

ChiliProject - Bug # 554: Failed to migrate from 1.2.0 to 2.1.0 with Ruby 1.9.2

Status:	Closed	Priority:	Normal
Author:	Aleksey Zapparov	Category:	Versions
Created:	2011-07-31	Assignee:	Felix Schäfer
Updated:	2011-11-08	Due date:	
Remote issue URL:			
Affected version:	master		
Description:	Subj with error stack trace: <pre> \$ rake db:migrate --trace ** Invoke db:migrate (first_time) ** Invoke environment (first_time) ** Execute environment ** Execute db:migrate == BuildInitialJournalsForActsAsJournalized: migrating ===== -- Building initial journals for Message -> 0.0005s -- Building initial journals for Attachment -> 0.2226s -- Building initial journals for Document -> 0.0696s -- Building initial journals for Changeset rake aborted! An error has occurred, all later migrations canceled: Change(#41809520) expected, got Array(#9999580) /home/ixti/.rvm/gems/ruby-1.9.2-p180/gems/activerecord-2.3.12/lib/active_record/associations/association_proxy.rb:259:in `raise_on_type_mismatch' /home/ixti/.rvm/gems/ruby-1.9.2-p180/gems/activerecord-2.3.12/lib/active_record/associations/association_collection.rb:321:in `block in replace' /home/ixti/.rvm/gems/ruby-1.9.2-p180/gems/activerecord-2.3.12/lib/active_record/associations/association_collection.rb:321:in `each' /home/ixti/.rvm/gems/ruby-1.9.2-p180/gems/activerecord-2.3.12/lib/active_record/associations/association_collection.rb:321:in `replace' /home/ixti/.rvm/gems/ruby-1.9.2-p180/gems/activerecord-2.3.12/lib/active_record/associations.rb:1331:in `block in collection_accessor_methods' /home/ixti/.rvm/gems/ruby-1.9.2-p180/gems/activerecord-2.3.12/lib/active_record/associations/association_proxy.rb:149:in `send' /home/ixti/projects/app/models/journal.rb:111:in `method_missing' /home/ixti/projects/vendor/plugins/acts_as_journalized/lib/redmine/acts/journalized/creation.rb:91:in `recreate_initial_journal!' db/migrate//20100714111653_build_initial_journals_for_acts_as_journalized.rb:44:in `block (3 levels) in up' db/migrate//20100714111653_build_initial_journals_for_acts_as_journalized.rb:40:in `each' db/migrate//20100714111653_build_initial_journals_for_acts_as_journalized.rb:40:in `block (2 levels) in up' /home/ixti/.rvm/gems/ruby-1.9.2-p180/gems/activerecord-2.3.12/lib/active_record/migration.rb:328:in `block in say_with_time' /home/ixti/.rvm/rubies/ruby-1.9.2-p180/lib/ruby/1.9.1/benchmark.rb:294:in `measure' /home/ixti/.rvm/gems/ruby-1.9.2-p180/gems/activerecord-2.3.12/lib/active_record/migration.rb:328:in `say_with_time' db/migrate//20100714111653_build_initial_journals_for_acts_as_journalized.rb:29:in `block in up' db/migrate//20100714111653_build_initial_journals_for_acts_as_journalized.rb:28:in `each'		

```

db/migrate//20100714111653_build_initial_journals_for_acts_as_journalized.rb:28:in `up'
/home/ixti/.rvm/gems/ruby-1.9.2-p180/gems/activerecord-2.3.12/lib/active_record/migration.rb:282:in `block in
migrate'
/home/ixti/.rvm/rubies/ruby-1.9.2-p180/lib/ruby/1.9.1/benchmark.rb:294:in `measure'
/home/ixti/.rvm/gems/ruby-1.9.2-p180/gems/activerecord-2.3.12/lib/active_record/migration.rb:282:in `migrate'
