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 /var/foreman/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 /opt/theforeman/tfm/root/usr/share/gems/gems/activesupport-6.0.3.1/lib/active_support/dependencies.rb:318: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/foremanSeeder.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'
      from /usr/share/foreman/app/services/foremanSeeder.rb:56:in `block in execute'
      from /usr/share/foreman/app/services/foremanSeeder.rb:49:in `each'
      from /usr/share/foreman/app/services/foremanSeeder.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/lazy_load_hooks.rb:125:in `load'
      from /opt/theforeman/tfm/root/usr/share/gems/gems/activesupport-6.0.3.1/lib/active_support/lazy_load_hooks.rb:125:in `execute'
      from /usr/share/foreman/db/seeds.d/070-provisioning_templates.rb:9:in `block in <top (required)>'
```

y_load_hooks.rb:66:in `execute_hook'
  from /opt/theforeman/tfm/root/usr/share/gems/gems/activemodel-6.0.3.1/lib/active_model/laz
y_load_hooks.rb:52:in `block in run_load_hooks'
  from /opt/theforeman/tfm/root/usr/share/gems/gems/activemodel-6.0.3.1/lib/active_model/laz
y_load_hooks.rb:51:in `each'
  from /opt/theforeman/tfm/root/usr/share/gems/gems/activemodel-6.0.3.1/lib/active_model/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:3
2:in `instance_exec'
  from /opt/theforeman/tfm/root/usr/share/gems/gems/railties-6.0.3.1/lib/rails/initializable.rb:3
2:in `run'
  from /opt/theforeman/tfm/root/usr/share/gems/gems/railties-6.0.3.1/lib/rails/initializable.rb:6
1: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/ruby25/root/usr/share/ruby/tsort.rb:350:in `block (2 levels) in each_strongly_co
nected_component'
  from /opt/rh/ruby25/root/usr/share/ruby/tsort.rb:431:in `each_strongly_connected_component_c
omponent'
  from /opt/rh/ruby25/root/usr/share/ruby/tsort.rb:349:in `block in each_strongly_connected_co
mponent'
  from /opt/rh/ruby25/root/usr/share/ruby/tsort.rb:347:in `call'
  from /opt/theforeman/tfm/root/usr/share/gems/railties-6.0.3.1/lib/rails/initializable.rb:60:in 
run_initializers'
  from /opt/theforeman/tfm/root/usr/share/gems/railties-6.0.3.1/lib/rails/application.rb:36:3:in 
`initialize!'
  from /opt/theforeman/tfm/root/usr/share/gems/railties-6.0.3.1/lib/rails/railltie.rb:190:in `
public_send'
  from /opt/theforeman/tfm/root/usr/share/gems/railties-6.0.3.1/lib/rails/railltie.rb:190:in `
methoed_missing'
  from /usr/share/foreman/config/environment.rb:5:in `<top (required)>'
  from /opt/rh/ruby25/root/usr/share/rubygems/rubygems/core_ext/kernel_require.rb:59:in `requ
ire'
  from /opt/rh/ruby25/root/usr/share/rubygems/rubygems/core_ext/kernel_require.rb:59:in `requ
ire'
  from /opt/theforeman/tfm/root/usr/share/gems/polyglot-0.3.5/lib/polyglot.rb:65:in `requir
e'
  from /opt/theforeman/tfm/root/usr/share/gems/gems/activemodel-6.0.3.1/lib/active_model/depe
ndencies.rb:324:in `block in require'
  from /opt/theforeman/tfm/root/usr/share/gems/gems/activemodel-6.0.3.1/lib/active_model/depe
ndencies.rb:291:in `load_dependency'
  from /opt/theforeman/tfm/root/usr/share/gems/gems/activemodel-6.0.3.1/lib/active_model/depe
ndencies.rb:324:in `require'
  from /usr/share/foreman/extras/dynflow-sidekiq.rb:9:in `<top (required)>'
  from /opt/rh/ruby25/root/usr/share/rubygems/rubygems/core_ext/kernel_require.rb:59:in `requ
ire'
  from /opt/rh/ruby25/root/usr/share/rubygems/rubygems/core_ext/kernel_require.rb:59:in `requ
ire'
  from /opt/theforeman/tfm/root/usr/share/gems/sidekiq-5.2.7/lib/sidekiq/cli.rb:292:in `boo
t_system'
  from /opt/theforeman/tfm/root/usr/share/gems/sidekiq-5.2.7/lib/sidekiq/cli.rb:46:in `run'
  from /opt/theforeman/tfm/root/usr/share/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/theforeman/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