

Foreman - Bug #23223

foreman-installer --reset fails to drop database

04/11/2018 12:24 PM - Ales Dujicek

Status:	Closed	
Priority:	Normal	
Assignee:	Adam Ruzicka	
Category:		
Target version:	1.18.0	
Difficulty:		Fixed in Releases:
Triaged:		Found in Releases: Nightly
Bugzilla link:		Red Hat JIRA:
Pull request:	https://github.com/theforeman/foreman/pull/5451	

Description

```
# foreman-installer --reset
Are you sure you want to continue? This will drop the databases, reset all configurations that you
have made and bring the server back to a fresh install. [y/n]
y
/usr/sbin/service-wait foreman-tasks stop

/usr/sbin/service-wait puppetserver stop

/usr/sbin/service-wait httpd stop

/usr/sbin/service-wait pulp_celerybeat stop

/usr/sbin/service-wait foreman-proxy stop

/usr/sbin/service-wait pulp_streamer stop

/usr/sbin/service-wait pulp_resource_manager stop

/usr/sbin/service-wait pulp_workers stop

/usr/sbin/service-wait tomcat stop

/usr/sbin/service-wait squid stop

/usr/sbin/service-wait qdrouterd stop

/usr/sbin/service-wait qpidd stop

/usr/sbin/service-wait mongod stop

Success!
katello-service stop --exclude postgresql finished successfully!
/opt/theforeman/tfm/root/usr/share/gems/gems/sequel-4.20.0/lib/sequel/database/schema_generator.rb
:19: warning: constant ::Fixnum is deprecated
/opt/theforeman/tfm/root/usr/share/gems/gems/sequel-4.20.0/lib/sequel/database/schema_generator.rb
:19: warning: constant ::Bignum is deprecated
/usr/share/foreman/lib/foreman.rb:8: warning: already initialized constant Foreman::UUID_REGEXP
/usr/share/foreman/lib/foreman.rb:8: warning: previous definition of UUID_REGEXP was here
/usr/share/foreman/lib/core_extensions.rb:182: warning: already initialized constant ActiveSupport
::MessageEncryptor::DEFAULT_CIPHER
/opt/theforeman/tfm-ror51/root/usr/share/gems/gems/activesupport-5.1.4/lib/active_support/message_
encryptor.rb:22: warning: previous definition of DEFAULT_CIPHER was here
The PGconn, PGresult, and PGError constants are deprecated, and will be
removed as of version 1.0.
```

You should use PG::Connection, PG::Result, and PG::Error instead, respectively.

```
Called from /opt/foreman/tfm/root/usr/share/gems/gems/polyglot-0.3.5/lib/polyglot.rb:65:in `require'
rake aborted!
ActiveRecord::ProtectedEnvironmentError: You are attempting to run a destructive action against your 'production' database.
If you are sure you want to continue, run the same command with the environment variable:
DISABLE_DATABASE_ENVIRONMENT_CHECK=1
/opt/foreman/tfm-ror51/root/usr/share/gems/gems/activerecord-5.1.4/lib/active_record/tasks/database_tasks.rb:59:in `check_protected_environments!'
/opt/foreman/tfm-ror51/root/usr/share/gems/gems/activerecord-5.1.4/lib/active_record/railties/databases.rake:11:in `block (2 levels) in <top (required)>'
/opt/rh/rh-ruby24/root/usr/share/gems/gems/rake-12.0.0/exe/rake:27:in `<top (required)>'
Tasks: TOP => db:drop => db:check_protected_environments
(See full trace by running task with --trace)
foreman-rake db:drop 2>&1 failed! Check the output for error!
```