/home/ixti/.rvm/gems/ruby-1.9.2-p180/gems/activerecord-2.3.12/lib/active_record/migration.rb:365:in `migrate'
/home/ixti/.rvm/gems/ruby-1.9.2-p180/gems/activerecord-2.3.12/lib/active_record/migration.rb:491:in `block (2
levels) in migrate'
/home/ixti/.rvm/gems/ruby-1.9.2-p180/gems/activerecord-2.3.12/lib/active_record/migration.rb:567:in `call'
/home/ixti/.rvm/gems/ruby-1.9.2-p180/gems/activerecord-2.3.12/lib/active_record/migration.rb:567:in
`ddl_transaction'
/home/ixti/.rvm/gems/ruby-1.9.2-p180/gems/activerecord-2.3.12/lib/active_record/migration.rb:490:in `block in
migrate'
/home/ixti/.rvm/gems/ruby-1.9.2-p180/gems/activerecord-2.3.12/lib/active_record/migration.rb:477:in `each'
/home/ixti/.rvm/gems/ruby-1.9.2-p180/gems/activerecord-2.3.12/lib/active_record/migration.rb:477:in `migrate'
/home/ixti/.rvm/gems/ruby-1.9.2-p180/gems/activerecord-2.3.12/lib/active_record/migration.rb:401:in `up'
/home/ixti/.rvm/gems/ruby-1.9.2-p180/gems/activerecord-2.3.12/lib/active_record/migration.rb:383:in `migrate'
/home/ixti/.rvm/gems/ruby-1.9.2-p180/gems/rails-2.3.12/lib/tasks/databases.rake:112:in `block (2 levels) in
<top (required)>'
/home/ixti/.rvm/gems/ruby-1.9.2-p180/gems/rake-0.9.2/lib/rake/task.rb:205:in `call'
/home/ixti/.rvm/gems/ruby-1.9.2-p180/gems/rake-0.9.2/lib/rake/task.rb:205:in `block in execute'
/home/ixti/.rvm/gems/ruby-1.9.2-p180/gems/rake-0.9.2/lib/rake/task.rb:200:in `each'
/home/ixti/.rvm/gems/ruby-1.9.2-p180/gems/rake-0.9.2/lib/rake/task.rb:200:in `execute'
/home/ixti/.rvm/gems/ruby-1.9.2-p180/gems/rake-0.9.2/lib/rake/task.rb:158:in `block in
invoke_with_call_chain'
/home/ixti/.rvm/rubies/ruby-1.9.2-p180/lib/ruby/1.9.1/monitor.rb:201:in `mon_synchronize'
/home/ixti/.rvm/gems/ruby-1.9.2-p180/gems/rake-0.9.2/lib/rake/task.rb:151:in `invoke_with_call_chain'
/home/ixti/.rvm/gems/ruby-1.9.2-p180/gems/rake-0.9.2/lib/rake/task.rb:144:in `invoke'
/home/ixti/.rvm/gems/ruby-1.9.2-p180/gems/rake-0.9.2/lib/rake/application.rb:112:in `invoke_task'
/home/ixti/.rvm/gems/ruby-1.9.2-p180/gems/rake-0.9.2/lib/rake/application.rb:90:in `block (2 levels) in
top_level'
/home/ixti/.rvm/gems/ruby-1.9.2-p180/gems/rake-0.9.2/lib/rake/application.rb:90:in `each'
/home/ixti/.rvm/gems/ruby-1.9.2-p180/gems/rake-0.9.2/lib/rake/application.rb:90:in `block in top_level'
/home/ixti/.rvm/gems/ruby-1.9.2-p180/gems/rake-0.9.2/lib/rake/application.rb:129:in
`standard_exception_handling'
/home/ixti/.rvm/gems/ruby-1.9.2-p180/gems/rake-0.9.2/lib/rake/application.rb:84:in `top_level'
/home/ixti/.rvm/gems/ruby-1.9.2-p180/gems/rake-0.9.2/lib/rake/application.rb:62:in `block in run'
/home/ixti/.rvm/gems/ruby-1.9.2-p180/gems/rake-0.9.2/lib/rake/application.rb:129:in
`standard_exception_handling'
/home/ixti/.rvm/gems/ruby-1.9.2-p180/gems/rake-0.9.2/lib/rake/application.rb:59:in `run'
/home/ixti/.rvm/gems/ruby-1.9.2-p180/gems/rake-0.9.2/bin/rake:32:in `<top (required)>'
/home/ixti/.rvm/gems/ruby-1.9.2-p180/bin/rake:19:in `load'
/home/ixti/.rvm/gems/ruby-1.9.2-p180/bin/rake:19:in `<main>'
Tasks: TOP => db:migrate
</pre>

