

Redmine - Defect #1754

Redmine not compatible with RedCloth >= 3.301

2008-08-06 00:04 - Simone Carletti

Status:	Closed	Start date:	2008-08-05
Priority:	High	Due date:	
Assignee:	Jean-Philippe Lang	% Done:	0%
Category:	Wiki	Estimated time:	0.00 hour
Target version:	0.8	Affected version:	0.7.3
Resolution:	Fixed		
Description			
After a couple of year the new version of RedCloth has been released at the end of July.			
Although a middle release was already available (called RedCloth 3.301 and available via --source http://code.whytheluckystiff.net) this is the first release > 3.0.4 available from RubyForge.			
It means every new user that will install RedCloth will have this release by default.			
Redmine 0.7.3 is not compatible with RedCloth > 3.0.4.			
This is because in Redmine extends RedCloth and assumes that RedCloth provides a <code>hard_breaks</code> accessor method but:			
<ul style="list-style-type: none">• RedCloth 3.301 doesn't provide <code>hard_breaks</code> method• RedCloth 4.x does but the main class is no longer RedCloth but RedCloth::TextileDoc			
Related issues:			
Related to Redmine - Defect #1714: Phusion Passenger and RailsSpawnMethod		Closed	2008-07-30

Associated revisions

Revision 1800 - 2008-09-11 19:19 - Jean-Philippe Lang

Renames bundled RedCloth to RedCloth3 to avoid RedCloth 4 to be loaded instead (#1754).

Revision 1836 - 2008-09-14 17:32 - Nicolas Chucho

r18536@gaspard (orig r1800): jplang | 2008-09-11 19:19:26 +0200

Renames bundled RedCloth to RedCloth3 to avoid RedCloth 4 to be loaded instead (#1754).

History

#1 - 2008-08-06 00:30 - Simone Carletti

I just noticed RedCloth lib is included in the lib folder.

