Redmine - Defect #15849

Redmine:Fetch_Changesets Single-inheritance issue in subclass "Repository:Git"

2014-01-10 18:08 - Martin Seener

Status:	Closed		**Start date:**	
Priority:	High		**Due date:**	
Assignee:			**% Done:**	0%
Category:	SCM		**Estimated time:**	0.00 hour
Target version:	2.4.3			
Resolution:	Fixed		**Affected version:**	2.4.2

Description

Hi,

today we "migrated" our Redmine Environment from 2.3.1-devel to latest 2.4.2-stable. But we didnt upgrade the old one but instead i made a new installation and linked to it. i copied the files, database.yml and configuration.yml (we have now plugins or themes). then i made the rake generate_secret_token and rake db:migrate RAILS_ENV=production and it indeed did a migration.

Now Redmine runs but i cannot do the fetch_changesets rake task. (Error below!). We`re using Debian Wheezy with RVM 1.17.9 and ruby 1.9.3p362 and i also did a successfuly bundle install. also the user permissions are set as advised.

Redmine itself runs, but not the following task, which worked in the older version:

```
bundle exec rake redmine:fetch_changesets RAILS_ENV=production
```

Error:

```
rake aborted!
The single-table inheritance mechanism failed to locate the subclass: 'Repository::Git'. This erro
r is raised because the column 'type' is reserved for storing the class in case of inheritance. Pl
ease rename this column if you didn't intend it to be used for storing the inheritance class or ov
erwrite Repository.inheritance_column to use another column for that information.
/usr/local/rvm/gems/ruby-1.9.3-p362/gems/activerecord-3.2.16/lib/active_record/inheritance.rb:143:
in `rescue in find_sti_class'
/usr/local/rvm/gems/ruby-1.9.3-p362/gems/activerecord-3.2.16/lib/active_record/inheritance.rb:136:
in `find_sti_class'
/usr/local/rvm/gems/ruby-1.9.3-p362/gems/activerecord-3.2.16/lib/active_record/inheritance.rb:62:i
n `instantiate'
/usr/local/rvm/gems/ruby-1.9.3-p362/gems/activerecord-3.2.16/lib/active_record/querying.rb:38:in `
block (2 levels) in find_by_sql'
/usr/local/rvm/gems/ruby-1.9.3-p362/gems/activerecord-3.2.16/lib/active_record/querying.rb:38:in `
collect!'
/usr/local/rvm/gems/ruby-1.9.3-p362/gems/activerecord-3.2.16/lib/active_record/querying.rb:38:in `
block in find_by_sql'
/usr/local/rvm/gems/ruby-1.9.3-p362/gems/activerecord-3.2.16/lib/active_record/explain.rb:41:in `l
ogging_query_plan'
/usr/local/rvm/gems/ruby-1.9.3-p362/gems/activerecord-3.2.16/lib/active_record/querying.rb:37:in `
find_by_sql'
/usr/local/rvm/gems/ruby-1.9.3-p362/gems/activerecord-3.2.16/lib/active_record/relation.rb:171:in
`exec_queries'
/usr/local/rvm/gems/ruby-1.9.3-p362/gems/activerecord-3.2.16/lib/active_record/relation.rb:160:in
`block in to_a'
/usr/local/rvm/gems/ruby-1.9.3-p362/gems/activerecord-3.2.16/lib/active_record/explain.rb:41:in `l
ogging_query_plan'
/usr/local/rvm/gems/ruby-1.9.3-p362/gems/activerecord-3.2.16/lib/active_record/relation.rb:159:in
`to_a'
/usr/local/rvm/gems/ruby-1.9.3-p362/gems/activerecord-3.2.16/lib/active_record/relation/finder_met
hods.rb:159:in `all'
/usr/local/rvm/gems/ruby-1.9.3-p362/gems/activerecord-3.2.16/lib/active_record/associations/collec
tion_association.rb:382:in `find_target'
/usr/local/rvm/gems/ruby-1.9.3-p362/gems/activerecord-3.2.16/lib/active_record/associations/collec
tion_association.rb:335:in `load_target'
```

```
/usr/local/rvm/gems/ruby-1.9.3-p362/gems/activerecord-3.2.16/lib/active_record/associations/collec
tion_proxy.rb:44:in `load_target'
/usr/local/rvm/gems/ruby-1.9.3-p362/gems/activerecord-3.2.16/lib/active_record/associations/collec
tion_proxy.rb:89:in `method_missing'
/var/www/redmine-2.4.2/app/models/repository.rb:330:in `block in fetch_changesets'
/var/www/redmine-2.4.2/app/models/repository.rb:329:in `each'
/var/www/redmine-2.4.2/app/models/repository.rb:329:in `fetch_changesets'
/var/www/redmine-2.4.2/lib/tasks/redmine.rake:47:in `block (2 levels) in <top (required)>'
/usr/local/rvm/gems/ruby-1.9.3-p362/bin/ruby_noexec_wrapper:14:in `eval'
/usr/local/rvm/gems/ruby-1.9.3-p362/bin/ruby_noexec_wrapper:14:in `<main>'
Tasks: TOP => redmine:fetch_changesets
(See full trace by running task with --trace)
```

