

SCM Creator (+Github) - Bug #2056

uninitialized constant RepositoryObserver

23 Jun 2012 23:51 - Rob Landry

Status:	Closed	Start date:	23 Jun 2012
Priority:	Normal	Due date:	29 Jun 2012
Assignee:	Andriy Lesyuk	% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:	0.4.1	External issue:	
Redmine version:	2.0.3		
Description I followed the wiki to install. when running rake redmine:plugins:migrate RAILS_ENV=production it errors out with this error rake aborted! uninitialized constant RepositoryObserver Trace attached			

History

#1 - 24 Jun 2012 09:36 - Andriy Lesyuk

- Status changed from New to Incomplete

What version of plugin are you using?

This error happened for [0.3.0](#) and has been fixed in [0.4.0](#)...

#2 - 24 Jun 2012 10:26 - Andriy Lesyuk

If version is [0.4.0](#), as I understood, this error happens only when executing rake redmine:plugins:migrate RAILS_ENV=production...

As a workaround you can comment line 14 of [source:init.rb](#), migrate, then uncomment and restart Redmine.

Please confirm the version and if the workaround works.

#3 - 24 Jun 2012 22:48 - Rob Landry

i am pretty sure the version is trunk as i checked it out. i am not sure where to find the version. Also the work around has failed. i get a passenger error page once restarting apache2 and loading the page.

Ruby on Rails application could not be started

These are the possible causes:

There may be a syntax error in the application's code. Please check for such errors and fix them.

A required library may not installed. Please install all libraries that this application requires.

The application may not be properly configured. Please check whether all configuration files are written correctly, fix any incorrect configurations, and restart this application.

A service that the application relies on (such as the database server or the Ferret search engine server) may not have been started. Please start that service.

Further information about the error may have been written to the application's log file. Please check it in order to analyse the problem.

Error message:
uninitialized constant RepositoryObserver

Exception class:
NameError

Application root:
/home/rob/www/redmine

Backtrace:

