

## Foreman - Bug #4641

### Deleting user with associated roles triggers PG::NotNullViolation

03/12/2014 11:19 AM - Dominic Cleal

<b>Status:</b>	Closed	
<b>Priority:</b>	Normal	
<b>Assignee:</b>	Maria Nita	
<b>Category:</b>	Database	
<b>Target version:</b>	1.6.0	
<b>Difficulty:</b>		<b>Fixed in Releases:</b>
<b>Triaged:</b>		<b>Found in Releases:</b>
<b>Bugzilla link:</b>		<b>Red Hat JIRA:</b>
<b>Pull request:</b>	<a href="https://github.com/foreman/foreman/pull/1371">https://github.com/foreman/foreman/pull/1371</a>	

#### Description

When deleting a user with associated roles, a PG::NotNullViolation is logged.

```
Started DELETE "/users/5-manager" for 127.0.0.1 at 2014-03-12 11:14:16 +0000
```

```
Processing by UsersController#destroy as HTML
```

```
Parameters: {"authenticity_token"=>"wzjXWaEKXmEYUJ6ROjqfRjWmyUJzUzbcnppgD9PtJ90=", "id"=>"5-manager"}
```

```
User Load (1.0ms) SELECT "users".* FROM "users" WHERE "users"."id" = $1 LIMIT 1 [{"id", 1}]
```

```
Setting current user thread-local variable to admin
```

```
User Load (0.5ms) SELECT "users".* FROM "users" WHERE "users"."id" = $1 ORDER BY firstname LIMIT 1 [{"id", "5-manager"}]
```

```
(0.2ms) BEGIN
```

```
TaxableTaxonomy Load (0.4ms) SELECT "taxable_taxonomies".* FROM "taxable_taxonomies" WHERE "taxable_taxonomies"."taxable_id" = 5 AND "taxable_taxonomies"."taxable_type" = 'User'
```

```
CACHE (0.0ms) SELECT "taxable_taxonomies".* FROM "taxable_taxonomies" WHERE "taxable_taxonomies"."taxable_id" = 5 AND "taxable_taxonomies"."taxable_type" = 'User'
```

```
User Load (0.6ms) SELECT "users".* FROM "users" WHERE "users"."id" = 5 ORDER BY firstname LIMIT 1
```

```
(0.5ms) SELECT MAX("audits"."version") AS max_id FROM "audits" WHERE "audits"."auditable_id" = 5 AND "audits"."auditable_type" = 'User'
```

```
SQL (1.4ms) INSERT INTO "audits" ("action", "associated_id", "associated_name", "associated_type", "auditable_id", "auditable_name", "auditable_type", "audited_changes", "comment", "created_at", "remote_address", "user_id", "user_type", "username", "version") VALUES ($1, $2, $3, $4, $5, $6, $7, $8, $9, $10, $11, $12, $13, $14, $15) RETURNING "id" [{"action", "destroy"}, {"associated_id", nil}, {"associated_name", nil}, {"associated_type", nil}, {"auditable_id", 5}, {"auditable_name", "Manager"}, {"auditable_type", "User"}, {"audited_changes", "---\nlogin: manager\nfirstname: Manager\nlastname: '\nmail: manager@localhost\nadmin: false\nauth_source_id: 1\ndomains_andor: or\nhostgroups_andor: or\nfacts_andor: or\nfilter_on_owner: false\ncompute_resources_andor: or\norganizations_andor: or\nlocations_andor: or\nsubscribe_to_all_hostgroups: \nlocale: \navatar_hash: \n"}, {"comment", nil}, {"created_at", Wed, 12 Mar 2014 11:14:16 UTC +00:00}, {"remote_address", "127.0.0.1"}, {"user_id", nil}, {"user_type", nil}, {"username", "Admin User"}, {"version", 2}]
```

```
Host::Managed Load (1.1ms) SELECT "hosts".* FROM "hosts" WHERE "hosts"."type" IN ('Host::Managed') AND "hosts"."owner_id" = 5 AND "hosts"."owner_type" = 'User'
```

```
Hostgroup Load (1.4ms) SELECT "hostgroups".* FROM "hostgroups" INNER JOIN "user_hostgroups" ON "hostgroups"."id" = "user_hostgroups"."hostgroup_id" WHERE "user_hostgroups"."user_id" = 5 ORDER BY hostgroups.title
```

```
UsergroupMember Load (0.3ms) SELECT "usergroup_members".* FROM "usergroup_members" WHERE "usergroup_members"."member_id" = 5 AND "usergroup_members"."member_type" = 'User'
```

```
UserRole Load (0.2ms) SELECT "user_roles".* FROM "user_roles" WHERE "user_roles"."owner_id" = 5 AND "user_roles"."owner_type" = 'User'
```

```