```

But ran perfectly on Ruby 1.8.7

Associated revisions

2011-11-06 01:25 pm - Felix Schafner

Better decide if journal implements the method itself. #554

History

2011-08-08 03:43 pm - Aleksey Zapparov

I assume problem is because 1.x branch was not supposed to run with Ruby 1.9.2, so probably we need no fix for this issue, but a notice about migration process.

2011-08-10 01:04 am - Ben Hughes

Admittedly I am trying to upgrade from Redmine (1.2.0) to Chiliproject, but I am seeing a similar problem on Ruby 1.8.7:

```
<pre>
Change(#-617066458) expected, got Array(#-607918318)
/var/lib/gems/1.8/gems/activerecord-2.3.12/lib/active_record/associations/association_proxy.rb:259:in `raise_on_type_mismatch'
/var/lib/gems/1.8/gems/activerecord-2.3.12/lib/active_record/associations/association_collection.rb:321:in `replace'
/var/lib/gems/1.8/gems/activerecord-2.3.12/lib/active_record/associations/association_collection.rb:321:in `each'
/var/lib/gems/1.8/gems/activerecord-2.3.12/lib/active_record/associations/association_collection.rb:321:in `replace'
/var/lib/gems/1.8/gems/activerecord-2.3.12/lib/active_record/associations.rb:1331:in `changes='
/var/lib/gems/1.8/gems/activerecord-2.3.12/lib/active_record/associations/association_proxy.rb:149:in `send'
/var/lib/gems/1.8/gems/activerecord-2.3.12/lib/active_record/associations/association_proxy.rb:149:in `send'
....
</pre>
```

```
<pre>
[root@projects2]# ruby --version
ruby 1.8.7 (2010-08-16 patchlevel 302) [i686-linux]
[root@projects2]# /var/lib/gems/1.8/bin/rake --version
rake, version 0.9.2
</pre>
```

2011-09-07 02:17 pm - A Samz

For what it's worth I experienced the same problem. We upgrade from Redmine 1.1.2 to ChiliProject 1.5.2 (We did this because the DB migration failed for the later versions.) Trying to upgrade ChiliProject from 1.5.2 to 2.X.X caused the db migration to fail with an output as seen in issue #554. This is preventing us from using ChiliProject.

2011-10-18 06:45 pm - Jesse House

I think I've hit a similar problem. I'm coming from Redmine v 0.9.3.stable (mysql) and trying to upgrade to latest Chiliproject using instructions here: <https://www.chiliproject.org/projects/chiliproject/wiki/Upgrade>

I am running ruby 1.8.7:

```
<pre>
$/usr/bin/ruby -v
ruby 1.8.7 (2010-01-10 patchlevel 249) [x86_64-linux]
</pre>
```

I first restored the mysql db from backup, replaced the redmine directory w/ the latest Chiliproject, copied over database.yml, created configuration.yml from the example, did bundle install, generated session store and then...