1. File Line Location

```
0 /home/rob/.rvm/gems/ruby-1.9.3-p194/gems/activerecord-3.2.6/lib/active_record/connection_adapters/abstract_adapter.rb 229 in `block in constantize'
1 /home/rob/.rvm/gems/ruby-1.9.3-p194/gems/activerecord-3.2.6/lib/active_record/connection_adapters/abstract_adapter.rb 228 in `each'
2 /home/rob/.rvm/gems/ruby-1.9.3-p194/gems/activerecord-3.2.6/lib/active_record/connection_adapters/abstract_adapter.rb 228 in `constantize'
3 /home/rob/.rvm/gems/ruby-1.9.3-p194/gems/activerecord-3.2.6/lib/active_record/connection_adapters/abstract_adapter.rb 54 in `constantize'
4 /home/rob/.rvm/gems/ruby-1.9.3-p194/gems/activerecord-3.2.6/lib/active_record/connection_adapters/abstract_adapter.rb 86 in `instantiate_observer'
5 /home/rob/.rvm/gems/ruby-1.9.3-p194/gems/activerecord-3.2.6/lib/active_record/connection_adapters/abstract_adapter.rb 59 in `block in instantiate_observers'
6 /home/rob/.rvm/gems/ruby-1.9.3-p194/gems/activerecord-3.2.6/lib/active_record/connection_adapters/abstract_adapter.rb 59 in `each'
7 /home/rob/.rvm/gems/ruby-1.9.3-p194/gems/activerecord-3.2.6/lib/active_record/connection_adapters/abstract_adapter.rb 59 in `instantiate_observers'
8 /home/rob/.rvm/gems/ruby-1.9.3-p194/gems/activerecord-3.2.6/lib/active_record/connection_adapters/abstract_adapter.rb 117 in `block (2 levels) in '
9 /home/rob/.rvm/gems/ruby-1.9.3-p194/gems/activerecord-3.2.6/lib/active_record/connection_adapters/abstract_adapter.rb 36 in `instance_eval'
10 /home/rob/.rvm/gems/ruby-1.9.3-p194/gems/activerecord-3.2.6/lib/active_record/connection_adapters/abstract_adapter.rb 36 in `execute_hook'
11 /home/rob/.rvm/gems/ruby-1.9.3-p194/gems/activerecord-3.2.6/lib/active_record/connection_adapters/abstract_adapter.rb 26 in `block in on_load'
12 /home/rob/.rvm/gems/ruby-1.9.3-p194/gems/activerecord-3.2.6/lib/active_record/connection_adapters/abstract_adapter.rb 25 in `each'
13 /home/rob/.rvm/gems/ruby-1.9.3-p194/gems/activerecord-3.2.6/lib/active_record/connection_adapters/abstract_adapter.rb 25 in `on_load'
14 /home/rob/.rvm/gems/ruby-1.9.3-p194/gems/activerecord-3.2.6/lib/active_record/connection_adapters/abstract_adapter.rb 116 in `block in '
15 /home/rob/.rvm/gems/ruby-1.9.3-p194/gems/activerecord-3.2.6/lib/active_record/connection_adapters/abstract_adapter.rb 34 in `call'
16 /home/rob/.rvm/gems/ruby-1.9.3-p194/gems/activerecord-3.2.6/lib/active_record/connection_adapters/abstract_adapter.rb 34 in `execute_hook'
17 /home/rob/.rvm/gems/ruby-1.9.3-p194/gems/activerecord-3.2.6/lib/active_record/connection_adapters/abstract_adapter.rb 43 in `block in run_load_hooks'
18 /home/rob/.rvm/gems/ruby-1.9.3-p194/gems/activerecord-3.2.6/lib/active_record/connection_adapters/abstract_adapter.rb 42 in `each'
19 /home/rob/.rvm/gems/ruby-1.9.3-p194/gems/activerecord-3.2.6/lib/active_record/connection_adapters/abstract_adapter.rb 42 in `run_load_hooks'
20 /home/rob/.rvm/gems/ruby-1.9.3-p194/gems/railties-3.2.6/lib/rails/application/finisher.rb 59 in `block in '
21 /home/rob/.rvm/gems/ruby-1.9.3-p194/gems/railties-3.2.6/lib/rails/application/finisher.rb 30 in `instance_exec'
22 /home/rob/.rvm/gems/ruby-1.9.3-p194/gems/railties-3.2.6/lib/rails/application/finisher.rb 30 in `run'
23 /home/rob/.rvm/gems/ruby-1.9.3-p194/gems/railties-3.2.6/lib/rails/application/finisher.rb 55 in `block in run_initializers'
24 /home/rob/.rvm/gems/ruby-1.9.3-p194/gems/railties-3.2.6/lib/rails/application/finisher.rb 54 in `each'
25 /home/rob/.rvm/gems/ruby-1.9.3-p194/gems/railties-3.2.6/lib/rails/application/finisher.rb 54 in `run_initializers'
26 /home/rob/.rvm/gems/ruby-1.9.3-p194/gems/railties-3.2.6/lib/rails/application/finisher.rb 136 in `initialize!'
27 /home/rob/.rvm/gems/ruby-1.9.3-p194/gems/railties-3.2.6/lib/rails/application/finisher.rb 30 in `method_missing'
28 /home/rob/.rvm/gems/ruby-1.9.3-p194/gems/passenger-3.0.13/lib/phusion_passenger/classic_rails/application_spawner.rb 222 in `require'
29 /home/rob/.rvm/gems/ruby-1.9.3-p194/gems/passenger-3.0.13/lib/phusion_passenger/classic_rails/application_spawner.rb 222 in `preload_application'
30 /home/rob/.rvm/gems/ruby-1.9.3-p194/gems/passenger-3.0.13/lib/phusion_passenger/classic_rails/application_spawner.rb 181 in `block in initialize_server'
31 /home/rob/.rvm/gems/ruby-1.9.3-p194/gems/passenger-3.0.13/lib/phusion_passenger/classic_rails/application_spawner.rb 572 in `report_app_init_status'
32 /home/rob/.rvm/gems/ruby-1.9.3-p194/gems/passenger-3.0.13/lib/phusion_passenger/classic_rails/application_spawner.rb 174 in `initialize_server'
33 /home/rob/.rvm/gems/ruby-1.9.3-p194/gems/passenger-3.0.13/lib/phusion_passenger/abstract_server.rb 204 in `start_synchronously'
34 /home/rob/.rvm/gems/ruby-1.9.3-p194/gems/passenger-3.0.13/lib/phusion_passenger/abstract_server.rb 180 in `start'
35 /home/rob/.rvm/gems/ruby-1.9.3-p194/gems/passenger-3.0.13/lib/phusion_passenger/classic_rails/application_spawner.rb 149 in `start'
36 /home/rob/.rvm/gems/ruby-1.9.3-p194/gems/passenger-3.0.13/lib/phusion_passenger/spawn_manager.rb 219 in `block (2 levels) in spawn_rails_application'
37 /home/rob/.rvm/gems/ruby-1.9.3-p194/gems/passenger-3.0.13/lib/phusion_passenger/abstract_server_collection.rb 132 in `lookup_or_add'
38 /home/rob/.rvm/gems/ruby-1.9.3-p194/gems/passenger-3.0.13/lib/phusion_passenger/spawn_manager.rb 214 in `block in spawn_rails_application'
39 /home/rob/.rvm/gems/ruby-1.9.3-p194/gems/passenger-3.0.13/lib/phusion_passenger/abstract_server_collection.rb 82 in `block in synchronize'
40 /home/rob/.rvm/gems/ruby-1.9.3-p194/gems/passenger-3.0.13/lib/phusion_passenger/abstract_server_collection.rb 79 in `synchronize'
41 /home/rob/.rvm/gems/ruby-1.9.3-p194/gems/passenger-3.0.13/lib/phusion_passenger/spawn_manager.rb 213 in `spawn_rails_application'
42 /home/rob/.rvm/gems/ruby-1.9.3-p194/gems/passenger-3.0.13/lib/phusion_passenger/spawn_manager.rb 132 in `spawn_application'
43 /home/rob/.rvm/gems/ruby-1.9.3-p194/gems/passenger-3.0.13/lib/phusion_passenger/spawn_manager.rb 275 in `handle_spawn_application'
44 /home/rob/.rvm/gems/ruby-1.9.3-p194/gems/passenger-3.0.13/lib/phusion_passenger/abstract_server.rb 357 in `server_main_loop'
45 /home/rob/.rvm/gems/ruby-1.9.3-p194/gems/passenger-3.0.13/lib/phusion_passenger/abstract_server.rb 206 in `start_synchronously'
46 /home/rob/.rvm/gems/ruby-1.9.3-p194/gems/passenger-3.0.13/helper-scripts/passenger-spawn-server 99 in ``
47
```

