

Redmine - Defect #13449

memcached + i18n Problem

2013-03-12 16:07 - IT Admin Atrada

Status:	Closed	Start date:	
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:	i18n	Estimated time:	0.00 hour
Target version:		Affected version:	2.2.2
Resolution:	Invalid		

Description

I want to change my redmine to use memcached.

I do like <http://www.redmineblog.com/page2> and redmine run faster than before.

But when I want to go to "Administration -> Settings" or "My Account" I get an "Redmine error 500".

config/additional_environment.rb

```
# config/additional_environment.rb
#
config.gem 'memcached' # For other hosts
# config.gem 'memcached-northscale', :lib => 'memcached' # For Heroku.com
require 'memcached'
config.cache_store = :mem_cache_store, ::Memcached::Rails.new('127.0.0.1:1121')
```

log/production.log

```
ActionView::Template::Error (Key {"i18n/languages_options"=>"127.0.0.1:1121:8"}):
  3: <div class="box tabular settings">
  4: <p><%= setting_select :ui_theme, Redmine::Themes.themes.collect {|t| [t.name, t.id]}, :blank => :label_default, :label => :label_theme %></p>
  5:
  6: <p><%= setting_select :default_language, lang_options_for_select(false) %></p>
  7:
  8: <p><%= setting_select :start_of_week, [[day_name(1),'1'], [day_name(6),'6'], [day_name(7),'7']], :blank => :label_language_based %></p>
  9: <% locale = User.current.language.blank? ? ::I18n.locale : User.current.language %>
lib/redmine/i18n.rb:95:in `languages_options'
app/helpers/application_helper.rb:975:in `lang_options_for_select'
app/views/settings/_display.html.erb:6:in `block in _app_views_settings__display_html_erb___1813701505727690650_36871100'
app/views/settings/_display.html.erb:1:in `_app_views_settings__display_html_erb___1813701505727690650_36871100'
app/views/common/_tabs.html.erb:24:in `block in _app_views_common__tabs_html_erb___2743497495253920682_47075300'
app/views/common/_tabs.html.erb:23:in `each'
app/views/common/_tabs.html.erb:23:in `_app_views_common__tabs_html_erb___2743497495253920682_47075300'
app/helpers/application_helper.rb:263:in `render_tabs'
app/views/settings/edit.html.erb:3:in `_app_views_settings_edit_html_erb___3216536329719411937_46993280'
app/controllers/settings_controller.rb:26:in `index'
```