setting DISABLE_DATABASE_ENVIRONMENT_CHECK=1 does not help much

```
# DISABLE_DATABASE_ENVIRONMENT_CHECK=1 foreman-installer --reset
Are you sure you want to continue? This will drop the databases, reset all configurations that you have made and bring the server back to a fresh install. [y/n]
y
/usr/sbin/service-wait foreman-tasks stop

/usr/sbin/service-wait puppetserver stop

/usr/sbin/service-wait httpd stop

/usr/sbin/service-wait pulp_celerybeat stop

/usr/sbin/service-wait foreman-proxy stop

/usr/sbin/service-wait pulp_streamer stop

/usr/sbin/service-wait pulp_resource_manager stop

/usr/sbin/service-wait pulp_workers stop

/usr/sbin/service-wait tomcat stop

/usr/sbin/service-wait squid stop

/usr/sbin/service-wait qdrouterd stop

/usr/sbin/service-wait qpidd stop

/usr/sbin/service-wait mongod stop

Success!
katello-service stop --exclude postgresql finished successfully!
/opt/foreman/tfm/root/usr/share/gems/gems/sequel-4.20.0/lib/sequel/database/schema_generator.rb:19: warning: constant ::Fixnum is deprecated
/opt/foreman/tfm/root/usr/share/gems/gems/sequel-4.20.0/lib/sequel/database/schema_generator.rb:19: warning: constant ::Bignum is deprecated
/usr/share/foreman/lib/foreman.rb:8: warning: already initialized constant Foreman::UUID_REGEXP
/usr/share/foreman/lib/foreman.rb:8: warning: previous definition of UUID_REGEXP was here
/usr/share/foreman/lib/core_extensions.rb:182: warning: already initialized constant ActiveSupport::MessageEncryptor::DEFAULT_CIPHER
/opt/foreman/tfm-ror51/root/usr/share/gems/gems/activesupport-5.1.4/lib/active_support/message_encryptor.rb:22: warning: previous definition of DEFAULT_CIPHER was here
The PGconn, PGresult, and PGError constants are deprecated, and will be removed as of version 1.0.
```