Related issues:

Related to Redmine - Defect #15756: 500 on admin info/settings page on develo...	**Closed**

History

#1 - 2014-01-14 11:23 - Christopher Maximov

Same here. Redmin 2.4.2 stable using Mercurial repository. Getting this:

The single-table inheritance mechanism failed to locate the subclass: 'Repository::Mercurial'.

Just like in the original post for git.

#2 - 2014-01-14 15:03 - Martin Seener

Added the same command with --trace:

```
root@server:/var/www/redmine# RAILS_ENV=production; bundle exec rake redmine:fetch_changesets  --trace
** Invoke redmine:fetch_changesets (first_time)
** Invoke environment (first_time)
** Execute environment
** Execute redmine:fetch_changesets
rake aborted!
The single-table inheritance mechanism failed to locate the subclass: 'Repository::Git'. This error is raised
because the column 'type' is reserved for storing the class in case of inheritance. Please rename this column
if you didn't intend it to be used for storing the inheritance class or overwrite Repository.inheritance_colum
n to use another column for that information.
/usr/local/rvm/gems/ruby-1.9.3-p362/gems/activerecord-3.2.16/lib/active_record/inheritance.rb:143:in `rescue i
n find_sti_class'
/usr/local/rvm/gems/ruby-1.9.3-p362/gems/activerecord-3.2.16/lib/active_record/inheritance.rb:136:in `find_sti
_class'
/usr/local/rvm/gems/ruby-1.9.3-p362/gems/activerecord-3.2.16/lib/active_record/inheritance.rb:62:in `instantia
te'
/usr/local/rvm/gems/ruby-1.9.3-p362/gems/activerecord-3.2.16/lib/active_record/querying.rb:38:in `block (2 lev
els) in find_by_sql'
/usr/local/rvm/gems/ruby-1.9.3-p362/gems/activerecord-3.2.16/lib/active_record/querying.rb:38:in `collect!'
/usr/local/rvm/gems/ruby-1.9.3-p362/gems/activerecord-3.2.16/lib/active_record/querying.rb:38:in `block in fin
d_by_sql'
/usr/local/rvm/gems/ruby-1.9.3-p362/gems/activerecord-3.2.16/lib/active_record/explain.rb:41:in `logging_query
_plan'
/usr/local/rvm/gems/ruby-1.9.3-p362/gems/activerecord-3.2.16/lib/active_record/querying.rb:37:in `find_by_sql'
/usr/local/rvm/gems/ruby-1.9.3-p362/gems/activerecord-3.2.16/lib/active_record/relation.rb:171:in `exec_querie
s'
/usr/local/rvm/gems/ruby-1.9.3-p362/gems/activerecord-3.2.16/lib/active_record/relation.rb:160:in `block in to
_a'
/usr/local/rvm/gems/ruby-1.9.3-p362/gems/activerecord-3.2.16/lib/active_record/explain.rb:41:in `logging_query
_plan'
/usr/local/rvm/gems/ruby-1.9.3-p362/gems/activerecord-3.2.16/lib/active_record/relation.rb:159:in `to_a'
/usr/local/rvm/gems/ruby-1.9.3-p362/gems/activerecord-3.2.16/lib/active_record/relation/finder_methods.rb:159:
in `all'
/usr/local/rvm/gems/ruby-1.9.3-p362/gems/activerecord-3.2.16/lib/active_record/associations/collection_associa
tion.rb:382:in `find_target'
/usr/local/rvm/gems/ruby-1.9.3-p362/gems/activerecord-3.2.16/lib/active_record/associations/collection_associa