#4 - 24 Jun 2012 22:51 - Rob Landry

my configuration:

production:

deny_delete: false

auto_create: false

force_repository: false

pre_create: /usr/local/bin/pre-create.sh

post_create: /usr/local/bin/post-create.sh

pre_delete: /usr/local/bin/pre-delete.sh

post_delete: /usr/local/bin/post-delete.sh

max_repos: 0

only_creator: false

allow_add_local: false

allow_pickup: false

svn:

path: /repo/svn

svnadmin: /usr/bin/svnadmin

url: svn

git:

path: /repo/git

git: /usr/bin/git

options: --bare

url: <http://git.landry.me>

update_server_info: true

git_ext: true

append: trunk

mercurial:

path: /var/lib/mercurial

hg: /usr/bin/hg

bazaar:

path: /var/lib/bazaar

bzr: /usr/bin/bzr

init: init-repository

log_encoding: UTF-8

development:

#5 - 24 Jun 2012 22:58 - Andriy Lesyuk

The workaround should work only at the time of migration, that is, when you run `rake redmine:plugins:migrate RAILS_ENV=production...`

Replace the line with: `Rails.configuration.active_record.observers << :repository_observer`

However, in my case, `RepositoryObserver` does not work with this change (no error - just does not get called).

#6 - 24 Jun 2012 23:18 - Rob Landry

the db migration runs fine with this line `"#"` commented out. however after removing the comment, and restarting apache2 (redmine) with `sudo service apache2 restart` and then going to me base page `redmine.landry.me` i get the previously posted error.

