

Foreman - Bug #4518

DB migrations: Can't DROP 'role_id'; check that column/key exists

03/03/2014 11:09 AM - Dominic Cleal

Status: New	
Priority: Normal	
Assignee:	
Category: DB migrations	
Target version:	
Difficulty:	Fixed in Releases:
Triaged:	Found in Releases:
Bugzilla link:	Red Hat JIRA:
Pull request:	
Description	
Between 1.3 to 1.4, the following error occurs:	
<pre>\$ /usr/sbin/foreman-rake db:migrate == RemoveUnusedRoleFields: migrating ===== -- remove_column(:users, :role_id) rake aborted! An error has occurred, all later migrations canceled:</pre>	
<pre>Mysql2::Error: Can't DROP 'role_id'; check that column/key exists: ALTER TABLE `users` DROP `role_id` Tasks: TOP => db:migrate (See full trace by running task with --trace)</pre>	
It might also be the second column removal in the migration causing it on the first run.	
Workaround: comment out lines 3 and 4 in /usr/share/foreman/db/migrate/20130924145800_remove_unused_role_fields.rb, run foreman-rake db:migrate; foreman-rake db:seed and restart Apache/Foreman.	
Related issues:	
Has duplicate Foreman - Bug #4523: DB migration fails while upgrading theforeman...	Duplicate 03/03/2014

History

#1 - 03/03/2014 01:53 PM - Dominic Cleal

- Has duplicate Bug #4523: DB migration fails while upgrading theforeman from 1.3 to 1.4 added

#2 - 03/04/2014 01:37 PM - Dominic Cleal

A user just reported this error on a migration up from 0.4 to 1.4 in steps on their first migration run:

```
PG::UndefinedColumn: ERROR: column "inherited_from" of relation "user_roles" does not exist
```

I can't find any indication in git history though that this might have been added later.

#3 - 03/15/2014 01:39 PM - Brian Galura

I am also having this going from 1.3.2 to 1.4.1

```
1. foreman-rake db:migrate
   RemoveUnusedRoleFields: migrating =====
   -- remove_column(:users, :role_id)
   > 0.0008s
   - remove_column(:user_roles, :inherited_from)
   rake aborted!
   An error has occurred, all later migrations canceled:
```

```
Mysql2::Error: Can't DROP 'inherited_from'; check that column/key exists: ALTER TABLE `user_roles` DROP `inherited_from`
```

```
Tasks: TOP => db:migrate
```

(See full trace by running task with --trace)
[root@foreman ~]# foreman-rake db:migrate --trace