You should use PG::Connection, PG::Result, and PG::Error instead, respectively.

```

Called from /opt/foreman/tfm/root/usr/share/gems/gems/polyglot-0.3.5/lib/polyglot.rb:65:in `require'
PG::ObjectInUse: ERROR: database "foreman" is being accessed by other users
DETAIL: There are 3 other sessions using the database.
: DROP DATABASE IF EXISTS "foreman"
Couldn't drop database 'foreman'
rake aborted!
ActiveRecord::StatementInvalid: PG::ObjectInUse: ERROR: database "foreman" is being accessed by other users
DETAIL: There are 3 other sessions using the database.
: DROP DATABASE IF EXISTS "foreman"
/opt/foreman/tfm-ror51/root/usr/share/gems/gems/activerecord-5.1.4/lib/active_record/connection_adapters/postgresql/database_statements.rb:73:in `async_exec'
/opt/foreman/tfm-ror51/root/usr/share/gems/gems/activerecord-5.1.4/lib/active_record/connection_adapters/postgresql/database_statements.rb:73:in `block (2 levels) in execute'
/opt/foreman/tfm-ror51/root/usr/share/gems/gems/activerecord-5.1.4/lib/active_support/dependencies/interlock.rb:46:in `block in permit_concurrent_loads'
/opt/foreman/tfm-ror51/root/usr/share/gems/gems/activerecord-5.1.4/lib/active_support/concurrency/share_lock.rb:185:in `yield_shares'
/opt/foreman/tfm-ror51/root/usr/share/gems/gems/activerecord-5.1.4/lib/active_support/dependencies/interlock.rb:45:in `permit_concurrent_loads'
/opt/foreman/tfm-ror51/root/usr/share/gems/gems/activerecord-5.1.4/lib/active_record/connection_adapters/postgresql/database_statements.rb:72:in `block in execute'
/opt/foreman/tfm-ror51/root/usr/share/gems/gems/activerecord-5.1.4/lib/active_record/connection_adapters/abstract_adapter.rb:612:in `block (2 levels) in log'
/opt/foreman/tfm-ror51/root/usr/share/gems/gems/activerecord-5.1.4/lib/active_record/connection_adapters/abstract_adapter.rb:611:in `block in log'
/opt/foreman/tfm-ror51/root/usr/share/gems/gems/activerecord-5.1.4/lib/active_support/notifications/instrumenter.rb:21:in `instrument'
/opt/foreman/tfm-ror51/root/usr/share/gems/gems/activerecord-5.1.4/lib/active_record/connection_adapters/abstract_adapter.rb:603:in `log'
/opt/foreman/tfm-ror51/root/usr/share/gems/gems/activerecord-5.1.4/lib/active_record/connection_adapters/postgresql/database_statements.rb:71:in `execute'
/opt/foreman/tfm-ror51/root/usr/share/gems/gems/activerecord-5.1.4/lib/active_record/connection_adapters/postgresql/schema_statements.rb:54:in `drop_database'
/opt/foreman/tfm-ror51/root/usr/share/gems/gems/activerecord-5.1.4/lib/active_record/tasks/postgresql_database_tasks.rb:32:in `drop'
/opt/foreman/tfm-ror51/root/usr/share/gems/gems/activerecord-5.1.4/lib/active_record/tasks/database_tasks.rb:144:in `drop'
/opt/foreman/tfm-ror51/root/usr/share/gems/gems/activerecord-5.1.4/lib/active_record/tasks/database_tasks.rb:160:in `block in drop_current'
/opt/foreman/tfm-ror51/root/usr/share/gems/gems/activerecord-5.1.4/lib/active_record/tasks/database_tasks.rb:304:in `block in each_current_configuration'
/opt/foreman/tfm-ror51/root/usr/share/gems/gems/activerecord-5.1.4/lib/active_record/tasks/database_tasks.rb:303:in `each'
/opt/foreman/tfm-ror51/root/usr/share/gems/gems/activerecord-5.1.4/lib/active_record/tasks/database_tasks.rb:303:in `each_current_configuration'
/opt/foreman/tfm-ror51/root/usr/share/gems/gems/activerecord-5.1.4/lib/active_record/tasks/database_tasks.rb:159:in `drop_current'
/opt/foreman/tfm-ror51/root/usr/share/gems/gems/activerecord-5.1.4/lib/active_record/railties/databases.rake:42:in `block (2 levels) in <top (required)>'
/opt/foreman/tfm-ror51/root/usr/share/gems/gems/activerecord-5.1.4/lib/active_record/railties/databases.rake:38:in `block (2 levels) in <top (required)>'
/opt/rh/rh-ruby24/root/usr/share/gems/gems/rake-12.0.0/exe/rake:27:in `<top (required)>'
PG::ObjectInUse: ERROR: database "foreman" is being accessed by other users
DETAIL: There are 3 other sessions using the database.
/opt/foreman/tfm-ror51/root/usr/share/gems/gems/activerecord-5.1.4/lib/active_record/connection_adapters/postgresql/database_statements.rb:73:in `async_exec'
/opt/foreman/tfm-ror51/root/usr/share/gems/gems/activerecord-5.1.4/lib/active_record/connection_adapters/postgresql/database_statements.rb:73:in `block (2 levels) in execute'
/opt/foreman/tfm-ror51/root/usr/share/gems/gems/activerecord-5.1.4/lib/active_support/dependencies/interlock.rb:46:in `block in permit_concurrent_loads'
/opt/foreman/tfm-ror51/root/usr/share/gems/gems/activerecord-5.1.4/lib/active_support/concurrency/share_lock.rb:185:in `yield_shares'
/opt/foreman/tfm-ror51/root/usr/share/gems/gems/activerecord-5.1.4/lib/active_support/dependencies/interlock.rb:45:in `permit_concurrent_loads'
/opt/foreman/tfm-ror51/root/usr/share/gems/gems/activerecord-5.1.4/lib/active_record/connection

