

Foreman - Bug #32086

db seed triggered by sidekiq resulting in duplicate provisioning-templates

03/12/2021 06:21 PM - Markus Bucher

Status:	Closed	
Priority:	High	
Assignee:		
Category:	Database	
Target version:		
Difficulty:		Fixed in Releases: 2.5.0
Triaged:	No	Found in Releases: 2.1.3
Bugzilla link:		Red Hat JIRA:
Pull request:	https://github.com/theforeman/foreman/pull/8392	

Description

We had the problem that after adding templates in `app/views/unattended/..` and restarting services with `foreman-maintain service restart`, we ended up with the templates having been added multiple times.

I added an Exception in the seeding code and found out that the seed is not only started by foreman.service startup, but also by sidekiq processes.

Probably because sidekiq also includes foreman config and therefore also `config/initializers/seeds.rb`.

The seeding-code ran so simultaneous that the new templates were added multiple times.

Stack-Trace for the seed triggered by `sidekiq`:

```
2021-03-12T19:00:58 [E|app|] Error while attempting to seed database, please run `foreman-rake db:seed` manually!
2021-03-12T19:00:58 [E|app|] /usr/share/foreman/lib/seed_helper.rb:109:in `import_raw_template': Called IT :- (RuntimeError)
  from /usr/share/foreman/lib/seed_helper.rb:144:in `block in import_templates'
  from /usr/share/foreman/lib/seed_helper.rb:143:in `each'
  from /usr/share/foreman/lib/seed_helper.rb:143:in `import_templates'
  from /usr/share/foreman/db/seeds.d/070-provisioning_templates.rb:9:in `block in <top (required)>'
) >'
  from /opt/theforeman/tfm/root/usr/share/gems/gems/audited-4.9.0/lib/audited/auditor.rb:376:in `without_auditing'
  from /usr/share/foreman/db/seeds.d/070-provisioning_templates.rb:2:in `<top (required)>'
  from /opt/theforeman/tfm/root/usr/share/gems/gems/activesupport-6.0.3.1/lib/active_support/dependencies.rb:318:in `load'
  from /opt/theforeman/tfm/root/usr/share/gems/gems/activesupport-6.0.3.1/lib/active_support/dependencies.rb:318:in `block in load'
  from /opt/theforeman/tfm/root/usr/share/gems/gems/activesupport-6.0.3.1/lib/active_support/dependencies.rb:291:in `load_dependency'
  from /opt/theforeman/tfm/root/usr/share/gems/gems/activesupport-6.0.3.1/lib/active_support/dependencies.rb:318:in `load'
  from /usr/share/foreman/app/services/foreman_seeder.rb:57:in `block (2 levels) in execute'
  from /usr/share/foreman/app/models/concerns/foreman/thread_session.rb:108:in `as'
  from /usr/share/foreman/app/models/concerns/foreman/thread_session.rb:114:in `as_anonymous_admin'
in'
  from /usr/share/foreman/app/services/foreman_seeder.rb:56:in `block in execute'
  from /usr/share/foreman/app/services/foreman_seeder.rb:49:in `each'
  from /usr/share/foreman/app/services/foreman_seeder.rb:49:in `execute'
  from /usr/share/foreman/config/initializers/seeds.rb:13:in `block (2 levels) in <top (required)>'
) >'
  from /opt/theforeman/tfm/root/usr/share/gems/gems/activesupport-6.0.3.1/lib/active_support/lazy_load_hooks.rb:68:in `block in execute_hook'
  from /opt/theforeman/tfm/root/usr/share/gems/gems/activesupport-6.0.3.1/lib/active_support/lazy_load_hooks.rb:61:in `with_execution_control'
```

```

    from /opt/theforeman/tfm/root/usr/share/gems/gems/activesupport-6.0.3.1/lib/active_support/laz
y_load_hooks.rb:66:in `execute_hook'
    from /opt/theforeman/tfm/root/usr/share/gems/gems/activesupport-6.0.3.1/lib/active_support/laz
y_load_hooks.rb:52:in `block in run_load_hooks'
    from /opt/theforeman/tfm/root/usr/share/gems/gems/activesupport-6.0.3.1/lib/active_support/laz
y_load_hooks.rb:51:in `each'
    from /opt/theforeman/tfm/root/usr/share/gems/gems/activesupport-6.0.3.1/lib/active_support/laz
y_load_hooks.rb:51:in `run_load_hooks'
    from /opt/theforeman/tfm/root/usr/share/gems/gems/railties-6.0.3.1/lib/rails/application/finis
her.rb:129:in `block in <module:Finisher>'
    from /opt/theforeman/tfm/root/usr/share/gems/gems/railties-6.0.3.1/lib/rails/initializable.rb:
32:in `instance_exec'
    from /opt/theforeman/tfm/root/usr/share/gems/gems/railties-6.0.3.1/lib/rails/initializable.rb:
32:in `run'
    from /opt/theforeman/tfm/root/usr/share/gems/gems/railties-6.0.3.1/lib/rails/initializable.rb:
61:in `block in run_initializers'
    from /opt/rh/rh-ruby25/root/usr/share/ruby/tsort.rb:228:in `block in tsort_each'
    from /opt/rh/rh-ruby25/root/usr/share/ruby/tsort.rb:350:in `block (2 levels) in each_strongly_
connected_component'
    from /opt/rh/rh-ruby25/root/usr/share/ruby/tsort.rb:431:in `each_strongly_connected_component_
from'
    from /opt/rh/rh-ruby25/root/usr/share/ruby/tsort.rb:349:in `block in each_strongly_connected_c
omponent'
    from /opt/rh/rh-ruby25/root/usr/share/ruby/tsort.rb:347:in `each'
    from /opt/rh/rh-ruby25/root/usr/share/ruby/tsort.rb:347:in `call'
    from /opt/rh/rh-ruby25/root/usr/share/ruby/tsort.rb:347:in `each_strongly_connected_component'
    from /opt/rh/rh-ruby25/root/usr/share/ruby/tsort.rb:226:in `tsort_each'
    from /opt/rh/rh-ruby25/root/usr/share/ruby/tsort.rb:205:in `tsort_each'
    from /opt/theforeman/tfm/root/usr/share/gems/gems/railties-6.0.3.1/lib/rails/initializable.rb:
60:in `run_initializers'
    from /opt/theforeman/tfm/root/usr/share/gems/gems/railties-6.0.3.1/lib/rails/application.rb:36
3:in `initialize!'
    from /opt/theforeman/tfm/root/usr/share/gems/gems/railties-6.0.3.1/lib/rails/railtie.rb:190:in
`public_send'
    from /opt/theforeman/tfm/root/usr/share/gems/gems/railties-6.0.3.1/lib/rails/railtie.rb:190:in
`method_missing'
    from /usr/share/foreman/config/environment.rb:5:in `<top (required)>'
    from /opt/rh/rh-ruby25/root/usr/share/rubygems/rubygems/core_ext/kernel_require.rb:59:in `requ
ire'
    from /opt/rh/rh-ruby25/root/usr/share/rubygems/rubygems/core_ext/kernel_require.rb:59:in `requ
ire'
    from /opt/theforeman/tfm/root/usr/share/gems/gems/polyglot-0.3.5/lib/polyglot.rb:65:in `requir
e'
    from /opt/theforeman/tfm/root/usr/share/gems/gems/activesupport-6.0.3.1/lib/active_support/dep
endencies.rb:324:in `block in require'
    from /opt/theforeman/tfm/root/usr/share/gems/gems/activesupport-6.0.3.1/lib/active_support/dep
endencies.rb:291:in `load_dependency'
    from /opt/theforeman/tfm/root/usr/share/gems/gems/activesupport-6.0.3.1/lib/active_support/dep
endencies.rb:324:in `require'
    from /usr/share/foreman/extras/dynflow-sidekiq.rb:9:in `<top (required)>'
    from /opt/rh/rh-ruby25/root/usr/share/rubygems/rubygems/core_ext/kernel_require.rb:59:in `requ
ire'
    from /opt/rh/rh-ruby25/root/usr/share/rubygems/rubygems/core_ext/kernel_require.rb:59:in `requ
ire'
    from /opt/theforeman/tfm/root/usr/share/gems/gems/sidekiq-5.2.7/lib/sidekiq/cli.rb:292:in `boo
t_system'
    from /opt/theforeman/tfm/root/usr/share/gems/gems/sidekiq-5.2.7/lib/sidekiq/cli.rb:46:in `run'
    from /opt/theforeman/tfm/root/usr/share/gems/gems/sidekiq-5.2.7/bin/sidekiq:12:in `<top (requi
red)>'
    from /opt/theforeman/tfm/root/usr/bin/sidekiq:23:in `load'
    from /opt/theforeman/tfm/root/usr/bin/sidekiq:23:in `<main>'