tion.rb:335:in `load_target'
/usr/local/rvm/gems/ruby-1.9.3-p362/gems/activerecord-3.2.16/lib/active_record/associations/collection_proxy.r
b:44:in `load_target'
/usr/local/rvm/gems/ruby-1.9.3-p362/gems/activerecord-3.2.16/lib/active_record/associations/collection_proxy.r
b:89:in `method_missing'
/var/www/redmine-2.4.2/app/models/repository.rb:330:in `block in fetch_changesets'
/var/www/redmine-2.4.2/app/models/repository.rb:329:in `each'
/var/www/redmine-2.4.2/app/models/repository.rb:329:in `fetch_changesets'
```

```
/var/www/redmine-2.4.2/lib/tasks/redmine.rake:47:in `block (2 levels) in <top (required)>'
/usr/local/rvm/gems/ruby-1.9.3-p362/gems/rake-10.1.1/lib/rake/task.rb:236:in `call'
/usr/local/rvm/gems/ruby-1.9.3-p362/gems/rake-10.1.1/lib/rake/task.rb:236:in `block in execute'
/usr/local/rvm/gems/ruby-1.9.3-p362/gems/rake-10.1.1/lib/rake/task.rb:231:in `each'
/usr/local/rvm/gems/ruby-1.9.3-p362/gems/rake-10.1.1/lib/rake/task.rb:231:in `execute'
/usr/local/rvm/gems/ruby-1.9.3-p362/gems/rake-10.1.1/lib/rake/task.rb:175:in `block in invoke_with_call_chain'
/usr/local/rvm/rubies/ruby-1.9.3-p362/lib/ruby/1.9.1/monitor.rb:211:in `mon_synchronize'
/usr/local/rvm/gems/ruby-1.9.3-p362/gems/rake-10.1.1/lib/rake/task.rb:168:in `invoke_with_call_chain'
/usr/local/rvm/gems/ruby-1.9.3-p362/gems/rake-10.1.1/lib/rake/task.rb:161:in `invoke'
/usr/local/rvm/gems/ruby-1.9.3-p362/gems/rake-10.1.1/lib/rake/application.rb:149:in `invoke_task'
/usr/local/rvm/gems/ruby-1.9.3-p362/gems/rake-10.1.1/lib/rake/application.rb:106:in `block (2 levels) in top_l
evel'
/usr/local/rvm/gems/ruby-1.9.3-p362/gems/rake-10.1.1/lib/rake/application.rb:106:in `each'
/usr/local/rvm/gems/ruby-1.9.3-p362/gems/rake-10.1.1/lib/rake/application.rb:106:in `block in top_level'
/usr/local/rvm/gems/ruby-1.9.3-p362/gems/rake-10.1.1/lib/rake/application.rb:115:in `run_with_threads'
/usr/local/rvm/gems/ruby-1.9.3-p362/gems/rake-10.1.1/lib/rake/application.rb:100:in `top_level'
/usr/local/rvm/gems/ruby-1.9.3-p362/gems/rake-10.1.1/lib/rake/application.rb:78:in `block in run'
/usr/local/rvm/gems/ruby-1.9.3-p362/gems/rake-10.1.1/lib/rake/application.rb:165:in `standard_exception_handli
ng'
/usr/local/rvm/gems/ruby-1.9.3-p362/gems/rake-10.1.1/lib/rake/application.rb:75:in `run'
/usr/local/rvm/gems/ruby-1.9.3-p362/gems/rake-10.1.1/bin/rake:33:in `<top (required)>'
/usr/local/rvm/gems/ruby-1.9.3-p362/bin/rake:19:in `load'
/usr/local/rvm/gems/ruby-1.9.3-p362/bin/rake:19:in `<main>'
/usr/local/rvm/gems/ruby-1.9.3-p362/bin/ruby_noexec_wrapper:14:in `eval'
/usr/local/rvm/gems/ruby-1.9.3-p362/bin/ruby_noexec_wrapper:14:in `<main>'
Tasks: TOP => redmine:fetch_changesets
```

#3 - 2014-01-14 15:23 - Martin Seener

I tried a bit around with my rails colleague and we found out that we dont know whats going on.