Here is a stack trace when trying to migrate the db:

```
<pre>
$ rake db:migrate RAILS_ENV=production --trace
** Invoke db:migrate (first_time)
** Invoke environment (first_time)
```

```
** Execute environment
** Execute db:migrate
== BuildInitialJournalsForActsAsJournalized: migrating =====
-- Building initial journals for Message
  -> 0.8706s
-- Building initial journals for Attachment
  -> 61.4480s
-- Building initial journals for Document
  -> 8.1766s
-- Building initial journals for Changeset
rake aborted!
An error has occurred, all later migrations canceled:
```

```
Change(#70002589826020) expected, got Array(#70002672113180)
/usr/lib/ruby/gems/1.8/gems/activerecord-2.3.14/lib/active_record/associations/association_proxy.rb:259:in `raise_on_type_mismatch'
/usr/lib/ruby/gems/1.8/gems/activerecord-2.3.14/lib/active_record/associations/association_collection.rb:321:in `replace'
/usr/lib/ruby/gems/1.8/gems/activerecord-2.3.14/lib/active_record/associations/association_collection.rb:321:in `each'
/usr/lib/ruby/gems/1.8/gems/activerecord-2.3.14/lib/active_record/associations/association_collection.rb:321:in `replace'
/usr/lib/ruby/gems/1.8/gems/activerecord-2.3.14/lib/active_record/associations.rb:1331:in `changes='
/usr/lib/ruby/gems/1.8/gems/activerecord-2.3.14/lib/active_record/associations/association_proxy.rb:149:in `send'
/usr/lib/ruby/gems/1.8/gems/activerecord-2.3.14/lib/active_record/associations/association_proxy.rb:149:in `send'
/usr/share/chiliproject/app/models/journal.rb:111:in `method_missing'
/usr/share/chiliproject/vendor/plugins/acts_as_journalized/lib/redmine/acts/journalized/creation.rb:91:in `recreate_initial_journal!'
./db/migrate//20100714111653_build_initial_journals_for_acts_as_journalized.rb:44:in `up_without_benchmarks'
./db/migrate//20100714111653_build_initial_journals_for_acts_as_journalized.rb:40:in `each'
./db/migrate//20100714111653_build_initial_journals_for_acts_as_journalized.rb:40:in `up_without_benchmarks'
/usr/lib/ruby/gems/1.8/gems/activerecord-2.3.14/lib/active_record/migration.rb:328:in `say_with_time'
/usr/lib/ruby/1.8/benchmark.rb:293:in `measure'
/usr/lib/ruby/gems/1.8/gems/activerecord-2.3.14/lib/active_record/migration.rb:328:in `say_with_time'
./db/migrate//20100714111653_build_initial_journals_for_acts_as_journalized.rb:29:in `up_without_benchmarks'
./db/migrate//20100714111653_build_initial_journals_for_acts_as_journalized.rb:28:in `each'
./db/migrate//20100714111653_build_initial_journals_for_acts_as_journalized.rb:28:in `up_without_benchmarks'
/usr/lib/ruby/gems/1.8/gems/activerecord-2.3.14/lib/active_record/migration.rb:282:in `send'