CachedUserRole Load (0.3ms) SELECT "cached_user_roles".* FROM "cached_user_roles" WHERE "cached_user_roles"."user_role_id" = 61
```

```
SQL (0.6ms) DELETE FROM "cached_user_roles" WHERE "cached_user_roles"."id" = $1 [{"id", 21}]
```

```
SQL (0.4ms) DELETE FROM "user_roles" WHERE "user_roles"."id" = $1 [{"id", 61}]
```

```
CachedUserRole Load (0.3ms) SELECT "cached_user_roles".* FROM "cached_user_roles" WHERE "cached_user_roles"."user_role_id" = 63
```

```

SQL (0.2ms) DELETE FROM "cached_user_roles" WHERE "cached_user_roles"."id" = $1 [{"id", 22}]
SQL (0.2ms) DELETE FROM "user_roles" WHERE "user_roles"."id" = $1 [{"id", 63}]
CachedUserRole Load (0.3ms) SELECT "cached_user_roles".* FROM "cached_user_roles" WHERE "cached_user_roles"."user_role_id" = 64
SQL (0.2ms) DELETE FROM "cached_user_roles" WHERE "cached_user_roles"."id" = $1 [{"id", 23}]
SQL (0.2ms) DELETE FROM "user_roles" WHERE "user_roles"."id" = $1 [{"id", 64}]
Role Load (0.4ms) SELECT "roles".* FROM "roles" INNER JOIN "user_roles" ON "roles"."id" = "user_roles"."role_id" WHERE "user_roles"."owner_id" = 5 AND "user_roles"."owner_type" = 'User'
CachedUserRole Load (0.4ms) SELECT "cached_user_roles".* FROM "cached_user_roles" WHERE "cached_user_roles"."user_id" = 5
UserHostgroup Load (0.3ms) SELECT "user_hostgroups".* FROM "user_hostgroups" WHERE "user_hostgroups"."user_id" = 5
UserFact Load (0.3ms) SELECT "user_facts".* FROM "user_facts" WHERE "user_facts"."user_id" = 5
Domain Load (0.4ms) SELECT "domains".* FROM "domains" INNER JOIN "user_domains" ON "domains"."id" = "user_domains"."domain_id" WHERE "user_domains"."user_id" = 5 ORDER BY domains.name
ComputeResource Load (0.4ms) SELECT "compute_resources".* FROM "compute_resources" INNER JOIN "user_compute_resources" ON "compute_resources"."id" = "user_compute_resources"."compute_resource_id" WHERE "user_compute_resources"."user_id" = 5 ORDER BY compute_resources.name
Notice Load (0.4ms) SELECT "notices".* FROM "notices" INNER JOIN "user_notices" ON "notices"."id" = "user_notices"."notice_id" WHERE "user_notices"."user_id" = 5
SQL (1.2ms) DELETE FROM "users" WHERE "users"."id" = $1 [{"id", 5}]
(4.4ms) COMMIT
Role Load (0.4ms) SELECT "roles".* FROM "roles" WHERE "roles"."name" = 'Anonymous' LIMIT 1
(0.1ms) BEGIN
UserRole Exists (0.4ms) SELECT 1 AS one FROM "user_roles" WHERE ("user_roles"."owner_id" = 5 AND "user_roles"."role_id" = 8 AND "user_roles"."owner_type" = 'User') LIMIT 1
SQL (0.8ms) INSERT INTO "user_roles" ("owner_id", "owner_type", "role_id") VALUES ($1, $2, $3) RETURNING "id" [{"owner_id", 5}, {"owner_type", "User"}, {"role_id", 8}]
User Load (0.9ms) SELECT "users".* FROM "users" WHERE "users"."id" = 5 ORDER BY firstname LIMIT 1
SQL (1.2ms) INSERT INTO "cached_user_roles" ("created_at", "role_id", "updated_at", "user_id", "user_role_id") VALUES ($1, $2, $3, $4, $5) RETURNING "id" [{"created_at", Wed, 12 Mar 2014 11:14:16 UTC +00:00}, {"role_id", 8}, {"updated_at", Wed, 12 Mar 2014 11:14:16 UTC +00:00}, {"user_id", nil}, {"user_role_id", 91}]
PG::NotNullViolation: ERROR: null value in column "user_id" violates not-null constraint
: INSERT INTO "cached_user_roles" ("created_at", "role_id", "updated_at", "user_id", "user_role_id") VALUES ($1, $2, $3, $4, $5) RETURNING "id"
(0.1ms) ROLLBACK
PG::NotNullViolation: ERROR: null value in column "user_id" violates not-null constraint
: INSERT INTO "cached_user_roles" ("created_at", "role_id", "updated_at", "user_id", "user_role_id") VALUES ($1, $2, $3, $4, $5) RETURNING "id"
Redirected to http://0.0.0.0:3000/users
Completed 302 Found in 354.6ms (ActiveRecord: 38.0ms)

