Arvados - Bug #15258

[Workbench] Report problem/Show version popup failing

05/22/2019 01:02 PM - Lucas Di Pentima

Status:	Resolved		**Start date:**	05/22/2019
Priority:	Normal		**Due date:**	
Assigned To:	Lucas Di Pentima		**% Done:**	100%
Category:			**Estimated time:**	0.00 hour
Target version:	2019-06-05 Sprint			

Description

When trying to use the 'Show version' or 'Report a problem' menu items on Workbench on one of our dev clusters, I get the following error on the brower's javascript console:

```
[Error] Failed to load resource: the server responded with a status of 422 (Unprocessable Entity)
(report_issue_popup, line 0)
```

Checking workbench's logs I'm seeing this:

```
#<ActionView::Template::Error: uninitialized constant ActionView::CompiledTemplates::AppVersion
Did you mean?  ActionView::VERSION>
/var/www/arvados-workbench/current/app/views/application/_report_issue_popup.html.erb:19:in `_app_
views_application__report_issue_popup_html_erb__23306103321802802077_33518400'
/var/www/arvados-workbench/shared/vendor_bundle/ruby/2.3.0/gems/actionview-5.0.7.2/lib/action_view
/template.rb:159:in `block in render'
/var/www/arvados-workbench/shared/vendor_bundle/ruby/2.3.0/gems/activesupport-5.0.7.2/lib/active_s
upport/notifications.rb:166:in `instrument'
/var/www/arvados-workbench/shared/vendor_bundle/ruby/2.3.0/gems/actionview-5.0.7.2/lib/action_view
/template.rb:354:in `instrument'
[…]
/usr/lib/ruby/vendor_ruby/phusion_passenger/rack/thread_handler_extension.rb:97:in `process_reques
t'
/usr/lib/ruby/vendor_ruby/phusion_passenger/request_handler/thread_handler.rb:152:in `accept_and_p
rocess_next_request'
/usr/lib/ruby/vendor_ruby/phusion_passenger/request_handler/thread_handler.rb:113:in `main_loop'
/usr/lib/ruby/vendor_ruby/phusion_passenger/request_handler.rb:416:in `block (3 levels) in start_t
hreads'
/usr/lib/ruby/vendor_ruby/phusion_passenger/utils.rb:113:in `block in create_thread_and_abort_on_e
xception'

{"method":"GET","path":"/report_issue_popup","format":"js","controller":"ActionsController","actio
n":"report_issue_popup","status":422,"duration":488.06,"view":0.14,"request_id":"req-v73s9v0b17x79
2rwg55d","params":{"action_method":"post","current_location":"https://workbench.c97qk.arvadosapi.c
om/users/welcome?return_to=%2F","current_path":"/users/welcome?return_to=%2F","popup_type":"versio
n"},"@timestamp":"2019-05-21T19:06:29.394Z","@version":"1","message":"[422] GET /report_issue_popu
p (ActionsController#report_issue_popup)"}
```

It seems that this is related to the environment at which the rails app is running, because it isn't failing on arvbox or running workbench locally against one of the dev clusters.

Subtasks:

Task # 15266: Review 15258-wb-report-issue-bugfix	**Resolved**

Associated revisions

Revision 8cd99fc6 - 05/23/2019 02:03 PM - Lucas Di Pentima

Merge branch '15258-wb-report-issue-bugfix'
Closes #15258

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

History

#1 - 05/22/2019 01:03 PM - Lucas Di Pentima

- Subject changed from [Workbench] Report issue popup failing to [Workbench] Report problem/Show version popup failing

#2 - 05/22/2019 03:16 PM - Tom Morris

- Target version set to 2019-05-22 Sprint

- Release set to 15

#3 - 05/22/2019 04:36 PM - Lucas Di Pentima

- Assigned To set to Lucas Di Pentima

#4 - 05/22/2019 04:36 PM - Lucas Di Pentima

- Target version changed from 2019-05-22 Sprint to 2019-06-05 Sprint

#5 - 05/22/2019 04:55 PM - Lucas Di Pentima

Taking a closer look at the rails 5.0 release notes, I encountered this one:

- Disabled autoloading of classes in production environment - commit: https://github.com/rails/rails/commit/a71350cae0082193ad8c66d65ab62e8bb0b7853b

Commit discussion: https://github.com/rails/rails/issues/13142#issuecomment-74586224

#6 - 05/22/2019 06:04 PM - Lucas Di Pentima

- Status changed from New to In Progress

#7 - 05/22/2019 07:35 PM - Lucas Di Pentima

Following the suggestion at https://github.com/rails/rails/issues/13142#issuecomment-275492070, I added "#{Rails.root}/lib" to the list of eager loading paths on c97qk and the issue was fixed.
This behavior occurs on production environments, and I'm not seeing an straightforward way to write a test for it.

Also, maybe we should also apply the fix to the API server? we haven't detected any issue with it but maybe it would be convenient to stay on the safe side? I'm currently running the entire API server's test suite and seems to go ok.

#8 - 05/22/2019 08:38 PM - Lucas Di Pentima

After discussing the previous question on chat, the API Server won't receive the same fix because it doesn't need it, as it doesn't have the config.autoload_paths setting.

Fix at 4837e08b7 - branch: 15258-wb-report-issue-bugfix
Test run: https://ci.curoverse.com/job/developer-run-tests/1252/
WB integration re-run at: https://ci.curoverse.com/job/developer-run-tests-apps-workbench-integration/1296/

#9 - 05/22/2019 09:16 PM - Tom Clegg

LGTM, thanks

#10 - 05/23/2019 01:57 PM - Lucas Di Pentima

After having to run 4 times the integration tests to get a success because of PhantomJS dying:

- https://ci.curoverse.com/job/developer-run-tests-apps-workbench-integration/1295/
- https://ci.curoverse.com/job/developer-run-tests-apps-workbench-integration/1296/
- https://ci.curoverse.com/job/developer-run-tests-apps-workbench-integration/1297/
- https://ci.curoverse.com/job/developer-run-tests-apps-workbench-integration/1298/ (success!)

...I came up with what I think is a better solution. Instead of using eager loading, explicitly require the files under /lib/ where needed (there are just 2 files, so it was simple). This has the benefit of exposing the bug on development & test environments.

Updates at a551aee4b
Test run: https://ci.curoverse.com/job/developer-run-tests/1253/

#11 - 05/23/2019 02:02 PM - Tom Clegg

Yes, LGTM, thanks!

#12 - 05/23/2019 03:11 PM - Lucas Di Pentima

- Status changed from In Progress to Resolved

Applied in changeset arvados|8cd99fc692479db9c2aaa211d34ce7d62df47328.