/usr/lib/ruby/gems/1.8/gems/activerecord-2.3.14/lib/active_record/migration.rb:282:in `migrate'
/usr/lib/ruby/1.8/benchmark.rb:293:in `measure'
/usr/lib/ruby/gems/1.8/gems/activerecord-2.3.14/lib/active_record/migration.rb:282:in `migrate'
/usr/lib/ruby/gems/1.8/gems/activerecord-2.3.14/lib/active_record/migration.rb:365:in `__send__'
/usr/lib/ruby/gems/1.8/gems/activerecord-2.3.14/lib/active_record/migration.rb:365:in `migrate'
/usr/lib/ruby/gems/1.8/gems/activerecord-2.3.14/lib/active_record/migration.rb:491
/usr/lib/ruby/gems/1.8/gems/activerecord-2.3.14/lib/active_record/migration.rb:567:in `call'
/usr/lib/ruby/gems/1.8/gems/activerecord-2.3.14/lib/active_record/migration.rb:567:in `ddl_transaction'
/usr/lib/ruby/gems/1.8/gems/activerecord-2.3.14/lib/active_record/migration.rb:490:in `migrate'
/usr/lib/ruby/gems/1.8/gems/activerecord-2.3.14/lib/active_record/migration.rb:477:in `each'
/usr/lib/ruby/gems/1.8/gems/activerecord-2.3.14/lib/active_record/migration.rb:477:in `migrate'
/usr/lib/ruby/gems/1.8/gems/activerecord-2.3.14/lib/active_record/migration.rb:401:in `up'
/usr/lib/ruby/gems/1.8/gems/activerecord-2.3.14/lib/active_record/migration.rb:383:in `migrate'
/usr/lib/ruby/gems/1.8/gems/rails-2.3.14/lib/tasks/databases.rake:112
/usr/lib/ruby/gems/1.8/gems/rake-0.9.2/lib/rake/task.rb:205:in `call'
/usr/lib/ruby/gems/1.8/gems/rake-0.9.2/lib/rake/task.rb:205:in `execute'
/usr/lib/ruby/gems/1.8/gems/rake-0.9.2/lib/rake/task.rb:200:in `each'
/usr/lib/ruby/gems/1.8/gems/rake-0.9.2/lib/rake/task.rb:200:in `execute'
/usr/lib/ruby/gems/1.8/gems/rake-0.9.2/lib/rake/task.rb:158:in `invoke_with_call_chain'
/usr/lib/ruby/1.8/monitor.rb:242:in `synchronize'
```

```

/usr/lib/ruby/gems/1.8/gems/rake-0.9.2/lib/rake/task.rb:151:in `invoke_with_call_chain'
/usr/lib/ruby/gems/1.8/gems/rake-0.9.2/lib/rake/task.rb:144:in `invoke'
/usr/lib/ruby/gems/1.8/gems/rake-0.9.2/lib/rake/application.rb:112:in `invoke_task'
/usr/lib/ruby/gems/1.8/gems/rake-0.9.2/lib/rake/application.rb:90:in `top_level'
/usr/lib/ruby/gems/1.8/gems/rake-0.9.2/lib/rake/application.rb:90:in `each'
/usr/lib/ruby/gems/1.8/gems/rake-0.9.2/lib/rake/application.rb:90:in `top_level'
/usr/lib/ruby/gems/1.8/gems/rake-0.9.2/lib/rake/application.rb:129:in `standard_exception_handling'
/usr/lib/ruby/gems/1.8/gems/rake-0.9.2/lib/rake/application.rb:84:in `top_level'
/usr/lib/ruby/gems/1.8/gems/rake-0.9.2/lib/rake/application.rb:62:in `run'
/usr/lib/ruby/gems/1.8/gems/rake-0.9.2/lib/rake/application.rb:129:in `standard_exception_handling'
/usr/lib/ruby/gems/1.8/gems/rake-0.9.2/lib/rake/application.rb:59:in `run'
/usr/lib/ruby/gems/1.8/gems/rake-0.9.2/bin/rake:32
/usr/bin/rake:19:in `load'
/usr/bin/rake:19
Tasks: TOP => db:migrate
</pre>