We are easily able to start the rails console and the rake task from within without issues.

```
bundle exec rails c production
```

and then the rake task (from the redmine.rake file)

```
Repository.fetch_changesets
```

and it goes trough without an error. Thats weird.

Update 5:55pm:

We tried our own Rake Task which is the file foo.rake in lib/tasks with following content:

```
namespace :foo do
  task :bar => :environment do
    Repository.fetch_changesets
  end
end
```

and then executed with the following command brings the exakt same error. so it maybe is something wrong with the rake environment??

```
bundle exec rake foo:bar RAILS_ENV=production
```

#4 - 2014-01-15 11:21 - Martin Seener

We tried setting up Redmine 2.4.2 from scratch, added a new DB with own seed data and then only added an existing git repo to a new project. Even then the rake task fails!

But we figured out a workaround which may also work for other SCMs. Our Cronjob now looks like this (we dont use rake anymore):

```
*/3 8-23 * * * cd /var/www/redmine && echo "Repository.fetch_changesets" | bundle exec rails c production >/de
v/null 2>&1
```

With this, we just pipe the command to fetch the changes directly into the rails console, which works great and does not use rake.

#5 - 2014-01-22 21:34 - Francois Lachance

Hi there, I got "almost the same problem". First, I'm using SVN instead of GIT.
Then, I decide to try your solution and seem to be working but got this error a little bit down the line:

```
NoMethodError: undefined method `created_on' for #<Repository::Subversion:0x000000060d2798>
        from /var/lib/gems/1.9.1/gems/activemodel-3.2.16/lib/active_model/attribute_methods.rb:407:in `method_
missing'
        from /var/lib/gems/1.9.1/gems/activerecord-3.2.16/lib/active_record/attribute_methods.rb:149:in `metho
d_missing'
        from /var/www/redmine/app/models/changeset.rb:136:in `block (2 levels) in scan_comment_for_issue_ids'
        from /var/www/redmine/app/models/changeset.rb:131:in `each'
        from /var/www/redmine/app/models/changeset.rb:131:in `block in scan_comment_for_issue_ids'
        from /var/www/redmine/app/models/changeset.rb:127:in `scan'
        from /var/www/redmine/app/models/changeset.rb:127:in `scan_comment_for_issue_ids'
        from /var/www/redmine/app/models/changeset.rb:100:in `scan_for_issues'
        from /var/lib/gems/1.9.1/gems/activesupport-3.2.16/lib/active_support/callbacks.rb:432:in `_run__15157
58292348163996__create__3917711451105029760__callbacks'
        from /var/lib/gems/1.9.1/gems/activesupport-3.2.16/lib/active_support/callbacks.rb:405:in `__run_callb
ack'
        from /var/lib/gems/1.9.1/gems/activesupport-3.2.16/lib/active_support/callbacks.rb:385:in `_run_create
_callbacks'
        from /var/lib/gems/1.9.1/gems/activesupport-3.2.16/lib/active_support/callbacks.rb:81:in `run_callback
s'
        from /var/lib/gems/1.9.1/gems/activerecord-3.2.16/lib/active_record/callbacks.rb:268:in `create'
        from /var/lib/gems/1.9.1/gems/activerecord-3.2.16/lib/active_record/persistence.rb:348:in `create_or_u
pdate'
        from /var/lib/gems/1.9.1/gems/activerecord-3.2.16/lib/active_record/callbacks.rb:264:in `block in crea
te_or_update'
        from /var/lib/gems/1.9.1/gems/activesupport-3.2.16/lib/active_support/callbacks.rb:436:in `_run__15157
58292348163996__save__3917711451105029760__callbacks'
... 19 levels...
        from /var/lib/gems/1.9.1/gems/activerecord-3.2.16/lib/active_record/transactions.rb:250:in `transactio
n'
        from /var/www/redmine/app/models/repository/subversion.rb:71:in `block in fetch_changesets'
        from /var/www/redmine/app/models/repository/subversion.rb:70:in `reverse_each'
        from /var/www/redmine/app/models/repository/subversion.rb:70:in `fetch_changesets'
        from /var/www/redmine/app/models/repository.rb:332:in `block (2 levels) in fetch_changesets'
        from /var/lib/gems/1.9.1/gems/activerecord-3.2.16/lib/active_record/associations/collection_proxy.rb:9
1:in `each'
        from /var/lib/gems/1.9.1/gems/activerecord-3.2.16/lib/active_record/associations/collection_proxy.rb:9
1:in `method_missing'
        from /var/www/redmine/app/models/repository.rb:330:in `block in fetch_changesets'
        from /var/www/redmine/app/models/repository.rb:329:in `each'
        from /var/www/redmine/app/models/repository.rb:329:in `fetch_changesets'
        from (irb):1
        from /var/lib/gems/1.9.1/gems/railties-3.2.16/lib/rails/commands/console.rb:47:in `start'
        from /var/lib/gems/1.9.1/gems/railties-3.2.16/lib/rails/commands/console.rb:8:in `start'
        from /var/lib/gems/1.9.1/gems/railties-3.2.16/lib/rails/commands.rb:41:in `<top (required)>'
        from script/rails:6:in `require'
        from script/rails:6:in `<main>'
```