```

```

_adapters/postgresql/database_statements.rb:72:in `block in execute'
/opt/theforeman/tfm-ror51/root/usr/share/gems/gems/activerecord-5.1.4/lib/active_record/connection
_adapters/abstract_adapter.rb:612:in `block (2 levels) in log'
/opt/theforeman/tfm-ror51/root/usr/share/gems/gems/activerecord-5.1.4/lib/active_record/connection
_adapters/abstract_adapter.rb:611:in `block in log'
/opt/theforeman/tfm-ror51/root/usr/share/gems/gems/activesupport-5.1.4/lib/active_support/notifica
tions/instrumenter.rb:21:in `instrument'
/opt/theforeman/tfm-ror51/root/usr/share/gems/gems/activerecord-5.1.4/lib/active_record/connection
_adapters/abstract_adapter.rb:603:in `log'
/opt/theforeman/tfm-ror51/root/usr/share/gems/gems/activerecord-5.1.4/lib/active_record/connection
_adapters/postgresql/database_statements.rb:71:in `execute'
/opt/theforeman/tfm-ror51/root/usr/share/gems/gems/activerecord-5.1.4/lib/active_record/connection
_adapters/postgresql/schema_statements.rb:54:in `drop_database'
/opt/theforeman/tfm-ror51/root/usr/share/gems/gems/activerecord-5.1.4/lib/active_record/tasks/post
gresql_database_tasks.rb:32:in `drop'
/opt/theforeman/tfm-ror51/root/usr/share/gems/gems/activerecord-5.1.4/lib/active_record/tasks/data
base_tasks.rb:144:in `drop'
/opt/theforeman/tfm-ror51/root/usr/share/gems/gems/activerecord-5.1.4/lib/active_record/tasks/data
base_tasks.rb:160:in `block in drop_current'
/opt/theforeman/tfm-ror51/root/usr/share/gems/gems/activerecord-5.1.4/lib/active_record/tasks/data
base_tasks.rb:304:in `block in each_current_configuration'
/opt/theforeman/tfm-ror51/root/usr/share/gems/gems/activerecord-5.1.4/lib/active_record/tasks/data
base_tasks.rb:303:in `each'
/opt/theforeman/tfm-ror51/root/usr/share/gems/gems/activerecord-5.1.4/lib/active_record/tasks/data
base_tasks.rb:303:in `each_current_configuration'
/opt/theforeman/tfm-ror51/root/usr/share/gems/gems/activerecord-5.1.4/lib/active_record/tasks/data
base_tasks.rb:159:in `drop_current'
/opt/theforeman/tfm-ror51/root/usr/share/gems/gems/activerecord-5.1.4/lib/active_record/railties/d
atabases.rake:42:in `block (2 levels) in <top (required)>'
/opt/theforeman/tfm-ror51/root/usr/share/gems/gems/activerecord-5.1.4/lib/active_record/railties/d
atabases.rake:38:in `block (2 levels) in <top (required)>'
/opt/rh/rh-ruby24/root/usr/share/gems/gems/rake-12.0.0/exe/rake:27:in `<top (required)>'
Tasks: TOP => db:drop:_unsafe
(See full trace by running task with --trace)
foreman-rake db:drop 2>&1 failed! Check the output for error!

```

foreman-1.18.0-0.develop.201804091403git41fe8c6.el7.noarch
foreman-installer-1.18.0-0.develop.201804090328gitc9bede9.el7.noarch
foreman-installer-katello-3.7.0-1.nightly.201804052204gitdd307b0.el7.noarch

Related issues:

Blocks Katello - Bug #20550: backup & restore do not work with remote DB	Closed	08/10/2017
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Associated revisions

Revision 38a38b66 - 04/15/2018 06:08 PM - Adam Ruzicka

Fixes #23223 - Don't allow Dynflow to initialize in db:drop rake

History

#1 - 04/11/2018 12:36 PM - Martin Bacovsky

- Category set to foreman-installer script
- Status changed from New to Assigned
- Assignee set to Martin Bacovsky
- Pull request <https://github.com/Katello/katello-installer/pull/550> added

#2 - 04/11/2018 12:36 PM - Martin Bacovsky

- Blocks Bug #20550: backup & restore do not work with remote DB added

#3 - 04/11/2018 12:38 PM - Ewoud Kohl van Wijngaarden

Could you check which processes are running? I expect it's dynflowd (new service that replaces foreman-tasks) or the foreman proxy version of dynflow (smart_proxy_dynflow_core?) that we should be stopping besides exporting that environment variable.

