Redmine - Defect #5771

Problem when importing git repository

2010-06-28 23:37 - Pavel Valodzka

Status:	Closed	**Start date:**	2010-06-28
Priority:	Normal	**Due date:**	
Assignee:	Eric Davis	**% Done:**	100%
Category:	Database	**Estimated time:**	0.00 hour
Target version:	1.0.1		
Resolution:	Fixed	**Affected version:**	

Description

When importing git repository I got following error:

```
ActiveRecord::StatementInvalid (PGError: ERROR:  value too long for type character varying(255)
: INSERT INTO "changes" ("changeset_id", "action", "branch", "path", "revision", "from_path", "fro
m_revision") VALUES(885, E'D', NULL, E'"src/main/resources/...lot of text..."', NULL, NULL, N
ULL) RETURNING "id")

  lib/redmine/scm/adapters/abstract_adapter.rb:300:in `save'
  lib/redmine/scm/adapters/abstract_adapter.rb:299:in `each'
  lib/redmine/scm/adapters/abstract_adapter.rb:299:in `save'
  lib/redmine/scm/adapters/abstract_adapter.rb:289:in `save'
  app/models/repository/git.rb:65:in `fetch_changesets'
  app/models/repository/git.rb:65:in `each'
  app/models/repository/git.rb:65:in `fetch_changesets'
  app/controllers/repositories_controller.rb:70:in `show'
```

Change in abstract_adapter.rb that fix it:

```
Change.create(:changeset => changeset,
              :action => file[:action],
              :path => file[:path][0...255])
```

Related issues:

Related to Redmine - Defect #5846: ChangeChangesPathLengthLimit does not remo...	**Closed**	**2010-07-08**

Associated revisions

Revision 3828 - 2010-07-06 04:07 - Eric Davis

Extend changes.path and changes.from_path to support longer paths. #5771

Long paths to SCM files would be truncated or wouldn't insert into some
databases. This extends those fields to support arbitrary length filenames.

Contributed by Holger Just

Revision 3830 - 2010-07-06 23:06 - Eric Davis

Force the default value of path to be set on the Change model class. #5771

This is needed because MySQL does not support default values on text columns
(Error introduced in r3828)

Contributed by Holger Just

Revision 3860 - 2010-07-24 02:19 - Eric Davis

Force-clear the default value for migration from :string to :text. #5846 #5771

This is a special case for MySQL in Win32.

Contributed by Holger Just.

History

#1 - 2010-06-29 09:23 - Felix Schäfer

- Category set to Database

- Assignee set to Holger Just

First one for you Holger ;-) Though I suspect this isn't a pg-only thing.

Thanks for the report Pavel!

#2 - 2010-07-05 16:34 - Holger Just

I looks like the current schema allows only path names (inside a repository) with a maximum length of 255 chars all combined.

The column type in the migration is :string, which translates to a varchar(255) in most databases. So we either live with this or change the column type to :text which would allow arbitrary length paths (which I would prefer).

#3 - 2010-07-05 19:24 - Holger Just

On Sqlite3, this is not reproducible as it happilly stuffs over 1000 chars long strings into a varchar(255)... Now setting up a local PostgreSQL DB for testing...

pavel ochman: Which version of PostgreSQL are you using?

#4 - 2010-07-05 21:21 - Pavel Valodzka

8.4.2

#5 - 2010-07-05 23:03 - Holger Just

- File 5771-Allow-arbitrary-length-filenames-in-repositories-5771.patch added

I could reproduce the error on Postgres 8.4. The attached patch fixes this behavior by changing the datatype of :path and :from_path from text (aka. varchar(255)) to text. Also included into the patch is an update of the test git repository with a new commit for a really long file.

Eric, please check the patch and commit at will.

#6 - 2010-07-06 04:08 - Eric Davis

- Status changed from New to Closed

- Assignee changed from Holger Just to Eric Davis

- Target version set to 1.0.0 (RC)

- % Done changed from 0 to 100

- Resolution set to Fixed

Committed in r3828.

