

## Redmine - Feature #2985

### Make syntax highlighting pluggable

2009-03-16 17:38 - Jean-Baptiste Barth

<b>Status:</b>	Closed	<b>Start date:</b>	2009-03-16
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	0%
<b>Category:</b>	Text formatting	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	1.0.0 (RC)		
<b>Resolution:</b>	Fixed		
<b>Description</b>			
<p>As discussed in <a href="#">#1651</a>, actual CodeRay support in Redmine is limited, and it could be interesting to make syntax highlighting pluggable. Here is a proposal which keeps actual CodeRay behaviour by default, and allow plugins to implement syntax highlighting. See <code>syntax_highlighting.diff</code></p> <p>The second patch prevents Redcloth from escaping some chars when they're in a code block which will be treated by syntax highlighter. There's also a minor change to deactivate a broken (useless?) facility. It doesn't matter for coderay, but other highlighters like <a href="#">Ultraviolet</a> cannot parse code with ampersands everywhere... Note this patch is necessary if you want the plugin below to work well in wikis sections (no impact on attached files). Also note the same kind of trick can easily solve <a href="#">#1416</a>. See <code>redcloth.diff</code></p> <p>As an example, I leave a basic plugin to support <a href="#">Ultraviolet</a> syntax highlighting, with active4d theme. It's quite simple, you just have to make your own module under <code>Redmine::SyntaxHighlighting</code> and define some methods. See <code>ultraviolet_highlighter.zip</code></p> <p>Any comment about all that is welcome !</p>			
<b>Related issues:</b>			
Related to Redmine - Patch #1651: Hack to make redmine use pygmentize instead...		<b>Closed</b>	<b>2008-07-15</b>
Related to Redmine - Feature #3032: Use google Prettify for syntax highlighti...		<b>Closed</b>	<b>2009-03-23</b>
Related to Redmine - Feature #1313: Optionally use ultraviolet for syntax hig...		<b>Closed</b>	<b>2008-05-27</b>

#### Associated revisions

##### Revision 3582 - 2010-03-14 10:05 - Jean-Philippe Lang

Do not html escape code that is going to be highlighted ([#2985](#), [#3359](#)).

##### Revision 3584 - 2010-03-14 13:57 - Jean-Philippe Lang

Extract CodeRay calls to `Redmine::SyntaxHighlighting` ([#2985](#)).

#### History

##### #1 - 2010-03-14 15:38 - Jean-Philippe Lang

- File `ultraviolet_highlighter.zip` added
- Category set to *Text formatting*
- Status changed from *New* to *Closed*
- Target version set to *1.0.0 (RC)*
- Resolution set to *Fixed*

Code highlighting methods were extracted to a module in [r3584](#). It doesn't support online configuration in application settings but it can be replaced with a plugin.

Attached a simple plugin that make use of Ultraviolet. BTW, it seems way slower than Coderay, at least for ruby highlighting.

##### #2 - 2010-03-15 00:02 - Kornelius Kalnbach

I read on the German Ruby forum that UV was about 20 times slower than CodeRay. But they really use the TextMate bundles, which are very complex. It's still fast enough for a lot of projects (Pastie, most notably), and they support a lot more languages.

Pygments would be faster, but if you have to call it via a shell command each time you want to highlight something, it may be even slower than Ultraviolet.

## Files

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syntax_highlighting.diff	9.11 KB	2009-03-16	Jean-Baptiste Barth
redcloth.diff	3.54 KB	2009-03-16	Jean-Baptiste Barth
ultraviolet_highlighter.zip	21.8 KB	2009-03-16	Jean-Baptiste Barth
ultraviolet_highlighter.zip	3.04 KB	2010-03-14	Jean-Philippe Lang