For some reason (I guess because Rails loads it if available), the one installed in the server seems to take precedence thus Redmine is going to ignore the lib/RedCloth if an other release is installed.

```
ActionView::TemplateError (undefined method `hard_breaks=' for "Tagged release 0.9.1":Redmine::WikiFormatting:TextileFormatter) on line #21 of repositories/_revisions.rhtml:
```

```
18: <td class="checkbox"><%= radio_button_tag('rev_to', changeset.revision, (line_num==2), :id => "cbto-#{line_num}", :onclick => "if ($('#cb-#{line_num}').checked==true) {$('#cb-#{line_num-1}').checked=true;}") if show_diff && (line_num > 1) %></td>
```

```
19: <td class="committed_on"><%= format_time(changeset.committed_on) %></td>
```

```
20: <td class="author"><%=h changeset.committer.to_s.split('<').first %></td>
```

```
21: <td class="comments"><%= textilizable(changeset.comments) %></td>
```

```
22: </tr>
```

```
23: <% line_num += 1 %>
```

```
24: <% end %>
```

```
/home/redmine/releases/0.7.3/lib/redmine/wiki_formatting.rb:33:in `initialize'  
/home/redmine/releases/0.7.3/lib/redmine/wiki_formatting.rb:168:in `new'  
/home/redmine/releases/0.7.3/lib/redmine/wiki_formatting.rb:168:in `to_html'  
/home/redmine/releases/0.7.3/app/helpers/application_helper.rb:226:in `textilizable'  
/home/redmine/releases/0.7.3/app/views/repositories/_revisions.rhtml:21:in `_run_erb_47app47views47repositories47_revisions46rhtml'  
/home/redmine/releases/0.7.3/app/views/repositories/_revisions.rhtml:14:in `each'  
/home/redmine/releases/0.7.3/app/views/repositories/_revisions.rhtml:14:in `_run_erb_47app47views47repositories47_revisions46rhtml'  
/usr/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_view/helpers/capture_helper.rb:142:in `call'
```

```
/usr/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_view/helpers/capture_helper.rb:142:in `capture_erb
_with_buffer'
/usr/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_view/helpers/capture_helper.rb:44:in `capture'
/usr/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_view/helpers/form_tag_helper.rb:417:in `form_tag_i
n_block'
/usr/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_view/helpers/form_tag_helper.rb:39:in `form_tag'
/home/redmine/releases/0.7.3/app/views/repositories/_revisions.rhtml:1:in `__run_erb_47app47views47reposito
ries47_revisions46rhtml'
/usr/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_view/base.rb:637:in `send'
/usr/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_view/base.rb:637:in `compile_and_render_template'
/usr/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_view/base.rb:365:in `render_template'
/usr/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_view/base.rb:316:in `render_file'
/usr/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_view/base.rb:331:in `render'
/usr/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_view/partials.rb:120:in `render_partial'
/usr/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_view/base.rb:352:in `render'
/home/redmine/releases/0.7.3/app/views/repositories/show.rhtml:14:in `__run_erb_47app47views47repositories4
7show46rhtml'
/usr/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_view/base.rb:637:in `send'
/usr/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_view/base.rb:637:in `compile_and_render_template'
/usr/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_view/base.rb:365:in `render_template'
/usr/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_view/base.rb:316:in `render_file'
/usr/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_controller/base.rb:1100:in `render_for_file'
/usr/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_controller/base.rb:836:in `render_with_no_layout'
/usr/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_controller/layout.rb:262:in `render_without_benchm
ark'
/usr/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_controller/benchmarking.rb:51:in `render'
/usr/lib/ruby/1.8/benchmark.rb:293:in `measure'
/usr/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_controller/benchmarking.rb:51:in `render'
/usr/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_controller/base.rb:1153:in `default_render'
/usr/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_controller/base.rb:1159:in `perform_action_without
_filters'
/usr/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_controller/filters.rb:697:in `call_filters'
/usr/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_controller/filters.rb:689:in `perform_action_witho
ut_benchmark'
/usr/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_controller/benchmarking.rb:68:in `perform_action_w
ithout_rescue'
/usr/lib/ruby/1.8/benchmark.rb:293:in `measure'
/usr/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_controller/benchmarking.rb:68:in `perform_action_w
ithout_rescue'
/usr/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_controller/rescue.rb:199:in `perform_action_withou
t_caching'
/usr/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_controller/caching.rb:678:in `passenger_orig_perfo
rm_action'
/usr/lib/ruby/gems/1.8/gems/activerecord-2.0.2/lib/active_record/connection_adapters/abstract/query_cache.
