Wikiprint Book

Title: Syntax Coloring of Source Code

Subject: YAM - Yet Another Mailer - TracSyntaxColoring

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Syntax Coloring of Source Code

Trac supports language-specific syntax highlighting of source code within wiki formatted text in wiki processors blocks and in the repository browser.

To do this, Trac uses external libraries with support for a great number of programming languages.

Currently Trac supports syntax coloring using one or more of the following packages:

- ?Pygments, by far the preferred system, as it covers a wide range of programming languages and other structured texts and is actively supported
- ?GNU Enscript, commonly available on Unix but somewhat unsupported on Windows
- ?SilverCity, legacy system, some versions can be ?problematic

To activate syntax coloring, simply install either one (or more) of these packages (see #ExtraSoftware section below). If none of these packages is available, Trac will display the data as plain text.

About Pygments

Starting with trac 0.11 ?pygments will be the new default highlighter. It's a highlighting library implemented in pure python, very fast, easy to extend and ?well documented.

The Pygments default style can specified in the mime-viewer section of trac.ini. The default style can be overridden by setting a Style preference on the preferences page.

It's very likely that the list below is outdated because the list of supported pygments lexers is growing weekly. Just have a look at the page of ?supported lexers on the pygments webpage.

Syntax Coloring Support

Known MIME Types

Note that the rich content may be directly *rendered* instead of syntax highlighted. This usually depends on which auxiliary packages are installed and on which components are activated in your setup. For example a `text/x-rst` document will be rendered via `docutils` if it is installed and the `trac.mimeview.rst.ReStructuredTextRenderer` is not disabled, and will be syntax highlighted otherwise.

In a similar way, a document with the mimetype `text/x-trac-wiki` is rendered using the Trac wiki formatter, unless the `trac.mimeview.api.WikiTextRenderer` component is disabled.

HTML documents are directly rendered only if the `render_unsafe_html` settings are enabled in the TracIni (those settings are present in multiple sections, as there are different security concerns depending where the document comes from). If you want to ensure that an HTML document gets syntax highlighted and not rendered, use the `text/xml` mimetype.

List of Languages Supported, by Highlighter

This list is only indicative.

	SilverCity	Enscript	Pygments
Ada		?	
Asm		?	
Apache Conf			?
ASP	?	?	
C	?	?	?
C#		? [(1)]	?
C++	?	?	?
Java	? [(2)]	?	?
Awk		?	
Boo			?
CSS	?		?
Python Doctests			?
Diff		?	?
Eiffel		?	
Elisp		?	
Fortran		? [(1)]	?
Haskell		?	?
Genshi			?
HTML	?	?	?
IDL		?	
INI			?
Javascript	?	?	?
Lua			?
m4		?	
Makefile		?	?
Mako			?
Matlab [(3)]		?	?
Mygthy			?
Objective-C		?	?
OCaml			?
Pascal		?	?
Perl	?	?	?
PHP	?		?
PSP	?		
Pyrex		?	
Python	?	?	?
Ruby	?	? [(1)]	?
Scheme		?	?
Shell		?	?
Smarty			?
SQL	?	?	?
Troff		?	?
TCL		?	
Tex		?	?
Verilog	? [(2)]	?	
VHDL		?	
Visual Basic		?	?
VRML		?	
XML	?		?

(1) Not included in the Enscript distribution. Additional highlighting rules can be obtained for ?Ruby, ?C#, ?Fortran 90x/2003

(2) since Silvercity 0.9.7 released on 2006-11-23

(3) By default `.m` files are considered Objective-C files. In order to treat `.m` files as MATLAB files, add "text/matlab:m" to the "mime_map" setting in the [mimeviewer] section of trac.ini.

Extra Software

- GNU Enscript ? ?http://directory.fsf.org/GNU/enscript.html
- GNU Enscript for Windows ? ?http://gnuwin32.sourceforge.net/packages/enscript.htm
- SilverCity ? ?http://silvercity.sf.net/
- **Pygments ? ?http://pygments.org/**

See also: WikiProcessors, WikiFormatting, TracWiki, TracBrowser