```

[https://bugzilla.redhat.com/show\\_bug.cgi?id=1075550](https://bugzilla.redhat.com/show_bug.cgi?id=1075550)

#### Related issues:

Has duplicate Foreman - Bug #6361: menu item "Hosts --> All hosts" is visible...	<b>Closed</b>	<b>06/24/2014</b>
Blocks Foreman - Tracker #4552: New permissions/authorization system issues	<b>New</b>	

#### Associated revisions

##### Revision a0bd5bb2 - 07/24/2014 01:49 PM - Maria Nita

fixes #4641 - Ensure default role only after save/update. Change default role permissions

##### Revision 78551af8 - 07/24/2014 02:24 PM - Maria Nita

refs #4641 - update to functional test

#### History

##### #1 - 03/12/2014 11:21 AM - Dominic Cleal

- Related to Tracker #4552: New permissions/authorization system issues added

##### #2 - 03/12/2014 11:22 AM - Dominic Cleal

- Related to deleted (Tracker #4552: New permissions/authorization system issues)

**#3 - 03/12/2014 11:22 AM - Dominic Cleal**

- Blocks Tracker #4552: New permissions/authorization system issues added

**#4 - 04/04/2014 07:56 PM - Maria Nita**

I tried to write a regression test case for this, but no luck.

This is the test [https://github.com/marianitadn/foreman/blob/4641-delete-user/test/unit/user\\_test.rb#L341-L351](https://github.com/marianitadn/foreman/blob/4641-delete-user/test/unit/user_test.rb#L341-L351), but it doesn't fail.

I think I have an idea for the solution, but without a test I can't be convinced.

**#5 - 04/07/2014 08:58 AM - Dominic Cleal**

I think this could be tricky to test, as the deletion and therefore your test are actually successful. The error seems to be coming from the "ensure\_default\_role" after\_commit hook on the User model (thanks to Marek for pointing to this). Errors in here seem to be swallowed and are only hitting the logs. It looks like the test\_after\_commit gem would enable testing of it, if you want to try it out.

Probably setting the after\_commit hook to run on create and update only would fix the issue.

**#6 - 04/18/2014 03:06 PM - Dominic Cleal**

- Status changed from New to Ready For Testing

- Assignee set to Maria Nita

- Target version set to 1.8.4

<https://github.com/foreman/foreman/pull/1371>

**#7 - 04/24/2014 10:22 AM - Anonymous**

- Target version changed from 1.8.4 to 1.8.3

**#8 - 04/24/2014 10:22 AM - Anonymous**

- Target version changed from 1.8.3 to 1.8.4

**#9 - 04/24/2014 10:25 AM - Anonymous**

- Target version changed from 1.8.4 to 1.8.3

**#10 - 05/19/2014 12:41 PM - Anonymous**

- Target version changed from 1.8.3 to 1.8.2

**#11 - 06/11/2014 02:56 PM - Anonymous**

- Target version changed from 1.8.2 to 1.8.1

**#12 - 07/07/2014 07:20 AM - Anonymous**

- Target version changed from 1.8.1 to 1.8.0

**#13 - 07/22/2014 10:53 AM - The Foreman Bot**

- Pull request <https://github.com/foreman/foreman/pull/1371> added

**#14 - 07/24/2014 01:58 PM - Dominic Cleal**

- translation missing: en.field\_release set to 10

**#15 - 07/24/2014 02:00 PM - Dominic Cleal**

- Has duplicate Bug #6361: menu item "Hosts --> All hosts" is visible to normal user from anonymous role by default added

**#16 - 07/24/2014 02:01 PM - Maria Nita**

- Status changed from Ready For Testing to Closed

- % Done changed from 0 to 100

Applied in changeset [a0bd5bb282c27f72a5e3746a1582b73366c15d21](https://github.com/foreman/foreman/commit/a0bd5bb282c27f72a5e3746a1582b73366c15d21).