False |
| True | False | True |
| False | True | True |
| True | True | True |

RST TracLinks

See also ticket [#42](#).

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