```

Related issues:

Related to Katello - Bug #32277: Seed fails with PG::ForeignKeyViolation: ER...

Closed

Related to Foreman - Bug #32657: Upgrade fails with error Validation failed: ...

Closed

Associated revisions

Revision 17d88daf - 04/06/2021 09:49 AM - Markus Bucher

Fixes #32086 - seed locking

History

#1 - 03/12/2021 07:15 PM - The Foreman Bot

- Status changed from New to Ready For Testing
- Pull request <https://github.com/foreman/foreman/pull/8392> added

#2 - 04/06/2021 09:49 AM - The Foreman Bot

- Fixed in Releases 2.5.0 added

#3 - 04/06/2021 10:01 AM - Markus Bucher

- Status changed from Ready For Testing to Closed

Applied in changeset [foreman|17d88dafa43e29a42510d99bdc45a07e1ddc4c52](#).

#4 - 04/08/2021 07:28 PM - Justin Sherrill

- Related to Bug #32277: Seed fails with PG::ForeignKeyViolation: ERROR: insert or update on table "foreman_tasks_tasks" violates foreign key constraint "fk_rails_a56904dd86" added

#5 - 05/05/2021 02:29 PM - Tomer Brisker

- Category set to Database

#6 - 05/25/2021 03:53 PM - Tomer Brisker

- Related to Bug #32657: Upgrade fails with error Validation failed: Name has already been taken at db:seed stage added