Apache error Log

```
cache error: Key {"https://nbg-dev03/redmine/settings?"=>"127.0.0.1:1121:8"}
/var/lib/gems/1.9.1/gems/memcached-1.5.0/lib/memcached/memcached.rb:630:in `reraise'
/var/lib/gems/1.9.1/gems/memcached-1.5.0/lib/memcached/memcached.rb:608:in `check_return_code'
/var/lib/gems/1.9.1/gems/memcached-1.5.0/lib/memcached/memcached.rb:517:in `get'
/var/lib/gems/1.9.1/gems/memcached-1.5.0/lib/memcached/rails.rb:50:in `get'
```

```
/var/lib/gems/1.9.1/gems/activesupport-3.2.11/lib/active_support/cache/mem_cache_store.rb:130:in `read_entry'  
/var/lib/gems/1.9.1/gems/activesupport-3.2.11/lib/active_support/cache/strategy/local_cache.rb:134:in `read_entry'  
/var/lib/gems/1.9.1/gems/activesupport-3.2.11/lib/active_support/cache/mem_cache_store.rb:187:in `read_entry'  
/var/lib/gems/1.9.1/gems/activesupport-3.2.11/lib/active_support/cache.rb:316:in `block in read'  
/var/lib/gems/1.9.1/gems/activesupport-3.2.11/lib/active_support/cache.rb:520:in `instrument'  
/var/lib/gems/1.9.1/gems/activesupport-3.2.11/lib/active_support/cache.rb:315:in `read'  
/var/lib/gems/1.9.1/gems/actionpack-3.2.11/lib/action_dispatch/http/rack_cache.rb:17:in `read'  
/var/lib/gems/1.9.1/gems/rack-cache-1.2/lib/rack/cache/metastore.rb:30:in `lookup'  
/var/lib/gems/1.9.1/gems/rack-cache-1.2/lib/rack/cache/context.rb:169:in `lookup'  
/var/lib/gems/1.9.1/gems/rack-cache-1.2/lib/rack/cache/context.rb:66:in `call!'  
/var/lib/gems/1.9.1/gems/rack-cache-1.2/lib/rack/cache/context.rb:51:in `call'  
/var/lib/gems/1.9.1/gems/railties-3.2.11/lib/rails/engine.rb:479:in `call'  
/var/lib/gems/1.9.1/gems/railties-3.2.11/lib/rails/application.rb:223:in `call'  
/var/lib/gems/1.9.1/gems/railties-3.2.11/lib/rails/railtie/configurable.rb:30:in `method_missing'  
/var/lib/gems/1.9.1/gems/passenger-3.0.17/lib/phusion_passenger/rack/request_handler.rb:96:in `process_request'  
/var/lib/gems/1.9.1/gems/passenger-3.0.17/lib/phusion_passenger/abstract_request_handler.rb:516:in `accept_and_process_next_request'  
/var/lib/gems/1.9.1/gems/passenger-3.0.17/lib/phusion_passenger/abstract_request_handler.rb:274:in `main_loop'  
/var/lib/gems/1.9.1/gems/passenger-3.0.17/lib/phusion_passenger/classic_rails/application_spawner.rb:321:in `start_request_handler'  
/var/lib/gems/1.9.1/gems/passenger-3.0.17/lib/phusion_passenger/classic_rails/application_spawner.rb:275:in `block in handle_spawn_application'  
/var/lib/gems/1.9.1/gems/passenger-3.0.17/lib/phusion_passenger/utils.rb:470:in `safe_fork'  
/var/lib/gems/1.9.1/gems/passenger-3.0.17/lib/phusion_passenger/classic_rails/application_spawner.rb:270:in `handle_spawn_application'  
/var/lib/gems/1.9.1/gems/passenger-3.0.17/lib/phusion_passenger/abstract_server.rb:357:in `server_main_loop'  
/var/lib/gems/1.9.1/gems/passenger-3.0.17/lib/phusion_passenger/abstract_server.rb:206:in `start_synchronously'  
/var/lib/gems/1.9.1/gems/passenger-3.0.17/lib/phusion_passenger/abstract_server.rb:180:in `start'  
/var/lib/gems/1.9.1/gems/passenger-3.0.17/lib/phusion_passenger/classic_rails/application_spawner.rb:149:in `start'  
/var/lib/gems/1.9.1/gems/passenger-3.0.17/lib/phusion_passenger/spawn_manager.rb:219:in `block (2 levels) in spawn_rails_application'  
/var/lib/gems/1.9.1/gems/passenger-3.0.17/lib/phusion_passenger/abstract_server_collection.rb:132:in `lookup_or_add'  
/var/lib/gems/1.9.1/gems/passenger-3.0.17/lib/phusion_passenger/spawn_manager.rb:214:in `block in spawn_rails_application'  
/var/lib/gems/1.9.1/gems/passenger-3.0.17/lib/phusion_passenger/abstract_server_collection.rb:82:in `block in synchronize'  
<internal:prelude>:10:in `synchronize'  
/var/lib/gems/1.9.1/gems/passenger-3.0.17/lib/phusion_passenger/abstract_server_collection.rb:79:in `synchronize'  
/var/lib/gems/1.9.1/gems/passenger-3.0.17/lib/phusion_passenger/spawn_manager.rb:213:in `spawn_rails_application'  
/var/lib/gems/1.9.1/gems/passenger-3.0.17/lib/phusion_passenger/spawn_manager.rb:132:in `spawn_application'  
/var/lib/gems/1.9.1/gems/passenger-3.0.17/lib/phusion_passenger/spawn_manager.rb:275:in `handle_spawn_application'  
/var/lib/gems/1.9.1/gems/passenger-3.0.17/lib/phusion_passenger/abstract_server.rb:357:in `server_main_loop'  
/var/lib/gems/1.9.1/gems/passenger-3.0.17/lib/phusion_passenger/abstract_server.rb:206:in `start_synchronously'  
/var/lib/gems/1.9.1/gems/passenger-3.0.17/helper-scripts/passenger-spawn-server:99:in `<main>'
```

