Redmine - Defect #6105

Migration 0.8 -> 1.0.0 : projects pages access = erreur

2010-08-11 18:00 - Perry Rhodan

Status:	Closed		**Start date:**	2010-08-11
Priority:	Normal		**Due date:**	
Assignee:			**% Done:**	0%
Category:	Projects		**Estimated time:**	0.00 hour
Target version:				
Resolution:	Invalid		**Affected version:**	

Description

Hi,

after a migration from bitnami 0.8 => bitnami 1.0.0 I can't access to projects (menu or administration) :

IN LOG :

```
Processing AdminController#projects (for 84.99.210.210 at 2010-08-11 17:43:39) [GET]
  Parameters: {"action"=>"projects", "controller"=>"admin"}

ActiveRecord::StatementInvalid (Mysql::Error: Unknown column 'lft' in 'order clause': SELECT * FRO
M `projects` WHERE (1=1 AND (status = 1))  ORDER BY lft):
  app/models/project.rb:210:in `find'
  app/controllers/admin_controller.rb:39:in `projects'
```

It seems projects table is not updated by upgrade steps (Wiki).
DB schema seems being wrong after upgrade.
From Web GUI all access to projects generate internal error.

Rhodan

History

#1 - 2010-08-11 18:03 - Felix Schäfer

- Priority changed from High to Normal

Please provide the exact steps you followed to upgrade as well as any errors you may have had along the way.

#2 - 2010-08-11 18:32 - Perry Rhodan

During migration = none error

I followed step described in :
http://bitnami.org/article/how-to-backup-and-update-the-bitnami-redmine-stack

Dump MYSQL from initial DB
Backup Files

1. Install new Bitnami module v1.0.0 in a new folder
2. Restore DB
3. Restore files
4. $ rake db:migrate RAILS_ENV=production
5. $ rake db:migrate:upgrade_plugin_migrations RAILS_ENV=production
6. $ rake db:migrate_plugins RAILS_ENV=production
7. $ rake tmp:cache:clear
8. $ rake tmp:sessions:clear

At this step I need to modify manually users table data to add them to 'User' in place of 'null'. They wasn't visible in any list without.

But all request to projects :

- main menu
- administration panel

... generate the error!

I check table for 'projects' after '*rake db:migrate RAILS_ENV=production*' and the index 'lft' and 'rgt' are missing :

```
DROP TABLE IF EXISTS `projects`;
SET @saved_cs_client     = @@character_set_client;
SET character_set_client = utf8;
CREATE TABLE `projects` (
  `id` int(11) NOT NULL AUTO_INCREMENT,
  `name` varchar(30) NOT NULL DEFAULT '',
  `description` text,
  `homepage` varchar(60) DEFAULT '',
  `is_public` tinyint(1) NOT NULL DEFAULT '1',
  `parent_id` int(11) DEFAULT NULL,
  `projects_count` int(11) DEFAULT '0',
  `created_on` datetime DEFAULT NULL,
  `updated_on` datetime DEFAULT NULL,
  `identifier` varchar(20) DEFAULT NULL,
  `status` int(11) NOT NULL DEFAULT '1',
  PRIMARY KEY (`id`)
) ENGINE=InnoDB AUTO_INCREMENT=24 DEFAULT CHARSET=latin1;
SET character_set_client = @saved_cs_client;
```

the file 'db/migrate/20091220183509_add_lft_and_rgt_indexes_to_projects.rb' seems not to modify anythings.

Rhodan

#3 - 2010-08-11 18:39 - Felix Schäfer

Yes, because that migration only adds indexes, the columns for the project table should be created by migration 104. Can you provide a file list of db/migrate in your 0.8 installation, and maybe a dump of the table schema_migrations from the redmine db?

#4 - 2010-08-11 18:45 - Perry Rhodan

- File db_migrate__list.txt added

Here the list of files in initial 'db/migrate' folder

Rhodan

PS : do you wish the current schema (v1.0.0), because previous will be more complicated to get?