And It is about the same problem when using the repository tab inside Redmine ! Should I open a new ticket ? Someone know why I got a NoMethodError: undefined method `created_on' for #<Repository::Subversion:0x000000060d2798> ?

#6 - 2014-01-29 14:37 - Gregor K

I have the same problem with SNV, please find a fix for this.

#7 - 2014-01-29 14:39 - Daniel Felix

Did you run all database migrations? It seems that the column "created_on" is missing.

#8 - 2014-01-29 16:11 - Francois Lachance

- File Defect15849_db_structure.PNG added

You seem to be right (see attached picture of my DB structure surrounding repository.
However, this is the list of command I ran to update redmine (Debian 7):

```
  338  mysql -uroot -pxxxxxxxx redmine_default < /mnt/svnbak/redmine_db_latest.sql
  339  history | more
  340  cd ..
  341  rake db:migrate RAILS_ENV=production
  342  ll
  343  history | more
  344  rake redmine:plugins:migrate RAILS_ENV=production
```

```
345   rake db:migrate RAILS_ENV=production
346   history | more
347   rake tmp:cache:clear
348   rake tmp:sessions:clear
349   service apache2 start
```

Can you tell me on which table and what is the type of the column "created_on" so I can try to add it manually and try again please;
many thanks
Francois L

#9 - 2014-02-02 09:20 - A B

It appears that r12389 was the change that broke this. The following patch partially reverts this and fixes the issue for us (note: this is unlikely to be the real fix, as the CommandFailed class definition is now duplicated, which doesn't bother ruby per se but is ugly nevertheless):

```
--- ./lib/redmine/scm/adapters/abstract_adapter.rb.orig    2014-02-02 00:10:30.391088211 -0800
+++ ./lib/redmine/scm/adapters/abstract_adapter.rb    2014-02-02 00:02:16.051390905 -0800
@@ -24,6 +24,9 @@
 module Redmine
   module Scm
     module Adapters
+      class CommandFailed < StandardError #:nodoc:
+      end
+
       class AbstractAdapter #:nodoc:

          # raised if scm command exited with error, e.g. unknown revision.
```

#10 - 2014-02-02 09:35 - Toshi MARUYAMA

- Related to Defect #15756: 500 on admin info/settings page on development environment added

#11 - 2014-02-02 09:42 - Toshi MARUYAMA

- Status changed from New to Closed

- Target version set to 2.4.3

I have confirmed this error on 2.4.2.
I have confirmed this error was fixed on 2.4-stable by #15756.

#12 - 2014-02-02 09:43 - Toshi MARUYAMA

- Resolution set to Fixed

Files

Defect15849_db_structure.PNG	16.7 KB	2014-01-29	Francois Lachance