Ruby-Version:

Ruby version	1.9.3 (x86_64-linux)
RubyGems version	1.8.11
Rack version	1.4
Rails version	3.2.11

```
Active Record version      3.2.11
Action Pack version        3.2.11
Active Resource version    3.2.11
Action Mailer version      3.2.11
Active Support version     3.2.11
Middleware                 Rack::Cache, ActionDispatch::Static, Rack::Lock, #<ActiveSupport::Cache:
:Strategy::LocalCache::Middleware:0x000000036076a8>, Rack::Runtime, Rack::MethodOverride, ActionDi
spatch::RequestId, Rails::Rack::Logger, ActionDispatch::ShowExceptions, ActionDispatch::DebugExcep
tions, ActionDispatch::RemoteIp, ActionDispatch::Callbacks, ActiveRecord::ConnectionAdapters::Conn
ectionManagement, ActiveRecord::QueryCache, ActionDispatch::Cookies, ActionDispatch::Session::Cook
ieStore, ActionDispatch::Flash, ActionDispatch::ParamsParser, ActionDispatch::Head, Rack::Conditio
nalGet, Rack::ETag, ActionDispatch::BestStandardsSupport, OpenIdAuthentication
Application root           /var/software/redmine-2.2.2
Environment                production
Database adapter           mysql2
Database schema version    20121026003537
```

Redmine-Version

```
Environment:
  Redmine version      2.2.2.stable
  Ruby version         1.9.3 (x86_64-linux)
  Rails version        3.2.11
  Environment          production
  Database adapter     Mysql2
Redmine plugins:
  redmine_extended_spent_time  0.0.3
  redmine_favourite_projects   0.6
  redmine_hudson               1.0.8
  redmine_issue_control_panel  0.3.0
  redmine_lightbox             0.0.1
  redmine_logs                 0.0.5
  redmine_monitoring_controlling 0.1.1
  redmine_mylyn_connector      2.8.2.stable
  redmine_wiki_extensions     0.6.1
  timesheet_plugin            0.6.0
```

History

#1 - 2013-03-25 09:30 - Etienne Massip

Try to clean your cache (rake tmp:cache:clear RAILS_ENV=production or similar)?

#2 - 2013-03-25 10:16 - Peter Höpfl

No, that doesn't help, just tried it out.

To me it looks like the `i18n` code within `lib/redmine/i18n.rb`, Line 95 got broken. Obviously this method does not work when you turn on memcached as cache store:

```
# The result is cached to prevent from loading all translations files.
def languages_options
  ActionController::Base.cache_store.fetch "i18n/languages_options" do
    valid_languages.map {|lang| [l(lang.to_s, :general_lang_name), lang.to_s]}.sort {|x,y| x$
  end
end
```

Unfortunately my rails knowledge is too limited to solve this, any idea what goes wrong?

#3 - 2013-03-25 10:34 - Etienne Massip

Try to map [Rails's Guide configuration](#) rather than the old blog one?

#4 - 2013-03-25 10:42 - Etienne Massip

Or use [Dalli](#) since it's supposed to replace the memcached-client gem Rails uses by default.

#5 - 2013-03-25 10:44 - Peter Höpfl

Thanks Etienne!

That did it:
Changed config to

```
config.cache_store = :mem_cache_store, "127.0.0.1:1121"
```

and everything works as expected.

I will tell my colleague to close the ticket, maybe you could trigger an update for the blog entry.

:~)

#6 - 2013-03-25 10:48 - Etienne Massip

- *Status changed from New to Closed*

- *Resolution set to Invalid*

Peter Höpfl wrote:

maybe you could trigger an update for the blog entry.

I can't but I added his author as watcher if he wants to.

The blog entry is quite old now and was written with Redmine < 2.x so it shouldn't be used as a reference anymore.