

Foreman - Bug #4731

Creating domain when organization selected produces duplicate key error

03/19/2014 08:31 PM - Ivan Necas

Status: Closed	
Priority: High	
Assignee: Joseph Magen	
Category: Database	
Target version: 1.5.0	
Difficulty:	Fixed in Releases:
Triaged:	Found in Releases:
Bugzilla link: 1079999	Red Hat JIRA:
Pull request:	
Description 1. choose organization 2. create new domain Expected: new domain created Current: Warning! ERROR: duplicate key value violates unique constraint "domains_pkey" Notice: When no org is selected, it works without issues	
Related issues:	
Related to Foreman - Bug #4932: Creating Compute Resource results in DB error	Duplicate 03/28/2014
Related to Foreman - Bug #16389: Can't create taxable e.g. domain object if I...	Closed 08/31/2016
Has duplicate Foreman - Bug #4729: Importing subnet fails on unknown attribute	Duplicate 03/19/2014

Associated revisions

Revision 3c4051e9 - 03/31/2014 01:05 PM - Joseph Magen

fixes #4731 - Rails 3.2.8 causing _pkey constraint errors

History

#1 - 03/19/2014 08:31 PM - Ivan Necas

- Description updated

#2 - 03/19/2014 09:51 PM - Ivan Necas

- Priority changed from Normal to High

Similar issue happens, when trying to create new provisioning template inside an org:

```
ERROR: duplicate key value violates unique constraint "config_templates_pkey"
```

#3 - 03/20/2014 08:30 AM - Dominic Cleal

- Category set to Database

Occurs on PostgreSQL, not SQLite.

It looks like the ID is generated in the SQL instead of using a sequence, which ends up with a duplicate? In this example, I already had a single

domain with ID=1, added a second (foo.example.com) within an org/loc context and the same ID was assigned.

```
SQL (2.2ms) INSERT INTO "domains" ("created_at", "dns_id", "fullname", "hostgroups_count", "hosts_count", "id", "name", "updated_at") VALUES ($1, $2, $3, $4, $5, $6, $7, $8) RETURNING "id" [{"created_at", Thu, 20 Mar 2014 08:24:47 UTC +00:00}, {"dns_id", nil}, {"fullname", ""}, {"hostgroups_count", 0}, {"hosts_count", 0}, {"id", 1}, {"name", "foo.example.com"}, {"updated_at", Thu, 20 Mar 2014 08:24:47 UTC +00:00}]
PGError: ERROR: duplicate key value violates unique constraint "domains_pkey"
: INSERT INTO "domains" ("created_at", "dns_id", "fullname", "hostgroups_count", "hosts_count", "id", "name", "updated_at") VALUES ($1, $2, $3, $4, $5, $6, $7, $8) RETURNING "id"
(0.1ms) ROLLBACK
Operation FAILED: ERROR: duplicate key value violates unique constraint "domains_pkey"
```

```
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/connection_adapters/postgresql_adapter.rb:1171:in `get_last_result'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/connection_adapters/postgresql_adapter.rb:1171:in `exec_cache'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/connection_adapters/postgresql_adapter.rb:665:in `block in exec_query'
/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/postgresql_adapter.rb:663:in `exec_query'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/connection_adapters/abstract/database_statements.rb:63:in `exec_insert'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/connection_adapters/abstract/database_statements.rb:90:in `insert'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/connection_adapters/abstract/query_cache.rb:14:in `insert'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/relation.rb:66:in `insert'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/persistence.rb:366:in `create'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/timestamp.rb:57:in `create'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/callbacks.rb:268:in `block in create'
/opt/rh/ruby193/root/usr/share/gems/gems/activesupport-3.2.8/lib/active_support/callbacks.rb:403:in `__run__3837851857623516097__create__137576595651868549__callbacks'
/opt/rh/ruby193/root/usr/share/gems/gems/activesupport-3.2.8/lib/active_support/callbacks.rb:405:in `__run_callback'
/opt/rh/ruby193/root/usr/share/gems/gems/activesupport-3.2.8/lib/active_support/callbacks.rb:385:in `_run_create_callbacks'
/opt/rh/ruby193/root/usr/share/gems/gems/activesupport-3.2.8/lib/active_support/callbacks.rb:81:in `run_callbacks'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/callbacks.rb:268:in `create'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/persistence.rb:347:in `create_or_update'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/callbacks.rb:264:in `block in create_or_update'
/opt/rh/ruby193/root/usr/share/gems/gems/activesupport-3.2.8/lib/active_support/callbacks.rb:425:in `__run__3837851857623516097__save__137576595651868549__callbacks'
/opt/rh/ruby193/root/usr/share/gems/gems/activesupport-3.2.8/lib/active_support/callbacks.rb:405:in `__run_callback'
/opt/rh/ruby193/root/usr/share/gems/gems/activesupport-3.2.8/lib/active_support/callbacks.rb:385:in `_run_save_callbacks'
/opt/rh/ruby193/root/usr/share/gems/gems/activesupport-3.2.8/lib/active_support/callbacks.rb:81:in `run_callbacks'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/callbacks.rb:264:in `create_or_update'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/persistence.rb:84:in `save'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/validations.rb:50:in `save'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/attribute_methods/dirty.rb:22:in `save'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/transactions.rb:241:in `block (2 levels) in save'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/transactions.rb:295:in `block in with_transaction_returning_status'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/connection_adapters/abstract/database_statements.rb:192:in `transaction'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/transactions.rb:208:in `transaction'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/transactions.rb:293:in `with_transaction_returning_status'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/transactions.rb:241:in `block in
```

```
save'  
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/transactions.rb:252:in `rollback_active_record_state!'  
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/transactions.rb:240:in `save'  
/usr/share/foreman/app/controllers/domains_controller.rb:16:in `create'
```

