# Foreman - Bug #4641

Deleting user with associated roles triggers PG::NotNullViolation

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

| Status:    | Closed       |
| Priority:  | Normal       |
| Assignee:  | Maria Nita   |
| Category:  | Database     |
| Target version: | 1.6.0 |
| Difficulty: |              |
| Pull request: | https://github.com/theforeman/foreman/pull/1371 |

| Triaged: |              |
| Bugzilla link: | Found in Releases: |

## Description

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

```ruby
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"=>"wzjXWaEKKmEUyJ6RoqRjWmyUJzUbcnppgD9PtJ90==", "id"=>"5-manager"}
User Load (1.0ms) SELECT "users".id FROM "users" WHERE "users".id = $1 LIMIT 1 [{id, 1}]
Setting current user thread-local variable to admin
User Load (0.5ms) SELECT "users".id 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_type", "Manager"}, {"auditable_type", "User"}, {"audited_changes", "---
login: manager
firstname: Manager
lastname: ''
mail: manager@localhost
admin: false
auth_source_id: 1
domains_andor: or
hostgroups_andor: or
facts_andor: or
filter_on_owner: false
compute_resources_andor: or
organizations_andor: or
locations_andor: or
subscribe_to_all_hostgroups: or
locale: 
avatar_hash: "]}, {"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]
UserRole 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
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)

**Related issues:**

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

**Closed** 06/24/2014

**New**

**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

03/09/2022 2/4
#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, 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/theforeman/foreman/pull/1371

#7 - 04/24/2014 10:22 AM - Dmitri Dolguikh
- Target version changed from 1.8.4 to 1.8.3

#8 - 04/24/2014 10:22 AM - Dmitri Dolguikh
- Target version changed from 1.8.3 to 1.8.4

#9 - 04/24/2014 10:25 AM - Dmitri Dolguikh
- Target version changed from 1.8.4 to 1.8.3

#10 - 05/19/2014 12:41 PM - Dmitri Dolguikh
- Target version changed from 1.8.3 to 1.8.2

#11 - 06/11/2014 02:56 PM - Dmitri Dolguikh
- Target version changed from 1.8.2 to 1.8.1

#12 - 07/07/2014 07:20 AM - Dmitri Dolguikh
- 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/theforeman/foreman/pull/1371 added
#14 - 07/24/2014 01:58 PM - Dominic Cleal
- Legacy Backlogs Release (now unused) 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.