#5 - 2010-08-11 18:48 - Perry Rhodan

- File schema_migration_table_v1.0.0.sql added

The schema migration table from my current install
Structure + Data

Rhodan

#6 - 2010-08-11 19:08 - Felix Schäfer

That one is the good one. This is very very strange, because the migration 104 has run correctly according to that schema_migrations table… I'll see if I can provide an sql file to create the columns, but I still find that "intriguing" to say the least.

#7 - 2011-05-28 00:38 - Jesse Norell

I have this same problem upgrading an old 0.8.4 system to 1.0.1-1 (debian package). db:migrate completed with no errors, but the schema isn't right.

What I ended up with:

```
mysql> describe projects;
+----------------+--------------+------+-----+---------+----------------+
| Field          | Type         | Null | Key | Default | Extra          |
+----------------+--------------+------+-----+---------+----------------+
| id             | int(11)      | NO   | PRI | NULL    | auto_increment |
| name           | varchar(30)  | NO   |     |         |                |
| description    | text         | YES  |     | NULL    |                |
| homepage       | varchar(255) | YES  |     |         |                |
| is_public      | tinyint(1)   | NO   |     | 1       |                |
| parent_id      | int(11)      | YES  |     | NULL    |                |
| projects_count | int(11)      | YES  |     | 0       |                |
```

```
| created_on    | datetime    | YES |     | NULL    |                |
| updated_on    | datetime    | YES |     | NULL    |                |
| identifier    | varchar(20) | YES |     | NULL    |                |
| status        | int(11)     | NO  |     | 1       |                |
+---------------+-------------+-----+-----+---------+----------------+
```

What it should be:

```
mysql> describe projects;
+-------------+--------------+------+-----+---------+----------------+
| Field       | Type         | Null | Key | Default | Extra          |
+-------------+--------------+------+-----+---------+----------------+
| id          | int(11)      | NO   | PRI | NULL    | auto_increment |
| name        | varchar(30)  | NO   |     |         |                |
| description | text         | YES  |     | NULL    |                |
| homepage    | varchar(255) | YES  |     |         |                |
| is_public   | tinyint(1)   | NO   |     | 1       |                |
| parent_id   | int(11)      | YES  |     | NULL    |                |
| created_on  | datetime     | YES  |     | NULL    |                |
| updated_on  | datetime     | YES  |     | NULL    |                |
| identifier  | varchar(20)  | YES  |     | NULL    |                |
| status      | int(11)      | NO   |     | 1       |                |
| lft         | int(11)      | YES  | MUL | NULL    |                |
| rgt         | int(11)      | YES  | MUL | NULL    |                |
+-------------+--------------+------+-----+---------+----------------+
```

Any pointers how to properly fix this?

#8 - 2011-05-28 00:45 - Jesse Norell

Also after the migration, all my users except admin are gone (maybe related, maybe not).

#9 - 2011-05-28 09:39 - Etienne Massip

You should check your schema_migrations table contents to see which migration(s) has not being executed (compare with your 1.0.1 db/migrate files (source:tags/1.0.1/db/migrate)).

The 104_add_projects_lft_and_rgt.rb at least went wrong.

#10 - 2011-05-31 19:12 - Jesse Norell

schema_migrations has up to version=101 .. does that mean 102_add_custom_fields_editable.rb failed and all subsequent scripts weren't run?

I'm new to redmine (and ruby), but it sure seems like a breaking failure like this should print an error when running db:migrate. Do you know if that's been addressed in recent versions? (Or would that actually be a problem to report with the debian package?)

I'm off to find resources on troubleshooting db:migrate failures, pointers are welcome. Thanks!

#11 - 2011-05-31 23:25 - Jesse Norell

Jesse Norell wrote:

> schema_migrations has up to version=101 .. does that mean 102_add_custom_fields_editable.rb failed and all subsequent scripts weren't run?

Note: no, it appears it was up to version=101 in the old redmine install, so I'm guessing wherever db:migrate failed, it rolled back all changes?

#12 - 2011-06-01 10:55 - Etienne Massip

Did you migrate the right database and set your RAILS_ENV accordingly before running commands ?

What's the "Database schema version" returned by ruby script/about (needs that you set your RAILS_ENV too)?

#13 - 2011-06-01 17:10 - Jesse Norell

- File redmine-migrator.sh added

Etienne Massip wrote:

> Did you migrate the right database and set your RAILS_ENV accordingly before running commands ?