#4 - 03/24/2014 01:39 PM - Dominic Cleal

Likely the same as https://bugzilla.redhat.com/show_bug.cgi?id=1079999

#5 - 03/28/2014 02:38 AM - Mike McCune

is there a workaround for this? It is pretty fatal for getting much of anything done with upstream and downstream builds.

#6 - 03/28/2014 02:39 AM - Mike McCune

looks like if you have Any Org selected it works fine. duh

#7 - 03/28/2014 02:47 AM - Mike McCune

also perhaps related to:

<http://projects.theforeman.org/issues/4932>

#8 - 03/28/2014 08:20 AM - Dominic Cleal

- Related to Bug #4932: Creating Compute Resource results in DB error added

#9 - 03/30/2014 07:20 AM - Joseph Magen

- Status changed from New to Assigned

- Assignee set to Joseph Magen

#10 - 03/30/2014 08:36 AM - Joseph Magen

- Status changed from Assigned to Ready For Testing

<https://github.com/theforeman/foreman/pull/1337>

#11 - 03/30/2014 08:49 AM - Ohad Levy

how was the initial database created? was it using plain install, or rather prod2dev rake task?

#12 - 03/30/2014 08:50 AM - Ohad Levy

or rather this is a db restore?

#13 - 03/30/2014 04:16 PM - Justin Sherrill

The db is created using the normal installer(s). I am able to reproduce on the nightly foreman installation with orgs and locations enabled. The rake task solution is not appropriate as the assumed cause is not true.

#14 - 03/30/2014 04:32 PM - Justin Sherrill

Note that the error only occurs upon creation of the 2nd domain and an org needs to be selected during the creation of both.

#15 - 03/31/2014 01:29 AM - Justin Sherrill

Also, only seems to occur with Rails 3.2.8 even in development (3.2.8 is currently used in production)

#16 - 03/31/2014 07:24 AM - Dominic Cleal

- Status changed from Ready For Testing to Assigned

Maybe this should be filed against RHSCl if the Rails fix can be identified.

#17 - 03/31/2014 08:53 AM - Ohad Levy

- Target version set to 1.8.4

- translation missing: en.field_release set to 9

#18 - 03/31/2014 09:17 AM - Dominic Cleal

- Status changed from Assigned to Ready For Testing

<https://github.com/theforeman/foreman/pull/1339>

#19 - 03/31/2014 11:55 AM - Dominic Cleal

- Bugzilla link set to https://bugzilla.redhat.com/show_bug.cgi?id=1079999

#20 - 03/31/2014 12:03 PM - Dominic Cleal

- Has duplicate Bug #4729: Importing subnet fails on unknown attribute added

#21 - 03/31/2014 01:31 PM - Joseph Magen

- Status changed from Ready For Testing to Closed

- % Done changed from 0 to 100

Applied in changeset [3c4051e93e20ed228c70b6eca74c7d4007901e12](#).

#22 - 04/18/2014 01:40 AM - Dominic Cleal

- translation missing: en.field_release changed from 9 to 4

#23 - 08/31/2016 05:25 AM - Marek Hulán

- Related to Bug #16389: Can't create taxable e.g. domain object if I'm in context of specific organization or location added