

Arvados - Story #14988

[Workbench] Upgrade to Rails 5

03/18/2019 05:43 PM - Lucas Di Pentima

Status: Resolved	Start date: 05/14/2019
Priority: Normal	Due date:
Assigned To: Lucas Di Pentima	% Done: 100%
Category: Workbench	Estimated time: 0.00 hour
Target version: 2019-05-22 Sprint	
Description Rails 4.2 is about to be EOLed when 6.0 is released.	
Subtasks: Task # 15032: Review 14988-wb-rails5-upgrade Resolved	
Related issues: Blocks Arvados - Story #14946: Update to Ruby 2.5 - 2.3 is going EOL Resolved 05/31/2019	

Associated revisions

Revision fd5d1979 - 05/17/2019 05:31 PM - Lucas Di Pentima

Merge branch '14988-wb-rails5-upgrade'
Closes #14988

Arvados-DCO-1.1-Signed-off-by: Lucas Di Pentima <ldipentima@veritasgenetics.com>

History

#1 - 03/18/2019 05:43 PM - Lucas Di Pentima

- Blocks Story #14946: Update to Ruby 2.5 - 2.3 is going EOL added

#2 - 03/27/2019 03:14 PM - Lucas Di Pentima

- Target version changed from 2019-03-27 Sprint to 2019-04-10 Sprint

#3 - 03/27/2019 03:42 PM - Tom Morris

- Story points set to 3.0

#4 - 04/09/2019 01:36 PM - Lucas Di Pentima

- Status changed from New to In Progress

#5 - 04/10/2019 01:06 PM - Lucas Di Pentima

- Target version changed from 2019-04-10 Sprint to 2019-04-24 Sprint

#6 - 04/24/2019 03:23 PM - Lucas Di Pentima

- Target version changed from 2019-04-24 Sprint to 2019-05-08 Sprint

#7 - 04/24/2019 05:09 PM - Lucas Di Pentima

- Story points changed from 3.0 to 2.0

#8 - 04/25/2019 02:15 PM - Lucas Di Pentima

Status update

Updates at [0ebe4a09a3d12f1415d2c119e716a2788ff889ec](https://github.com/Arvados/arvados/commit/0ebe4a09a3d12f1415d2c119e716a2788ff889ec) - branch 14988-wb-rails5-upgrade

- I've been eliminating the deprecation warnings after doing the rake app:update call.
- Forked a couple of gems because they aren't being maintained:
 - activerecord-nulldb-adapter
 - wiselinks: This one is not yet clear that it works, I was able to make it stop complaining about deprecated functions but it's from rails 3.x and it hasn't been updated since then. I've tried to submit a PR to the original maintainer but their travis pipeline fail because it's set up to test against ruby 1.9 & 2.0, and some of the updated dependencies aren't compatible with those ruby environments.

- I'm now trying to make the unit test pass, but our fake ActiveRecord::Column loading is not working properly, I think in part it's because the ActiveRecord::Column API changed again (we had issues when upgrading from 4.1 to 4.2) and I'm not getting much documentation about how to work with it, so what I'm trying is the new ActiveRecord::Attributes API (<https://api.rubyonrails.org/classes/ActiveRecord/Attributes/ClassMethods.html>) that seems to be the correct way to go about adding attributes not backed by a database.

#9 - 04/25/2019 02:34 PM - Tom Clegg

It's possible that we don't even benefit from wiselinks and removing it would have no effect. Worth trying, if it causes any further trouble.

As for the fake-activerecord stuff, all I can think to offer is that IIRC it has always been a hack, written in "whatever seems to work" style, so it's not too surprising to hear Rails upgrades keep breaking it.

#10 - 05/08/2019 04:45 PM - Lucas Di Pentima

- Target version changed from 2019-05-08 Sprint to 2019-05-22 Sprint

- Story points changed from 2.0 to 0.5

#11 - 05/13/2019 04:25 PM - Lucas Di Pentima

Updates at [28ca19d77](#) - branch 14988-wb-rails5-upgrade

Test run: <https://ci.curoverse.com/job/developer-run-tests/1234/>

All tests finally passing. Pending items:

- Update bootstrap-sass gem to version 3.4.1 to address CVE-2019-8331
- Fix test runner call to be able to run individual test files.

#12 - 05/14/2019 03:09 PM - Lucas Di Pentima

Updated bootstrap-sass at [2e1f0679f](#)

Test run: <https://ci.curoverse.com/job/developer-run-tests-apps-workbench-integration/1277/console>

#13 - 05/14/2019 07:01 PM - Tom Clegg

I'm not sure whether anything will care, but this (in `arvados_base.rb`) seems like it would accidentally match new records:

```
def destroyed?  
  !(etag || uuid)  
end
```

This (`arvados_base.rb`) seems like it silently returns nil for nonexistent columns, and `foo["bar"]` where `bar` happens to be a method that raises. It looks like this is replacing `Rails.logger.debug "BUG: access non-loaded attribute #{k}"` -- did you happen to find out what's relying on this?

```
def [](attr_name)  
  begin  
    send(attr_name)  
  rescue  
    nil  
  end  
end
```

#14 - 05/17/2019 03:13 PM - Lucas Di Pentima

Tom Clegg wrote:

I'm not sure whether anything will care, but this (in `arvados_base.rb`) seems like it would accidentally match new records:

Fixed, thanks!

This (`arvados_base.rb`) seems like it silently returns nil for nonexistent columns, and `foo["bar"]` where `bar` happens to be a method that raises. It looks like this is replacing `Rails.logger.debug "BUG: access non-loaded attribute #{k}"` -- did you happen to find out what's relying on this?

Restored the debug message. One of the parts relying on this is `apps/workbench/app/views/containers/_show_log.html.erb`, not sure why it is calling `object[:name]` but since this is a rails migration story, I didn't want to go into that rabbit hole :)

Updates at [17cde5d13](#)

Test run: <https://ci.curoverse.com/job/developer-run-tests/1241/>

#15 - 05/17/2019 05:21 PM - Tom Clegg

Thanks, LGTM

#16 - 05/17/2019 05:33 PM - Lucas Di Pentima

- Status changed from *In Progress* to *Resolved*

- % Done changed from 0 to 100

Applied in changeset [arvados|fd5d197916b117386fbe872790ff6493326c4ea2](#).

#17 - 05/21/2019 10:27 PM - Tom Morris

- Release set to 15