#7 - 2010-07-06 16:55 - Eric Davis

- Status changed from Closed to Reopened

Someone reported a bug with this on MySQL

http://twitter.com/chrismckee/status/17862499316

#8 - 2010-07-06 17:02 - Chris McKee

Problem is occurring in \apps\redmine\db\migrate\20100705164950_change_changes_path_length_limit.rb
Output on migrate as follows:

```
C:\BitNami-RedmineStack\apps\redmine>rake db:migrate RAILS_ENV="production" --tr
ace > log.txt
rake aborted!
An error has occurred, all later migrations canceled:

Mysql::Error: BLOB/TEXT column 'path' can't have a default value: ALTER TABLE `c
hanges` CHANGE `path` `path` text DEFAULT '' NOT NULL
C:/BitNami-RedmineStack/ruby/lib/ruby/gems/1.8/gems/activerecord-2.3.5/lib/activ
e_record/connection_adapters/abstract_adapter.rb:219:in `log'
C:/BitNami-RedmineStack/ruby/lib/ruby/gems/1.8/gems/activerecord-2.3.5/lib/activ
```

```
e_record/connection_adapters/mysql_adapter.rb:323:in `execute'
C:/BitNami-RedmineStack/ruby/lib/ruby/gems/1.8/gems/activerecord-2.3.5/lib/activ
e_record/connection_adapters/mysql_adapter.rb:511:in `change_column'
C:/BitNami-RedmineStack/ruby/lib/ruby/gems/1.8/gems/activerecord-2.3.5/lib/activ
e_record/migration.rb:352:in `send'
C:/BitNami-RedmineStack/ruby/lib/ruby/gems/1.8/gems/activerecord-2.3.5/lib/activ
e_record/migration.rb:352:in `method_missing'
C:/BitNami-RedmineStack/ruby/lib/ruby/gems/1.8/gems/activerecord-2.3.5/lib/activ
e_record/migration.rb:328:in `say_with_time'
C:/BitNami-RedmineStack/ruby/lib/ruby/1.8/benchmark.rb:293:in `measure'
C:/BitNami-RedmineStack/ruby/lib/ruby/gems/1.8/gems/activerecord-2.3.5/lib/activ
e_record/migration.rb:328:in `say_with_time'
C:/BitNami-RedmineStack/ruby/lib/ruby/gems/1.8/gems/activerecord-2.3.5/lib/activ
e_record/migration.rb:348:in `method_missing'
./db/migrate//20100705164950_change_changes_path_length_limit.rb:3:in `up_withou
t_benchmarks'
C:/BitNami-RedmineStack/ruby/lib/ruby/gems/1.8/gems/activerecord-2.3.5/lib/activ
e_record/migration.rb:282:in `send'
C:/BitNami-RedmineStack/ruby/lib/ruby/gems/1.8/gems/activerecord-2.3.5/lib/activ
e_record/migration.rb:282:in `migrate'
C:/BitNami-RedmineStack/ruby/lib/ruby/1.8/benchmark.rb:293:in `measure'
C:/BitNami-RedmineStack/ruby/lib/ruby/gems/1.8/gems/activerecord-2.3.5/lib/activ
e_record/migration.rb:282:in `migrate'
C:1:in `__send__'
C:1:in `migrate'
C:/BitNami-RedmineStack/ruby/lib/ruby/gems/1.8/gems/activerecord-2.3.5/lib/activ
e_record/migration.rb:486:in `migrate'
C:/BitNami-RedmineStack/ruby/lib/ruby/gems/1.8/gems/activerecord-2.3.5/lib/activ
e_record/migration.rb:562:in `call'