```

By far not a ruby expert, and thus this error is also preventing us from using ChiliProject at the moment.

2011-11-01 08:21 pm - A Samz

I think the title of this issue is misleading. This seems to be an issue with moving from Redmine to ChiliProject 2.X.0. After further investigation we still get basically the same error when using Ruby 1.8.7 when attempting to migrate from Redmine 1.1.1, Redmine 1.2.1, or Redmine 1.1.1 -> ChiliProject 1.5.X, to any version of ChiliProject 2.X.X. If desired I can open a different issue but it will contain no new information. Any assistance from those who more deeply understand ChiliProject would be appreciated, by several potential users. Thanks.

Another stack trace:

```

<pre>
rake db:migrate --trace
** Invoke db:migrate (first_time)
** Invoke environment (first_time)
** Execute environment
** Execute db:migrate
== BuildInitialJournalsForActsAsJournalized: migrating =====
-- Building initial journals for Message
-> 0.0030s
-- Building initial journals for Attachment
-> 0.2310s
-- Building initial journals for Document
-> 0.0030s
-- Building initial journals for Changeset
rake aborted!

```

An error has occurred, all later migrations canceled:

Change(#3882) expected, got Array(#3884)

```

/usr/lib/ruby/gems/1.8/gems/activerecord-2.3.14/lib/active_record/associations/association_proxy.rb:259:in `raise_on_type_mismatch'
/usr/lib/ruby/gems/1.8/gems/activerecord-2.3.14/lib/active_record/associations/association_collection.rb:321:in `replace'
/usr/lib/ruby/gems/1.8/gems/activerecord-2.3.14/lib/active_record/associations/association_collection.rb:321:in `replace'
/usr/lib/ruby/gems/1.8/gems/activerecord-2.3.14/lib/active_record/associations.rb:1331:in `changes='

```

```
/usr/lib/ruby/gems/1.8/gems/activerecord-2.3.14/lib/active_record/associations/association_proxy.rb:149:in `send'
../chiliproject-2.2.0/app/models/journal.rb:111:in `method_missing'
../chiliproject-2.2.0/vendor/plugins/acts_as_journalized/lib/redmine/acts/journalized/creation.rb:91:in `recreate_initial_journal!'
./db/migrate//20100714111653_build_initial_journals_for_acts_as_journalized.rb:44:in `up'
./db/migrate//20100714111653_build_initial_journals_for_acts_as_journalized.rb:40:in `up'
/usr/lib/ruby/gems/1.8/gems/activerecord-2.3.14/lib/active_record/migration.rb:328:in `say_with_time'
/usr/lib/ruby/gems/1.8/gems/activerecord-2.3.14/lib/active_record/migration.rb:328:in `say_with_time'
./db/migrate//20100714111653_build_initial_journals_for_acts_as_journalized.rb:29:in `up'
./db/migrate//20100714111653_build_initial_journals_for_acts_as_journalized.rb:28:in `up'
/usr/lib/ruby/gems/1.8/gems/activerecord-2.3.14/lib/active_record/migration.rb:282:in `migrate'
/usr/lib/ruby/1.8/benchmark.rb:293:in `measure'
/usr/lib/ruby/gems/1.8/gems/activerecord-2.3.14/lib/active_record/migration.rb:282:in `migrate'
/usr/lib/ruby/gems/1.8/gems/activerecord-2.3.14/lib/active_record/migration.rb:365:in `migrate'
/usr/lib/ruby/gems/1.8/gems/activerecord-2.3.14/lib/active_record/migration.rb:491:in `migrate'
/usr/lib/ruby/gems/1.8/gems/activerecord-2.3.14/lib/active_record/migration.rb:567:in `ddl_transaction'
/usr/lib/ruby/gems/1.8/gems/activerecord-2.3.14/lib/active_record/migration.rb:490:in `migrate'
/usr/lib/ruby/gems/1.8/gems/activerecord-2.3.14/lib/active_record/migration.rb:477:in `migrate'
/usr/lib/ruby/gems/1.8/gems/activerecord-2.3.14/lib/active_record/migration.rb:401:in `up'
/usr/lib/ruby/gems/1.8/gems/activerecord-2.3.14/lib/active_record/migration.rb:383:in `migrate'
/usr/lib/ruby/gems/1.8/gems/rails-2.3.14/lib/tasks/databases.rake:112:in `(root)'
/usr/lib/ruby/gems/1.8/gems/rake-0.9.2.2/lib/rake/task.rb:205:in `execute'
/usr/lib/ruby/gems/1.8/gems/rake-0.9.2.2/lib/rake/task.rb:200:in `execute'
/usr/lib/ruby/gems/1.8/gems/rake-0.9.2.2/lib/rake/task.rb:158:in `invoke_with_call_chain'
/usr/lib/ruby/1.8/monitor.rb:191:in `mon_synchronize'
/usr/lib/ruby/gems/1.8/gems/rake-0.9.2.2/lib/rake/task.rb:151:in `invoke_with_call_chain'
/usr/lib/ruby/gems/1.8/gems/rake-0.9.2.2/lib/rake/task.rb:144:in `invoke'
/usr/lib/ruby/gems/1.8/gems/rake-0.9.2.2/lib/rake/application.rb:116:in `invoke_task'
/usr/lib/ruby/gems/1.8/gems/rake-0.9.2.2/lib/rake/application.rb:94:in `top_level'
/usr/lib/ruby/gems/1.8/gems/rake-0.9.2.2/lib/rake/application.rb:94:in `top_level'
/usr/lib/ruby/gems/1.8/gems/rake-0.9.2.2/lib/rake/application.rb:133:in `standard_exception_handling'
/usr/lib/ruby/gems/1.8/gems/rake-0.9.2.2/lib/rake/application.rb:88:in `top_level'
/usr/lib/ruby/gems/1.8/gems/rake-0.9.2.2/lib/rake/application.rb:66:in `run'
/usr/lib/ruby/gems/1.8/gems/rake-0.9.2.2/lib/rake/application.rb:133:in `standard_exception_handling'
/usr/lib/ruby/gems/1.8/gems/rake-0.9.2.2/lib/rake/application.rb:63:in `run'
/usr/lib/ruby/gems/1.8/gems/rake-0.9.2.2/bin/rake:33:in `(root)'
/usr/bin/rake:19:in `(root)'
Tasks: TOP => db:migrate
</pre>
```