- Invoke db:migrate (first_time)
 - Invoke environment (first_time)
 - Execute environment
 - Invoke db:load_config (first_time)
 - Execute db:load_config
 - Execute db:migrate
- ```
RemoveUnusedRoleFields: migrating =====
-- remove_column(:users, :role_id)
rake aborted!
An error has occurred, all later migrations canceled:
```

```
Mysql2::Error: Can't DROP 'role_id'; check that column/key exists: ALTER TABLE `users` DROP `role_id`
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/connection_adapters/abstract_mysql_adapter.rb:245:in `query'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/connection_adapters/abstract_mysql_adapter.rb:245:in `block in execute'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/connection_adapters/abstract_adapter.rb:280:in `block in log'
/opt/rh/ruby193/root/usr/share/gems/gems/activesupport-3.2.8/lib/active_support/notifications/instrumenter.rb:20:in `instrument'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/connection_adapters/abstract_adapter.rb:275:in `log'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/connection_adapters/abstract_mysql_adapter.rb:245:in `execute'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/connection_adapters/mysql2_adapter.rb:211:in `execute'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/connection_adapters/abstract/schema_statements.rb:279:in `block in remove_column'
,
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/connection_adapters/abstract/schema_statements.rb:278:in `each'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/connection_adapters/abstract/schema_statements.rb:278:in `remove_column'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/migration.rb:466:in `block in method_missing'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/migration.rb:438:in `block in say_with_time'
/opt/rh/ruby193/root/usr/share/ruby/benchmark.rb:280:in `measure'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/migration.rb:438:in `say_with_time'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/migration.rb:458:in `method_missing'
/usr/share/foreman/db/migrate/20130924145800_remove_unused_role_fields.rb:3:in `up'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/migration.rb:410:in `block (2 levels) in migrate'
/opt/rh/ruby193/root/usr/share/ruby/benchmark.rb:280:in `measure'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/migration.rb:410:in `block in migrate'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/connection_adapters/abstract/connection_pool.rb:123:in `with_connection'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/migration.rb:389:in `migrate'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/migration.rb:528:in `migrate'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/migration.rb:720:in `block (2 levels) in migrate'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/migration.rb:777:in `call'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/migration.rb:777:in `ddl_transaction'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/migration.rb:719:in `block in migrate'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/migration.rb:700:in `each'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/migration.rb:700:in `migrate'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/migration.rb:570:in `up'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/migration.rb:551:in `migrate'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/railties/databases.rake:153:in `block (2 levels) in <top (required)>'
/opt/rh/ruby193/root/usr/share/ruby/rake/task.rb:205:in `call'
/opt/rh/ruby193/root/usr/share/ruby/rake/task.rb:205:in `block in execute'
/opt/rh/ruby193/root/usr/share/ruby/rake/task.rb:200:in `each'
/opt/rh/ruby193/root/usr/share/ruby/rake/task.rb:200:in `execute'
/opt/rh/ruby193/root/usr/share/ruby/rake/task.rb:158:in `block in invoke_with_call_chain'
/opt/rh/ruby193/root/usr/share/ruby/monitor.rb:211:in `mon_synchronize'
/opt/rh/ruby193/root/usr/share/ruby/rake/task.rb:151:in `invoke_with_call_chain'
/opt/rh/ruby193/root/usr/share/ruby/rake/task.rb:144:in `invoke'
/opt/rh/ruby193/root/usr/share/ruby/rake/application.rb:116:in `invoke_task'
/opt/rh/ruby193/root/usr/share/ruby/rake/application.rb:94:in `block (2 levels) in top_level'
/opt/rh/ruby193/root/usr/share/ruby/rake/application.rb:94:in `each'
/opt/rh/ruby193/root/usr/share/ruby/rake/application.rb:94:in `block in top_level'
/opt/rh/ruby193/root/usr/share/ruby/rake/application.rb:133:in `standard_exception_handling'
/opt/rh/ruby193/root/usr/share/ruby/rake/application.rb:88:in `top_level'
/opt/rh/ruby193/root/usr/share/ruby/rake/application.rb:66:in `block in run'
/opt/rh/ruby193/root/usr/share/ruby/rake/application.rb:133:in `standard_exception_handling'
/opt/rh/ruby193/root/usr/share/ruby/rake/application.rb:63:in `run'
/opt/rh/ruby193/root/usr/bin/rake:32:in `<main>'
Tasks: TOP => db:migrate
```

#### #4 - 08/01/2014 04:20 PM - Joshua Hoblitt

This happens when migrating from 1.2 -> 1.5 directly and between 1.3 -> 1.4. The fix is to comment out the remove\_column methods in 20130924145800\_remove\_unused\_role\_fields.rb

```
== RemoveUnusedRoleFields: migrating =====
-- remove_column(:users, :role_id)
 -> 0.0227s
-- remove_column(:user_roles, :inherited_from)
rake aborted!
An error has occurred, all later migrations canceled:

Mysql2::Error: Can't DROP 'inherited_from'; check that column/key exists: ALTER TABLE `user_roles` DROP `inherited_from`
```

```
Tasks: TOP => db:migrate
(See full trace by running task with --trace)
```

```
20130924145800_remove_unused_role_fields.rb
class RemoveUnusedRoleFields < ActiveRecord::Migration
 def up
 remove_column :users, :role_id
 #remove_column :user_roles, :inherited_from
 end

 def down
 add_column :users, :role_id, :integer
 add_column :user_roles, :inherited_from, :integer
 end
end
```

```
== RemoveUnusedRoleFields: migrating =====
-- remove_column(:users, :role_id)
rake aborted!
An error has occurred, all later migrations canceled:

Mysql2::Error: Can't DROP 'role_id'; check that column/key exists: ALTER TABLE `users` DROP `role_id`
```

```
Tasks: TOP => db:migrate
(See full trace by running task with --trace)
```

```
20130924145800_remove_unused_role_fields.rb
class RemoveUnusedRoleFields < ActiveRecord::Migration
 def up
 #remove_column :users, :role_id
 #remove_column :user_roles, :inherited_from
 end

 def down
 add_column :users, :role_id, :integer
 add_column :user_roles, :inherited_from, :integer
 end
end
```