Yes.

> What's the "Database schema version" returned by ruby script/about (needs that you set your RAILS_ENV too)?

Database schema version 101. Full output (I assume the deprecation warning is ok?) is:

```
/usr/share/redmine/script/../config/../vendor/rails/railties/lib/rails/gem_dependency.rb:119:Warning: Gem::Dep
endency#version_requirements is deprecated and will be removed on or after August 2010.  Use #requirement
About your application's environment
Ruby version              1.8.7 (i486-linux)
RubyGems version          1.3.7
Rack version              1.1
Rails version             2.3.5
Active Record version     2.3.5
Active Resource version   2.3.5
Action Mailer version     2.3.5
Active Support version    2.3.5
Edge Rails revision       unknown
Application root          /usr/share/redmine
Environment               production
Database adapter          mysql
Database schema version   101

About your Redmine plugins
Bots filter   1.02
```

That was obtained by running the attached script, which sets the env variables to locations used by the debian packages. Simply take out the "ruby /usr/share/redmine/script/about" and the "exit", and that's what I ran to do the migration, after creating the mysql database/user/permissions and importing the old sql dump (also ran without the redmine:load_default_data, with same results). db:migrate doesn't complain at all .. any way to enable debugging with it ?

#14 - 2011-06-01 19:07 - Etienne Massip

rake db:migrate --trace ?

#15 - 2011-06-01 22:21 - Jesse Norell

Yeah, I added --trace (saw it in some posting I ran across) hoping to enable some debugging type messages ... unfortunately all it does is add this to the output:

```
** Invoke db:migrate (first_time)
** Invoke environment (first_time)
** Execute environment
** Execute db:migrate
** Invoke db:schema:dump (first_time)
** Invoke environment
** Execute db:schema:dump
```

#16 - 2011-06-07 23:22 - Jesse Norell

I made some progress on this, I think have even resolved this issue. (I now have the error mentioned in Defect #8477, but I think is unrelated, ie. the db:migrate appears to have went ok).

What I did is download various versions of redmine source .tgz's and tried to walk through upgrading at different versions. The db:migrate from there, or default environment or something, prints actual errors, which was very helpful in diagnosing the problem (the debian package db:migrate or environment hid the errors from me, or put them somewhere I didn't discover).

I first found I needed Rack version 1.0.1, and had 1.1, so install rails 2.3.5 gem and it brought in the right version of rack. The debian db:migrate never complained about rack, so may or may not have been an issue.

Next I would run the db:migrate until error, track and fix that error, re-import the sql dump and start again. Using a stock redmine-1.0.1.tar.gz, starting from the mysqldump of my old 0.8.4 database, here's what I did to get a working migration:

```
tar xzvf redmine-1.0.1.tar.gz
cd redmine-1.0.1/
cp /etc/redmine/default/* config/     # mine wasn't called "default" but same gist
rake config/initializers/session_store.rb

#  here's the fix, these scripts were trying to recreate tables
#  or add columns that already existed:

rm db/migrate/20090704172358_add_member_roles_inherited_from.rb
rm db/migrate/20090704172355_create_groups_users.rb
rm db/migrate/20090503121501_create_member_roles.rb
rm db/migrate/20091017213716_add_missing_indexes_to_member_roles.rb

rake db:migrate RAILS_ENV="production"
/etc/init.d/apache2 restart
```

And I guess I hope I ran the plugin migration stuff too, though at this time I don't have any plugins. :)

At that point it's running fine. I then proceeded to migrate to the debian backports 1.1.2-2 package, also seemingly without error (except that [#8477](#8477) issue).

#17 - 2018-09-24 23:03 - Marius BĂLTEANU

- Status changed from New to Closed

- Resolution set to Invalid

#18 - 2018-09-24 23:09 - Marius BĂLTEANU

I'm closing this because it is longer valid (old Redmine versions, bitnami installation).

Files

db_migrate__list.txt	6.68 KB	2010-08-11	Perry Rhodan
schema_migration_table_v1.0.0.sql	2.54 KB	2010-08-11	Perry Rhodan
redmine-migrator.sh	2.09 KB	2011-06-01	Jesse Norell