

Arvados - Bug #15161

Dev clusters are failing: uninitialized constant ArInternalMetadatum (NameError)

04/29/2019 01:29 PM - Nico César

Status:	Resolved	Start date:	04/30/2019
Priority:	Normal	Due date:	
Assigned To:	Lucas Di Pentima	% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:	2019-05-22 Sprint		
Description			
<pre>App 51878 stderr: The PGconn, PGresult, and PGError constants are deprecated, and will be App 51878 stderr: removed as of version 1.0. App 51878 stderr: App 51878 stderr: You should use PG::Connection, PG::Result, and PG::Error instead, respectively. App 51878 stderr: App 51878 stderr: Called from /var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activesupport-4.2.10/lib/active_support/dependencies.rb:240:in `load_dependency' App 51878 stdout: [2019-04-29 13:28:23.8920 48517/7f99d808c700 age/Cor/App/Implementation.cpp:304]: Could not spawn process for application /var/www/c97qk.arvadosapi.com/current: An error occurred while starting up the preloader. Error ID: dld121c0 Error details saved to: /tmp/passenger-error-CedvzV.html Message from application: uninitialized constant ArInternalMetadatum (NameError) /var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activesupport-4.2.10/lib/active_support/inflator/methods.rb:261:in `const_get' /var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activesupport-4.2.10/lib/active_support/inflator/methods.rb:261:in `block in constantize' /var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activesupport-4.2.10/lib/active_support/inflator/methods.rb:259:in `each' /var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activesupport-4.2.10/lib/active_support/inflator/methods.rb:259:in `inject' /var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activesupport-4.2.10/lib/active_support/inflator/methods.rb:259:in `constantize' /var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activesupport-4.2.10/lib/active_support/core_ext/string/inflexions.rb:66:in `constantize' /var/www/arvados-api/current/lib/can_be_an_owner.rb:19:in `block in included' /var/www/arvados-api/current/lib/can_be_an_owner.rb:15:in `each' /var/www/arvados-api/current/lib/can_be_an_owner.rb:15:in `included' /var/www/arvados-api/current/app/models/group.rb:12:in `include' /var/www/arvados-api/current/app/models/group.rb:12:in `<class:group>' /var/www/arvados-api/current/app/models/group.rb:8:in `<top (required)="">' /var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/railties-4.2.10/lib/rails/engine.rb:472:in `block (2 levels) in eager_load!' /var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/railties-4.2.10/lib/rails/engine.rb:471:in `each' /var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/railties-4.2.10/lib/rails/engine.rb:471:in `block in eager_load!' /var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/railties-4.2.10/lib/rails/engine.rb:469:in `each' /var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/railties-4.2.10/lib/rails/engine.rb:469:in `eager_load!' /var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/railties-4.2.10/lib/rails/engine.rb:346:in `eager_load!' /var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/railties-4.2.10/lib/rails/application/finisher.rb:56:in `each' /var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/railties-4.2.10/lib/rails/application/finisher.rb:56:in `block in <module:Finisher>' /var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/railties-4.2.10/lib/rails/initializable.rb:30:in `instance_exec' /var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/railties-4.2.10/lib/rails/initializable.rb:30:in `run'</top></class:group></pre>			

```

/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/railties-4.2.10/lib/rails/initializabl
e.rb:55:in `block in run_initializers'
/usr/local/rvm/rubies/ruby-2.3.5/lib/ruby/2.3.0/tsort.rb:228:in `block in tsort_each'
/usr/local/rvm/rubies/ruby-2.3.5/lib/ruby/2.3.0/tsort.rb:350:in `block (2 levels) in each_strong
ly_connected_component'
/usr/local/rvm/rubies/ruby-2.3.5/lib/ruby/2.3.0/tsort.rb:431:in `each_strongly_connected_compone
nt_from'
/usr/local/rvm/rubies/ruby-2.3.5/lib/ruby/2.3.0/tsort.rb:349:in `block in each_strongly_connecte
d_component'
/usr/local/rvm/rubies/ruby-2.3.5/lib/ruby/2.3.0/tsort.rb:347:in `each'
/usr/local/rvm/rubies/ruby-2.3.5/lib/ruby/2.3.0/tsort.rb:347:in `call'
/usr/local/rvm/rubies/ruby-2.3.5/lib/ruby/2.3.0/tsort.rb:347:in `each_strongly_connected_compone
nt'
/usr/local/rvm/rubies/ruby-2.3.5/lib/ruby/2.3.0/tsort.rb:226:in `tsort_each'
/usr/local/rvm/rubies/ruby-2.3.5/lib/ruby/2.3.0/tsort.rb:205:in `tsort_each'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/railties-4.2.10/lib/rails/initializabl
e.rb:54:in `run_initializers'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/railties-4.2.10/lib/rails/application.
rb:352:in `initialize!'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/railties-4.2.10/lib/rails/railtie.rb:1
94:in `public_send'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/railties-4.2.10/lib/rails/railtie.rb:1
94:in `method_missing'
/var/www/arvados-api/current/config/environment.rb:10:in `'
config.ru:7:in `require'
config.ru:7:in `block in <main>'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/rack-1.6.11/lib/rack/builder.rb:55:in
`instance_eval'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/rack-1.6.11/lib/rack/builder.rb:55:in
`initialize'
config.ru:1:in `new'
config.ru:1:in `'
/usr/share/passenger/helper-scripts/rack-preloader.rb:110:in `eval'
/usr/share/passenger/helper-scripts/rack-preloader.rb:110:in `preload_app'
/usr/share/passenger/helper-scripts/rack-preloader.rb:156:in `'
/usr/share/passenger/helper-scripts/rack-preloader.rb:30:in `'
/usr/share/passenger/helper-scripts/rack-preloader.rb:29:in `'