rb:33:in `cache'
/usr/lib/ruby/gems/1.8/gems/activerecord-2.0.2/lib/active_record/query_cache.rb:8:in `cache'
/usr/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_controller/caching.rb:677:in `passenger_orig_perfo
rm_action'
/usr/lib/ruby/gems/1.8/gems/passenger-2.0.2/lib/passenger/railz/request_handler.rb:53:in `perform_action'
/usr/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_controller/base.rb:524:in `send'
/usr/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_controller/base.rb:524:in `process_without_filters'
,
/usr/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_controller/filters.rb:685:in `process_without_sess
ion_management_support'
/usr/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_controller/session_management.rb:123:in `process'
/usr/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_controller/base.rb:388:in `process'
/usr/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_controller/dispatcher.rb:171:in `handle_request'
/usr/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_controller/dispatcher.rb:115:in `dispatch'
/usr/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_controller/dispatcher.rb:126:in `dispatch CGI'
/usr/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_controller/dispatcher.rb:9:in `dispatch'
/usr/lib/ruby/gems/1.8/gems/passenger-2.0.2/lib/passenger/railz/request_handler.rb:38:in `process_request'
/usr/lib/ruby/gems/1.8/gems/passenger-2.0.2/lib/passenger/abstract_request_handler.rb:163:in `main_loop'
/usr/lib/ruby/gems/1.8/gems/passenger-2.0.2/lib/passenger/railz/application_spawner.rb:307:in `start_reque
st_handler'
/usr/lib/ruby/gems/1.8/gems/passenger-2.0.2/lib/passenger/railz/application_spawner.rb:276:in `handle_spaw
n_application'
/usr/lib/ruby/gems/1.8/gems/passenger-2.0.2/lib/passenger/Utils.rb:165:in `safe_fork'
/usr/lib/ruby/gems/1.8/gems/passenger-2.0.2/lib/passenger/Utils.rb:163:in `fork'
/usr/lib/ruby/gems/1.8/gems/passenger-2.0.2/lib/passenger/Utils.rb:163:in `safe_fork'
/usr/lib/ruby/gems/1.8/gems/passenger-2.0.2/lib/passenger/railz/application_spawner.rb:274:in `handle_spaw
n_application'
/usr/lib/ruby/gems/1.8/gems/passenger-2.0.2/lib/passenger/Utils.rb:165:in `safe_fork'
/usr/lib/ruby/gems/1.8/gems/passenger-2.0.2/lib/passenger/Utils.rb:163:in `fork'
/usr/lib/ruby/gems/1.8/gems/passenger-2.0.2/lib/passenger/Utils.rb:163:in `safe_fork'
/usr/lib/ruby/gems/1.8/gems/passenger-2.0.2/lib/passenger/railz/application_spawner.rb:273:in `handle_spaw
```

```

n_application'
  /usr/lib/ruby/gems/1.8/gems/passenger-2.0.2/lib/passenger/abstract_server.rb:317:in `__send__'
  /usr/lib/ruby/gems/1.8/gems/passenger-2.0.2/lib/passenger/abstract_server.rb:317:in `main_loop'
  /usr/lib/ruby/gems/1.8/gems/passenger-2.0.2/lib/passenger/abstract_server.rb:168:in `start_synchronously'
  /usr/lib/ruby/gems/1.8/gems/passenger-2.0.2/lib/passenger/abstract_server.rb:135:in `start'
  /usr/lib/ruby/gems/1.8/gems/passenger-2.0.2/lib/passenger/abstract_server.rb:112:in `fork'
  /usr/lib/ruby/gems/1.8/gems/passenger-2.0.2/lib/passenger/abstract_server.rb:112:in `start'
  /usr/lib/ruby/gems/1.8/gems/passenger-2.0.2/lib/passenger/railz/application_spawner.rb:177:in `start'
  /usr/lib/ruby/gems/1.8/gems/passenger-2.0.2/lib/passenger/railz/framework_spawner.rb:270:in `handle_spawn_
application'
  /usr/lib/ruby/gems/1.8/gems/passenger-2.0.2/lib/passenger/railz/framework_spawner.rb:263:in `synchronize'
  /usr/lib/ruby/gems/1.8/gems/passenger-2.0.2/lib/passenger/railz/framework_spawner.rb:263:in `handle_spawn_
application'
  /usr/lib/ruby/gems/1.8/gems/passenger-2.0.2/lib/passenger/abstract_server.rb:317:in `__send__'
  /usr/lib/ruby/gems/1.8/gems/passenger-2.0.2/lib/passenger/abstract_server.rb:317:in `main_loop'
  /usr/lib/ruby/gems/1.8/gems/passenger-2.0.2/lib/passenger/abstract_server.rb:168:in `start_synchronously'
  /usr/lib/ruby/gems/1.8/gems/passenger-2.0.2/lib/passenger/abstract_server.rb:135:in `start'
  /usr/lib/ruby/gems/1.8/gems/passenger-2.0.2/lib/passenger/abstract_server.rb:112:in `fork'
  /usr/lib/ruby/gems/1.8/gems/passenger-2.0.2/lib/passenger/abstract_server.rb:112:in `start'
  /usr/lib/ruby/gems/1.8/gems/passenger-2.0.2/lib/passenger/railz/framework_spawner.rb:87:in `start'
  /usr/lib/ruby/gems/1.8/gems/passenger-2.0.2/lib/passenger/spawn_manager.rb:224:in `spawn_rails_application'
'
  /usr/lib/ruby/gems/1.8/gems/passenger-2.0.2/lib/passenger/spawn_manager.rb:219:in `synchronize'
  /usr/lib/ruby/gems/1.8/gems/passenger-2.0.2/lib/passenger/spawn_manager.rb:219:in `spawn_rails_application'
'
  /usr/lib/ruby/gems/1.8/gems/passenger-2.0.2/lib/passenger/spawn_manager.rb:122:in `spawn_application'
  /usr/lib/ruby/gems/1.8/gems/passenger-2.0.2/lib/passenger/spawn_manager.rb:253:in `handle_spawn_applicatio
n'
  /usr/lib/ruby/gems/1.8/gems/passenger-2.0.2/lib/passenger/abstract_server.rb:317:in `__send__'
  /usr/lib/ruby/gems/1.8/gems/passenger-2.0.2/lib/passenger/abstract_server.rb:317:in `main_loop'
  /usr/lib/ruby/gems/1.8/gems/passenger-2.0.2/lib/passenger/abstract_server.rb:168:in `start_synchronously'
  /usr/lib/ruby/gems/1.8/gems/passenger-2.0.2/bin/passenger-spawn-server:46