C:/BitNami-RedmineStack/ruby/lib/ruby/gems/1.8/gems/activerecord-2.3.5/lib/activ
e_record/migration.rb:562:in `ddl_transaction'
C:/BitNami-RedmineStack/ruby/lib/ruby/gems/1.8/gems/activerecord-2.3.5/lib/activ
e_record/migration.rb:485:in `migrate'
C:/BitNami-RedmineStack/ruby/lib/ruby/gems/1.8/gems/activerecord-2.3.5/lib/activ
e_record/migration.rb:472:in `each'
C:/BitNami-RedmineStack/ruby/lib/ruby/gems/1.8/gems/activerecord-2.3.5/lib/activ
e_record/migration.rb:472:in `migrate'
C:/BitNami-RedmineStack/ruby/lib/ruby/gems/1.8/gems/activerecord-2.3.5/lib/activ
e_record/migration.rb:400:in `up'
C:/BitNami-RedmineStack/ruby/lib/ruby/gems/1.8/gems/activerecord-2.3.5/lib/activ
e_record/migration.rb:383:in `migrate'
C:/BitNami-RedmineStack/ruby/lib/ruby/gems/1.8/gems/rails-2.3.5/lib/tasks/databa
ses.rake:116
C:/BitNami-RedmineStack/ruby/lib/ruby/gems/1.8/gems/rake-0.8.7/lib/rake.rb:636:i
n `call'
C:/BitNami-RedmineStack/ruby/lib/ruby/gems/1.8/gems/rake-0.8.7/lib/rake.rb:636:i
n `execute'
C:/BitNami-RedmineStack/ruby/lib/ruby/gems/1.8/gems/rake-0.8.7/lib/rake.rb:631:i
n `each'
C:/BitNami-RedmineStack/ruby/lib/ruby/gems/1.8/gems/rake-0.8.7/lib/rake.rb:631:i
n `execute'
C:/BitNami-RedmineStack/ruby/lib/ruby/gems/1.8/gems/rake-0.8.7/lib/rake.rb:597:i
n `invoke_with_call_chain'
C:/BitNami-RedmineStack/ruby/lib/ruby/1.8/monitor.rb:242:in `synchronize'
C:/BitNami-RedmineStack/ruby/lib/ruby/gems/1.8/gems/rake-0.8.7/lib/rake.rb:590:i
n `invoke_with_call_chain'
C:/BitNami-RedmineStack/ruby/lib/ruby/gems/1.8/gems/rake-0.8.7/lib/rake.rb:583:i
n `invoke'
C:/BitNami-RedmineStack/ruby/lib/ruby/gems/1.8/gems/rake-0.8.7/lib/rake.rb:2051:
in `invoke_task'
C:/BitNami-RedmineStack/ruby/lib/ruby/gems/1.8/gems/rake-0.8.7/lib/rake.rb:2029:
in `top_level'
C:/BitNami-RedmineStack/ruby/lib/ruby/gems/1.8/gems/rake-0.8.7/lib/rake.rb:2029:
in `each'
C:/BitNami-RedmineStack/ruby/lib/ruby/gems/1.8/gems/rake-0.8.7/lib/rake.rb:2029:
in `top_level'
C:/BitNami-RedmineStack/ruby/lib/ruby/gems/1.8/gems/rake-0.8.7/lib/rake.rb:2068:
in `standard_exception_handling'
C:/BitNami-RedmineStack/ruby/lib/ruby/gems/1.8/gems/rake-0.8.7/lib/rake.rb:2023:
in `top_level'
C:/BitNami-RedmineStack/ruby/lib/ruby/gems/1.8/gems/rake-0.8.7/lib/rake.rb:2001:
in `run'
C:/BitNami-RedmineStack/ruby/lib/ruby/gems/1.8/gems/rake-0.8.7/lib/rake.rb:2068:
in `standard_exception_handling'
C:/BitNami-RedmineStack/ruby/lib/ruby/gems/1.8/gems/rake-0.8.7/lib/rake.rb:1998:
```

```
in `run'
C:/BitNami-RedmineStack/ruby/lib/ruby/gems/1.8/gems/rake-0.8.7/bin/rake:31
C:/BitNami-RedmineStack/ruby/bin/rake:19:in `load'
C:/BitNami-RedmineStack/ruby/bin/rake:19
```