#7 - 24 Jun 2012 23:19 - Andriy Lesyuk

I got it. Thanks! Weird, that it works for me...

#8 - 24 Jun 2012 23:24 - Rob Landry

well, what is different with my setup? that has to be the cause of the error if it works for you.

my full system specs are:

Ubuntu 12.04

Apache/2.2.22 (Ubuntu)

perl 5, version 14, subversion 2 (v5.14.2) built for i686-linux-gnu-thread-multi-64int

ruby 1.9.3p194 (2012-04-20 revision 35410) [i686-linux]

Phusion Passenger version 3.0.13

redmine 2.0.3

• LOCAL GEMS ***

actionmailer (3.2.6, 3.2.5)

actionpack (3.2.6, 3.2.5)

activemodel (3.2.6, 3.2.5)

activerecord (3.2.6, 3.2.5)

activeresource (3.2.6, 3.2.5)

activesupport (3.2.6, 3.2.5)

arel (3.0.2)

autotest-notification (2.3.4)

autotest-rails (4.1.2)

autotest-standalone (4.5.9)

bigdecimal (1.1.0)

builder (3.0.0)

bundler (1.1.4)

coderay (1.0.6)

daemon_controller (1.0.0)

diff-lcs (1.1.3)

erubis (2.7.0)

factory_girl (3.5.0)

factory_girl_rails (3.5.0)

fastercsv (1.5.5)

fastthread (1.0.7)

hike (1.2.1)

i18n (0.6.0)

journey (1.0.4)

json (1.7.3)

mail (2.4.4)

metaclass (0.0.1)

mime-types (1.19)

mocha (0.11.4)

multi_json (1.3.6)

mysql (2.8.1)

mysql2 (0.3.11)

net-ldap (0.3.1)

passenger (3.0.13)

pg (0.13.2)

polyglot (0.3.3)

prototype-rails (3.2.1)

rack (1.4.1)

rack-cache (1.2)

rack-openid (1.3.1)

rack-ssl (1.3.2)

rack-test (0.6.1)
rails (3.2.6, 3.2.5)
railties (3.2.6, 3.2.5)
rake (0.9.2.2)
rdoc (3.12)
rmagick (2.13.1)
rspec (1.3.0)
rspec-core (2.10.1)
rspec-expectations (2.10.0)
rspec-mocks (2.10.1)
rspec-rails (1.3.0)
ruby-openid (2.1.8)
rubygems-bundler (1.0.3)
rvm (1.11.3.4)
shoulda (2.11.3)
shoulda-matchers (1.2.0)
simplecov (0.6.4)
simplecov-html (0.5.3)
simplecov-rcov (0.2.3)
sprockets (2.1.3)
sqlite3 (1.3.6)
test-unit (2.5.0)
thor (0.15.3)
tilt (1.3.3)
treetop (1.4.10)
tzinfo (0.3.33)
yard (0.8.2.1)
ZenTest (4.8.1)

Anything else you think might be helpful?

#9 - 24 Jun 2012 23:37 - Andriy Lesyuk

well, what is different with my setup? that has to be the cause of the error if it works for you.

Don't think I'm going to leave this issue! Just thought aloud...

I'm using Redmine 2.0.0 but I don't think that's the reason! Because I actually used to get the same behaviour but after that for some reason is started to work... So I thought I have fixed it accidentally.

Anything else you think might be helpful?

Please try replacing the line with `Rails.configuration.active_record.observers << :repository_observer`. Also it would be cool if you could try deleting a repository created with SCM Creator and with `deny_delete` option set to false.