```

Subtasks:

Task # 15170: Review 15161-config-check-rake-fix

Resolved

Related issues:

Related to Arvados - Bug #15225: [API] installation gives error: Creating git...

Resolved

History

#1 - 04/29/2019 01:55 PM - Lucas Di Pentima

Checking c97qk's files, it seems that the structure.sql file is from rails 5 but the rest of the code is from 4.2.

The ar_internal_metadata table causing this error was added on [261543dfc3](#), and the Gemfile on c97qk asks for rails 4.2. Also, the app/models/arvados_model.rb file is from rails 4.2 because the class is subclassing ActiveRecord::Base instead of ApplicationRecord

#2 - 04/29/2019 01:59 PM - Nico César

- Project changed from Arvados Private to OPS

Lucas Di Pentima wrote:

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Mmmh the problem might be on our side: Dev clusters should be only DEV!

```

c97qk:~# apt-cache policy arvados-api-server| head
arvados-api-server:
Installed: 1.3.2-1
Candidate: 1.3.2-1

```

Version table: *** 1.3.2-1 500
500 <http://apt.arvados.org> xenial/main amd64 Packages
100 /var/lib/dpkg/status
1.3.1.20190422202321-8 500
500 <http://apt.arvados.org> xenial-dev/main amd64 Packages
1.3.1.20190422184531-8 500

#4 - 04/29/2019 11:06 PM - Nico César

Now that #15163 is out of the way I tried to downgrade the API server ... ended up with another issue:

```
c97qk:~# apt-get install arvados-api-server=1.3.1.20190422202321-8
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following packages will be DOWNGRADED:
  arvados-api-server
0 upgraded, 0 newly installed, 1 downgraded, 0 to remove and 320 not upgraded.
Need to get 0 B/28.1 MB of archives.
After this operation, 1,262 kB disk space will be freed.
Do you want to continue? [Y/n]
dpkg: warning: downgrading arvados-api-server from 1.3.2-1 to 1.3.1.20190422202321-8
(Reading database ... 110469 files and directories currently installed.)
Preparing to unpack .../arvados-api-server_1.3.1.20190422202321-8_amd64.deb ...
Unpacking arvados-api-server (1.3.1.20190422202321-8) over (1.3.2-1) ...
Setting up arvados-api-server (1.3.1.20190422202321-8) ...

Assumption: nginx is configured to serve Rails from
  /var/www/arvados-api/current
Assumption: nginx and passenger run as www-data

Creating symlinks to configuration in /etc/arvados/api ..... done.
Running bundle install... done.
Ensuring directory and file permissions ..... done.
Running db:migrate...Defaulting to memory cache, because /var/www/arvados-api/current/tmp/cache owner (uid=33)
is not me (uid=0)
DEPRECATION WARNING: `config.serve_static_files` is deprecated and will be removed in Rails 5.1.
Please use `config.public_file_server.enabled = false` instead.
(called from block in <top (required)> at /var/www/arvados-api/current/config/environments/production.rb:12)
done.
Checking application.yml for completeness...Defaulting to memory cache, because /var/www/arvados-api/current/t
mp/cache owner (uid=33) is not me (uid=0)
rake aborted!
Don't know how to build task 'config:check' (See the list of available tasks with `rake --tasks`)
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/rake-12.3.2/exe/rake:27:in `'
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/lib/bundler/cli/exec.rb:75:in `load'
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/lib/bundler/cli/exec.rb:75:in `kernel_load'
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/lib/bundler/cli/exec.rb:28:in `run'
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/lib/bundler/cli.rb:424:in `exec'
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/lib/bundler/vendor/thor/lib/thor/command.rb:27:in `run'
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/lib/bundler/vendor/thor/lib/thor/invocation.rb:126:in `invo
ke_command'
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/lib/bundler/vendor/thor/lib/thor.rb:387:in `dispatch'
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/lib/bundler/cli.rb:27:in `dispatch'
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/lib/bundler/vendor/thor/lib/thor/base.rb:466:in `start'
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/lib/bundler/cli.rb:18:in `start'
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/exe/bundle:30:in `block in <top (required)>'
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/lib/bundler/friendly_errors.rb:122:in `with_friendly_errors'
'
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/exe/bundle:22:in `'
/usr/local/rvm/gems/ruby-2.3.5/bin/bundle:23:in `load'
/usr/local/rvm/gems/ruby-2.3.5/bin/bundle:23:in `'
/usr/local/rvm/gems/ruby-2.3.5/bin/ruby_executable_hooks:15:in `eval'
/usr/local/rvm/gems/ruby-2.3.5/bin/ruby_executable_hooks:15:in `'
(See full trace by running task with --trace)
failed.
Precompiling assets... skipped.
Initializing git_internal_dir... skipped.

PLEASE NOTE:

The arvados-api-server package was not configured completely because
/etc/arvados/api/application.yml needs some tweaking.
Please refer to the documentation at
<http://doc.arvados.org/install/install-api-server.html#configure> for more details.
```