Removing this file allows trunk to migrate successfully.

#9 - 2010-07-06 17:03 - Chris McKee

Forgot to add; running on Windows Bitnami Redmine stack (Redmine trunk) and MySQL5

#10 - 2010-07-06 18:32 - Felix Schäfer

It seems TEXT columns can't have a default either: _BLOB and TEXT columns cannot have DEFAULT values_, though there's no mention of the NOT NULL thing (which might be an incidence of the no default, I'm no db expert in any way).

#11 - 2010-07-06 23:01 - Holger Just

- File 0001-Force-the-default-value-of-path-to-be-set-on-the-Cha.patch added

I created an amendment patch to the first one. It removes the default value from the column and instead sets it in a before_save hook in the model. This should fix the issue.

It is also available on Github.

#12 - 2010-07-06 23:07 - Eric Davis

- Status changed from Reopened to Closed

I've changed the migration in r3830. It's odd because both my desktop and CI server showed that migration working with MySQL, SQLite, and Postgres.

#13 - 2010-07-23 08:16 - Kirill Ponomarev

I updated Redmine to r3859 and got error when migrate:

```
(in C:/redmine trunk)
** Invoke db:migrate (first_time)
** Invoke environment (first_time)
** Execute environment
** Execute db:migrate
==  ChangeChangesPathLengthLimit: migrating ====================================
-- change_column(:changes, :path, :text, {:null=>false})
rake aborted!
An error has occurred, all later migrations canceled:

Mysql::Error: BLOB/TEXT column 'path' can't have a default value: ALTER TABLE `c
hanges` CHANGE `path` `path` text DEFAULT '' NOT NULL
c:/ruby/lib/ruby/gems/1.8/gems/activerecord-2.3.5/lib/active_record/connection_a
dapters/abstract_adapter.rb:219:in `log'
c:/ruby/lib/ruby/gems/1.8/gems/activerecord-2.3.5/lib/active_record/connection_a
dapters/mysql_adapter.rb:323:in `execute'
c:/ruby/lib/ruby/gems/1.8/gems/activerecord-2.3.5/lib/active_record/connection_a
dapters/mysql_adapter.rb:511:in `change_column'
c:/ruby/lib/ruby/gems/1.8/gems/activerecord-2.3.5/lib/active_record/migration.rb
:352:in `send'
c:/ruby/lib/ruby/gems/1.8/gems/activerecord-2.3.5/lib/active_record/migration.rb
:352:in `method_missing'
c:/ruby/lib/ruby/gems/1.8/gems/activerecord-2.3.5/lib/active_record/migration.rb
:328:in `say_with_time'
c:/ruby/lib/ruby/1.8/benchmark.rb:293:in `measure'
c:/ruby/lib/ruby/gems/1.8/gems/activerecord-2.3.5/lib/active_record/migration.rb
:328:in `say_with_time'
c:/ruby/lib/ruby/gems/1.8/gems/activerecord-2.3.5/lib/active_record/migration.rb
:348:in `method_missing'
./db/migrate//20100705164950_change_changes_path_length_limit.rb:3:in `up_withou
t_benchmarks'
c:/ruby/lib/ruby/gems/1.8/gems/activerecord-2.3.5/lib/active_record/migration.rb
:282:in `send'
c:/ruby/lib/ruby/gems/1.8/gems/activerecord-2.3.5/lib/active_record/migration.rb
:282:in `migrate'
c:/ruby/lib/ruby/1.8/benchmark.rb:293:in `measure'
c:/ruby/lib/ruby/gems/1.8/gems/activerecord-2.3.5/lib/active_record/migration.rb
```

```
:282:in `migrate'
c:1:in `__send__'
c:1:in `migrate'
c:/ruby/lib/ruby/gems/1.8/gems/activerecord-2.3.5/lib/active_record/migration.rb
