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 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_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:in `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 `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_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 `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_association.rb:382:in `find_target'
    /usr/local/rvm/gems/ruby-1.9.3-p362/gems/activerecord-3.2.16/lib/active_record/associations/collection_association.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.rb:44:in `load_target'
    /usr/local/rvm/gems/ruby-1.9.3-p362/gems/activerecord-3.2.16/lib/active_record/associations/collection_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 devel...	**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_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:in `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 `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_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 `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_association.rb:382:in `find_target'
/usr/local/rvm/gems/ruby-1.9.3-p362/gems/activerecord-3.2.16/lib/active_record/associations/collection_association.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.rb:44:in `load_target'

/usr/local/rvm/gems/ruby-1.9.3-p362/gems/activerecord-3.2.16/lib/active_record/associations/collection_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/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_level'

/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_handling'

/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 >/dev/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 `method_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__1515758292348163996__create__3917711451105029760__callbacks'
      from /var/lib/gems/1.9.1/gems/activesupport-3.2.16/lib/active_support/callbacks.rb:405:in `__run_callback'
      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_callbacks'
      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_update'
      from /var/lib/gems/1.9.1/gems/activerecord-3.2.16/lib/active_record/callbacks.rb:264:in `block in create_or_update'
      from /var/lib/gems/1.9.1/gems/activesupport-3.2.16/lib/active_support/callbacks.rb:436:in
`_run__1515758292348163996__save__3917711451105029760__callbacks'
... 19 levels...
```

from /var/lib/gems/1.9.1/gems/activerecord-3.2.16/lib/active_record/transactions.rb:250:in `transaction'

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:91:in `each'

from /var/lib/gems/1.9.1/gems/activerecord-3.2.16/lib/active_record/associations/collection_proxy.rb:91: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 version: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