When application.yml has been modified,
reconfigure or reinstall this package.

#5 - 04/29/2019 11:07 PM - Nico César

Tomorrow we'll investigate why

Don't know how to build task 'config:check'

#6 - 04/30/2019 04:31 PM - Lucas Di Pentima

The config:check rake task was removed on [2ea729f97166cb5fda4a6ca0818f0a0ab15388ab](#) -- if this is part of a unified rails package building mechanism, maybe we should have made it a no-op instead of deleting it?

#7 - 04/30/2019 04:57 PM - Lucas Di Pentima

Update at [0cd5f7190](#) - branch: 15161-config-check-rake-fix

Re-adds the config:check task as a no-op, because build/rails-package-scripts/postinst.sh assumes that the task exists on all rails apps.

#8 - 04/30/2019 07:48 PM - Lucas Di Pentima

As requested by Peter, I did a manual test by invalidating the config.yml file and running rake config:check. This is the result:

```
lucas@veritas:~/arvados/services/api$ rake config:check
rake aborted!
missing Services.SSO.ExternalURL
/media/psf/arvados/services/api/lib/config_loader.rb:93:in `block in coercion_and_check'
/media/psf/arvados/services/api/lib/config_loader.rb:80:in `each'
/media/psf/arvados/services/api/lib/config_loader.rb:80:in `coercion_and_check'
/media/psf/arvados/services/api/config/arvados_config.rb:220:in `'
/media/psf/arvados/services/api/config/application.rb:48:in `require_relative'
/media/psf/arvados/services/api/config/application.rb:48:in `'
/media/psf/arvados/services/api/config/application.rb:44:in `'
/media/psf/arvados/services/api/config/application.rb:43:in `'
/media/psf/arvados/services/api/rakefile:9:in `require'
/media/psf/arvados/services/api/rakefile:9:in `'
/home/lucas/.rvm/gems/ruby-2.4.4@test/gems/rake-12.3.2/exe/rake:27:in `'
/home/lucas/.rvm/gems/ruby-2.4.4@test/bin/ruby_executable_hooks:24:in `eval'
/home/lucas/.rvm/gems/ruby-2.4.4@test/bin/ruby_executable_hooks:24:in `'
(See full trace by running task with --trace)
```

#9 - 05/14/2019 03:55 PM - Tom Morris

- Related to Bug #15225: [API] installation gives error: Creating git_internal_dir "...mkdir: cannot create directory ": No such file or directory added

#10 - 05/14/2019 03:57 PM - Tom Morris

- Project changed from OPS to Arvados
- Status changed from New to In Progress
- Assigned To set to Lucas Di Pentima
- Target version changed from To Be Groomed to 2019-05-22 Sprint

Lucas - did your commit fix this? Can it be closed?

#11 - 05/14/2019 04:30 PM - Lucas Di Pentima

Tom: Yes, forgot to close it, doing it now.

#12 - 05/14/2019 04:30 PM - Lucas Di Pentima

- Status changed from In Progress to Resolved

#13 - 05/21/2019 10:27 PM - Tom Morris

- Release set to 15