```

Rendering /home/redmine/releases/0.7.3/public/500.html (500 Internal Server Error)

#2 - 2008-08-08 17:33 - Ignacio Carrera

I just added

```

require 'rubygems'
gem 'RedCloth', '3.0.4'

```

in config/environment.rb, just after Rails' bootstrap, to make it work.

-- nachokb

#3 - 2008-08-08 23:55 - Simone Carletti

Ignacio Carrera wrote:

I just added

[...]

in config/environment.rb, just after Rails' bootstrap, to make it work.

-- nachokb

I don't like this approach: it forces you to require an outdated library.

It can be used as a temporary workaround (I preferred the other way, I changed the base class extended by wiki formatter) but I would not suggest this as the final solution.

Additionally, it is prone to some side effects.

Because Rails loads RedCloth at initialization time before you require it, if you try to require it when the gem has already being loaded you may find yourself to deal with a "GEM already loaded" error.

#4 - 2008-08-11 19:44 - Jean-Philippe Lang

I think I should move the included and modified RedCloth to Redmine::RedCloth to prevent this kind of problem.

What do you think ?

#5 - 2008-08-13 14:45 - Simone Carletti

Jean-Philippe Lang wrote:

I think I should move the included and modified RedCloth to Redmine::RedCloth to prevent this kind of problem.
What do you think ?

That would be a possible solution, even if I don't really like it but just because RedCloth has been completely rewritten from scratch with a C parser and the new release it's now 30 times faster!

I started to work on a patch that was able to support both ≤ 3.3 , ~ 3.3 and $\geq 4.x$ but I found a small problem trying to integrate special functions `inline_auto_link`, `inline_auto_mailto`.

My idea was to try to use RedCloth as an external instance (as Rails does) instead of extending it. This solution limits compatibility issues because libraries tend to change internally but preserving API access.

I was basically working on a unique initializer

```
def initialize(string)
  @redcloth = RedCloth.new(args, [:filter_html, :no_span_caps]) # != 3.301 ignores restrictions
  @redcloth.hard_breaks = true if @redcloth.respond_to?("hard_breaks=") # != 3.301
end
```

and some Modules to be mixed into TextileFormatter depending on RedCloth version.

For instance, RedCloth ≥ 3.3 Module would include the `hard_break` patch

```
# Patch for RedCloth. Fixed in RedCloth r128 but _why hasn't released it yet.
# <a href="http://code.whytheluckystiff.net/redcloth/changeset/128">http://code.whytheluckystiff.net/redcloth/changeset/128</a>
def hard_break( text )
  text.gsub!( /(\.|\n|(?!\n|\Z|>| *(>? *[#*=]+\s|$\)|[{}])|/), "\\1<br />\n" ) if hard_breaks
end
```

but not those for RedCloth ≥ 3.3 .

However, because I don't really know the full Redmine structure, I stopped just to learn more about how Redmine calls WikiFormatter before taking bad design ways.

#6 - 2008-08-26 03:01 - Gerrit Kaiser

- File `redcloth-rename.patch` added

We worked around the problem by simply renaming the included RedCloth (Patch against [r1764](#) attached). That way at least Redmine can be run on systems with the RedCloth 4 gem installed.

#7 - 2008-08-28 05:00 - Dmitry Shaposhnik

I can confirm - after renaming it works well (with RubyEE and `mod_passenger`).

#8 - 2008-09-06 22:01 - Simone Carletti

I just want to let you know Rails 2.1.1 includes a nice change that could probably (partially) contribute to fix this issue.

- Add the gem load paths before the framework is loaded, so certain gems like RedCloth and BlueCloth can be frozen.

In other words, as soon as Redmine will support Rails 2.1 (if I'm not wrong Redmine 0.8 should be compatible with Rails 2.1), RedCloth GEM could be frozen within Redcloth distribution.

I would suggest to consider to upgrade support at least to RedCloth 4.0 that is exceptionally faster than the previous major release.

#9 - 2008-09-08 13:44 - Babar O'Cap

Just to say that **JRuby** is also not compatible with RedCloth $> 3.0.4$. for the moment.

#10 - 2008-09-11 19:12 - Jean-Philippe Lang

- Status changed from *New* to *Closed*

- Target version set to *0.8*

- Resolution set to *Fixed*

For now, I've renamed the bundled RedCloth to RedCloth3 as proposed by Gerrit.

Moving to RedCloth 4 is not planned yet. It would require some work to port the changes/improvements done on the bundled RedCloth. I have made a few tests, the performance improvement on an average ticket page is not so big. An alternative and considerably faster solution would be to cache the textile output.

Files

redcloth-rename.patch

75.7 KB

2008-08-26

Gerrit Kaiser