:486:in `migrate'
c:/ruby/lib/ruby/gems/1.8/gems/activerecord-2.3.5/lib/active_record/migration.rb
:562:in `call'
c:/ruby/lib/ruby/gems/1.8/gems/activerecord-2.3.5/lib/active_record/migration.rb
:562:in `ddl_transaction'
c:/ruby/lib/ruby/gems/1.8/gems/activerecord-2.3.5/lib/active_record/migration.rb
:485:in `migrate'
c:/ruby/lib/ruby/gems/1.8/gems/activerecord-2.3.5/lib/active_record/migration.rb
:472:in `each'
c:/ruby/lib/ruby/gems/1.8/gems/activerecord-2.3.5/lib/active_record/migration.rb
:472:in `migrate'
c:/ruby/lib/ruby/gems/1.8/gems/activerecord-2.3.5/lib/active_record/migration.rb
:400:in `up'
c:/ruby/lib/ruby/gems/1.8/gems/activerecord-2.3.5/lib/active_record/migration.rb
:383:in `migrate'
c:/ruby/lib/ruby/gems/1.8/gems/rails-2.3.5/lib/tasks/databases.rake:116
c:/ruby/lib/ruby/gems/1.8/gems/rake-0.8.7/lib/rake.rb:636:in `call'
c:/ruby/lib/ruby/gems/1.8/gems/rake-0.8.7/lib/rake.rb:636:in `execute'
c:/ruby/lib/ruby/gems/1.8/gems/rake-0.8.7/lib/rake.rb:631:in `each'
c:/ruby/lib/ruby/gems/1.8/gems/rake-0.8.7/lib/rake.rb:631:in `execute'
c:/ruby/lib/ruby/gems/1.8/gems/rake-0.8.7/lib/rake.rb:597:in `invoke_with_call_c
hain'
c:/ruby/lib/ruby/1.8/monitor.rb:242:in `synchronize'
c:/ruby/lib/ruby/gems/1.8/gems/rake-0.8.7/lib/rake.rb:590:in `invoke_with_call_c
hain'
c:/ruby/lib/ruby/gems/1.8/gems/rake-0.8.7/lib/rake.rb:583:in `invoke'
c:/ruby/lib/ruby/gems/1.8/gems/rake-0.8.7/lib/rake.rb:2051:in `invoke_task'
c:/ruby/lib/ruby/gems/1.8/gems/rake-0.8.7/lib/rake.rb:2029:in `top_level'
c:/ruby/lib/ruby/gems/1.8/gems/rake-0.8.7/lib/rake.rb:2029:in `each'
c:/ruby/lib/ruby/gems/1.8/gems/rake-0.8.7/lib/rake.rb:2029:in `top_level'
c:/ruby/lib/ruby/gems/1.8/gems/rake-0.8.7/lib/rake.rb:2068:in `standard_exceptio
n_handling'
c:/ruby/lib/ruby/gems/1.8/gems/rake-0.8.7/lib/rake.rb:2023:in `top_level'
c:/ruby/lib/ruby/gems/1.8/gems/rake-0.8.7/lib/rake.rb:2001:in `run'
c:/ruby/lib/ruby/gems/1.8/gems/rake-0.8.7/lib/rake.rb:2068:in `standard_exceptio
n_handling'
c:/ruby/lib/ruby/gems/1.8/gems/rake-0.8.7/lib/rake.rb:1998:in `run'
c:/ruby/lib/ruby/gems/1.8/gems/rake-0.8.7/bin/rake:31
c:/ruby/bin/rake:19:in `load'
c:/ruby/bin/rake:19
```

#14 - 2010-07-23 09:35 - Felix Schäfer

Kirill Ponomarev wrote:

> I updated Redmine to r3859 and got error when migrate:

You probably are on MySQL on a 32bit windows? We are already aware of this, a fix should get pushed soon (you can get the fix here if you are in a hurry).

#15 - 2010-07-24 02:20 - Eric Davis

- Target version changed from 1.0.0 (RC) to 1.0.1

- Affected version (unused) set to 1.0.0-RC

Updated the migration in r3860 and r3861.

#16 - 2010-08-09 02:38 - Peter Lieverdink

For the record, this is not a problem on Windows only. MariaDB 5.1 (and thus MySQL 5.1 and newer) on Linux have the same issue.

A quick fix if you're running 1.0.0 from git is:

git cherry-pick a628b0f186cf4d182ce5cee1a497ad42c5246406

Files

5771-Allow-arbitrary-length-filenames-in-repositories-5771.patch	51.2 KB	2010-07-05	Holger Just
0001-Force-the-default-value-of-path-to-be-set-on-the-Cha.patch	1.41 KB	2010-07-06	Holger Just