#5 - 04/13/2018 06:43 AM - Ales Dujicek

there are no running services, it seems that foreman-rake db:drop makes the connections itself

```
# DISABLE_DATABASE_ENVIRONMENT_CHECK=1 foreman-rake db:drop
...
PG::ObjectInUse: ERROR: database "foreman" is being accessed by other users
...
-> fails ^

# su - postgres -c 'dropdb foreman'
-> success ^
```

#6 - 04/13/2018 10:25 AM - Adam Ruzicka

It seems there is some Dynflow related activity going on when the db:drop rake task is invoked.

```
foreman=# select * from pg_stat_activity;
 datid | datname | pid | usesysid | username | application_name | client_addr | client_hostname | client_port | backend_start | xact_start | query_start | query_end | state_change | waiting | state | query
-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----
12924 | postgres | 18569 | 16384 | foreman | /opt/rh/rh-ruby24/root/usr/bin/rake | | | | 2018-04-13 10:19:27.556234+00 | 2018-04-13 10:19:27.561371+00 | 2018-04-13 10:19:27.561371+00 | 2018-04-13 10:19:27.561371+00 | f | active | DROP DATABASE IF EXISTS "foreman"
16385 | foreman | 18333 | 10 | postgres | psql | | | | 2018-04-13 10:17:44.755029+00 | 2018-04-13 10:19:28.760367+00 | 2018-04-13 10:19:28.760367+00 | 2018-04-13 10:19:28.760367+00 | f | active | select * from pg_stat_activity;
16385 | foreman | 18562 | 16384 | foreman | /opt/rh/rh-ruby24/root/usr/bin/rake | | | | 2018-04-13 10:19:27.475221+00 | | 2018-04-13 10:19:27.481021+00 | 2018-04-13 10:19:27.481041+00 | f | idle | LISTEN "world:acece7b5-086d-4c8b-9a64-2843ce4eced8"
16385 | foreman | 18567 | 16384 | foreman | /opt/rh/rh-ruby24/root/usr/bin/rake | | | | 2018-04-13 10:19:27.482654+00 | | 2018-04-13 10:19:27.490484+00 | 2018-04-13 10:19:27.490497+00 | f | idle | COMMIT
16385 | foreman | 18568 | 16384 | foreman | /opt/rh/rh-ruby24/root/usr/bin/rake | | | | 2018-04-13 10:19:27.485067+00 | | 2018-04-13 10:19:27.491267+00 | 2018-04-13 10:19:27.497576+00 | f | idle | INSERT INTO "dynflow_coordinator_records" ("data", "owner_id", "class") VALUES ('{"class": "Dynflow::Coordinator::ClientWorld", "id": "acece7b5-086d-4c8b-9a64-2843ce4eced8", "meta": {"hostname": "expert-mole", "pid": 18538}}', 'acece7b5-086d-4c8b-9a64-2843ce4eced8', NULL, 'Dynflow::Coordinator::ClientWorld') RETURNING "id"

(5 rows)
```

#7 - 04/13/2018 11:09 AM - Ewoud Kohl van Wijngaarden

- Project changed from Installer to Foreman
- Category deleted (foreman-installer script)

#8 - 04/13/2018 11:10 AM - Ewoud Kohl van Wijngaarden

- Status changed from Assigned to Ready For Testing
- Assignee changed from Martin Bacovsky to Adam Ruzicka
- Pull request <https://github.com/theforeman/foreman/pull/5451> added
- Pull request deleted (<https://github.com/Katello/katello-installer/pull/550>)

#9 - 04/15/2018 06:09 PM - Anonymous

- translation missing: en.field_release set to 330

#10 - 04/15/2018 07:01 PM - Adam Ruzicka

- Status changed from Ready For Testing to Closed

- % Done changed from 0 to 100

Applied in changeset [38a38b661be2f3f6751dd0e6a41909d8bdec5b06](#).

#11 - 04/16/2018 07:49 AM - Ales Dujicek

tested again with the patch

...

```
1. DISABLE_DATABASE_ENVIRONMENT_CHECK=1 foreman-installer --scenario katello --reset
```

```
...
```

```
Dropped database 'foreman'
```

```
foreman-rake db:drop 2>&1 finished successfully!
```

```
...
```

Anyway, I think that foreman-installer --reset should set DISABLE_DATABASE_ENVIRONMENT_CHECK=1 for rake db:drop.