#10 - 25 Jun 2012 12:20 - Andriy Lesyuk

- Status changed from *Incomplete* to *In Progress*
- Assignee set to Andriy Lesyuk
- % Done changed from 0 to 50

Could you please first try the following:

Add `ActiveRecord::Base.instantiate_observers` below `ActiveRecord::Base.observers << :repository_observer`? E.g.

```
...
Rails.logger.info 'Starting SCM Creator Plugin for Redmine'

ActiveRecord::Base.observers << :repository_observer
ActiveRecord::Base.instantiate_observers

Rails.configuration.to_prepare do
  ...
```

See: <http://railsforum.com/viewtopic.php?id=19305>

Other options:

- Move `ActiveRecord::Base.observers << :repository_observer` at the end of `init.rb` file.
- Put it inside `config.after_initialize` do like here:
https://github.com/cjAdvertising/redmine_git_hosting/commit/7e9f46b338d9359a1956850f99a817b844667e0d#init.rb

#11 - 25 Jun 2012 16:52 - Rob Landry

Adding `ActiveRecord::Base.instantiate_observers` below `ActiveRecord::Base.observers << :repository_observer` causes same error

Moving to end of file causes same error

Adding to:

```
# initialize observer
config.after_initialize do
  ActiveRecord::Base.observers = ActiveRecord::Base.observers << GitHosti$
end
```

causes this error:

rake aborted!

undefined local variable or method `config' for main:Object

#12 - 25 Jun 2012 16:57 - Andriy Lesyuk

What about:

```
# initialize observer
Rails.configuration.after_initialize do
  ActiveRecord::Base.observers = ActiveRecord::Base.observers << GitHosti$
end
```

?

And please try: `Rails.configuration.active_record.observers << :repository_observer` + deleting a repository (see above).

#13 - 25 Jun 2012 17:03 - Rob Landry

With this

```
# initialize observer
Rails.configuration.after_initialize do
  ActiveRecord::Base.observers = ActiveRecord::Base.observers << :repository_observer
end
```

Allowed Rake to complete!

Now to see if everything works as expected.

#14 - 25 Jun 2012 17:22 - Rob Landry

Not sure if related, but now i get an error when trying to add a new project. this occurs using the same config previously posted.

#15 - 25 Jun 2012 17:36 - Rob Landry

```
rake db:migrate:plugin NAME=scm_creator VERSION=0 RAILS_ENV=production  
(in /home/rob/www/redmine)  
Plugin scm_creator was not found.
```

i am not sure that the db was actually updated. however i do see the plugin listed under plugins, just cannot add a new project.

#16 - 25 Jun 2012 20:29 - Andriy Lesyuk

```
rake db:migrate:plugin NAME=scm_creator VERSION=0 RAILS_ENV=production
```

Just remove the plugin's directory – no need to clean database...

Not sure if related, but now i get an error when trying to add a new project. this occurs using the same config previously posted.

There should be error in logs – what is it?

#17 - 26 Jun 2012 23:11 - Andriy Lesyuk

Now to see if everything works as expected.

Ok, for me, RepositoryObserver does not get called...

#18 - 26 Jun 2012 23:17 - Andriy Lesyuk

- Target version set to 0.4.1

#19 - 27 Jun 2012 16:54 - Andriy Lesyuk

Just another link: <http://riotprojects.com/post/106808946/activerecord-observers-in-gems-plugins>

Have some new ideas... Not sure how to test though... Hope you will help me?

Anyone else experiencing the same issue?...

#20 - 27 Jun 2012 20:15 - Rob Landry

Willing to help. Just let me know what you need.

#21 - 28 Jun 2012 12:09 - Andriy Lesyuk

- % Done changed from 50 to 90

Please try the latest code from SVN. I believe the issue should be fixed now! Need your confirmation.

#22 - 29 Jun 2012 15:02 - Andriy Lesyuk

P.S. Our discussion brought me to the idea: [#2079](#)...

#23 - 29 Jun 2012 16:15 - Rob Landry

Great success! Works great. Looks like you found the issue and fixed it. Thank you.

#24 - 29 Jun 2012 16:24 - Andriy Lesyuk

- Due date set to 29 Jun 2012

- % Done changed from 90 to 100

Great success! Works great. Looks like you found the issue and fixed it. Thank you.

Thank you, [Rob](#)!

#25 - 29 Jun 2012 16:25 - Andriy Lesyuk

- Status changed from In Progress to Closed

#26 - 29 Jun 2012 16:28 - Rob Landry

Very welcome. Thank you for the plugin. Now if i could only get some of your other plugins working like open id fix...

Files

trace.txt	6.49 KB	23 Jun 2012	Rob Landry
-----------	---------	-------------	------------