2011-11-01 10:07 pm - Aleksey Zapparov

When I was putting the title - I was describing MINE problem :)) More than 100% sure that you have same problem, so probably title should be renamed though...

2011-11-01 10:33 pm - Felix Schäfer

- Status changed from Open to Needs more information

I've tried a few times to get my head around this, but to be honest I don't think we'll be able to fully understand what's happening until we can reproduce this.

Can any of you provide me with a DB dump of data with which this error occurs? If any confidentiality agreement is needed, I might be able to arrange with the company I work for.

2011-11-01 11:49 pm - Aleksey Zapparov

I can send you the dump on e-mail. It contains some confidential information, but I'm OK to send it without any agreement unless you are going to "share" it :))

2011-11-02 06:11 am - Felix Schäfer

Aleksey Zapparov wrote:

> I can send you the dump on e-mail. It contains some confidential information, but I'm OK to send it without any agreement unless you are going to "share" it :))

I'll make sure to be careful. My address is on my "user page":/users/7. Thanks!

2011-11-02 11:35 pm - Tammo Tjarks

Hello,

I fiddled around with the problem. My last guess is, that the problem is related to the fact, that

in:

```
<pre>
.../acts_as_journalized/lib/redmine/acts/journalized/creation.rb
```

```
</pre>
```

in the method

```
<pre>
recreate_initial_journal
```

```
</pre>
```

in the line between 95-100 (have changed the sourcecode)

a line

```
<pre>
new_journal.changes = creation_changes
</pre>
```

My guess is now, that the order, how methods are evaluated, respective how the methods are mapped (do not know how to say properly) a difference may be between 1.8 and 1.9. Anyway, I think the reason for the problem is, that in Changesets a table changes is defined. Therefore also from Active Record a methode "changes" is defined. But for the table changes the creation_changes does not fit, because that fits to changesets. I have written a little more in the forum:

<https://www.chiliproject.org/boards/1/topics/901?r=910>

2011-11-03 09:01 am - Tammo Tjarks

Hello,

first sorry for my bad english (I should read what I write before I send it).

I had a look into

```
<pre>
app/models/journal.rb
```

```
</pre>
```

with the help of puts statements and pry.

It seems more and more as I have assumed. For another entry

(Document) the exist the method :changes, but not :changes=.

:changes is defined there as:

```
<pre>
def changes
  changed.inject({}) {|h, attr| h[attr] = attribute_change(attr); h}
end
</pre>
```

So I think the line where `:changes=` is send most likely should be interpreted as `":changes ="`.

2011-11-03 09:59 am - Tammo Tjarks

Hello,
I have not tracked down the problem fully yet. But I assume a clean solution would be either to rename the table changes to something like `changeitems` or to

rename the method changes to something as `journal_changes`. I assume otherwise there needs somewhere somethings as a condition to check if the method was called on `changesets` or on other class to route the method there properly. But as I wrote. Is only a assumption.

2011-11-06 11:08 am - Felix Schäfer

- Assignee set to Felix Schäfer

I got Aleksey's export and was able to reproduce the issue on 1.9.2p290 + mysql2 (not on 1.8.7 with either mysql or mysql2 though), starting debug now.

2011-11-06 11:56 am - Felix Schäfer

The problem is a bad case of `@method_missing@` magic somewhat sidestepping ActiveRecord's own `@method_missing@` magic at `source:/app/models/journal.rb@9107023#L110`.

The good news: I think that should be solvable.

The gory details: `@Journal#method_missing@` checks to see if the method is also the name of one of its attributes, calls the method on the journaled object if not and only then tries to call the method on itself if the call to the journaled object throws a `NoMethodError`, which then eventually triggers the `@ActiveRecord::Base#method_missing@`, which might do stuff with it. This works most of the times, the times it doesn't work is if AR provides a `method_missing` mechanism for the called method but the journaled object implements the same method. The method is then called on the journaled object instead of on the journal, and mayhem ensues.

In this particular case, journals have an attribute called `changes`, which the migration script tries to set by calling `@#changes=@`, which isn't explicitly implemented, so it bubbles up to `method_missing`, which checks the attributes, finds `"changes="` isn't one of them, calls `@#changes=@` on the journaled object, which none of them but the `Changesets` implement, so it goes back to the journal which tries to call it on itself again, which bubbles up to AR's `method_missing`, which in turn knows the `changes` column and that a call to `@#changes=@` is an attempt to write stuff to it. For `Changesets`, this breaks though because `@Changeset#changes=@` exists (because of `@has_many :changes@` in `changesets`), the call tries to apply the array of changes the journal should receive to the journaled `Changeset` object.

2011-11-06 12:28 pm - Felix Schäfer

- Status changed from Needs more information to Closed

Fix committed in `commit:af50984`.

2011-11-06 12:29 pm - Felix Schäfer

(and sorry that this one took this long!)

2011-11-06 03:35 pm - Felix Schäfer

- Target version set to 2.5.0

- (deleted custom field) set to master

Although this issue is closed, I'd like to hear from everyone who had the problem and who is now able to get the migration to run properly. Furthermore, people still having a similar problem should probably open a new issue and write a short note about it here. Thanks.

2011-11-06 07:06 pm - Tammo Tjarks

Hello Felix,

Thank you very much for the fix. I tried it out. The migration worked smoothly with it.

Best regards,

Tammo

2011-11-06 11:05 pm - Eric Davis

Felix Schäfer wrote:

> The problem is a bad case of @method_missing@ magic somewhat sidestepping ActiveRecord's own @method_missing@ magic at source:/app/models/journal.rb@9107023#L110.

Ugh. I had a feeling that method was going to be a problem later on. I wonder if it's even used or if we could remove it.

2011-11-07 05:55 am - Felix Schäfer

Eric Davis wrote:

> I had a feeling that method was going to be a problem later on. I wonder if it's even used or if we could remove it.

I think I've seen it used in at least one instance, I agree that we should work towards doing without it though.

2011-11-08 10:51 pm - Jesse House

I pulled the latest code and tried the migration again w/ similar results. I opened a new bug about it. Please let me know if I am missing something here.

<https://www.chiliproject.org/issues/690>