

## Arvados - Bug #5737

### [API] [Workbench] Ruby 2.2 or 2.3 compatibility

04/15/2015 06:11 PM - Tom Clegg

<b>Status:</b>	Resolved	<b>Start date:</b>	10/11/2016
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assigned To:</b>	Lucas Di Pentima	<b>% Done:</b>	100%
<b>Category:</b>	API	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	2016-12-14 sprint		
<b>Description</b>			
Known issues			
<ul style="list-style-type: none"><li>eventmachine 1.0.3 is incompatible with ruby 2.2. "bundle update eventmachine" puts it at 1.0.7 which seems to work fine.</li><li>minitest and test-unit are included/integrated in ruby 2.1, not in 2.2. Add gem 'minitest' to Gemfiles.</li><li>workbench → angular → needs phantomjs &gt;= 2; update <a href="#">Hacking prerequisites</a> to <a href="https://bitbucket.org/ariya/phantomjs/downloads/phantomjs-2.1.1-linux-x86_64.tar.bz2">https://bitbucket.org/ariya/phantomjs/downloads/phantomjs-2.1.1-linux-x86_64.tar.bz2</a> and add a version check in run-tests.sh</li></ul>			
<b>Subtasks:</b>			
Task # 10257: Review Tom's branch: 5737-ruby231			<b>Resolved</b>
Task # 10225: pass tests in both ruby 2.1 and 2.3			<b>Resolved</b>
Task # 10152: Review 5737-ruby231			<b>Resolved</b>
<b>Related issues:</b>			
Related to Arvados - Story #6777: [Documentation] recommend ruby2.1 package o...			<b>Rejected</b>

#### Associated revisions

##### Revision 9be8a468 - 12/01/2016 08:35 PM - Lucas Di Pentima

Merge branch '5737-ruby231'  
refs #5737

##### Revision 84861876 - 12/02/2016 05:16 PM - Peter Amstutz

Update arvbox to work with passenger 5.0, refs #5737

##### Revision 25204724 - 12/02/2016 06:48 PM - Lucas Di Pentima

Merge branch '5737-fix-broken-test-with-231'  
refs #5737

#### History

##### #1 - 04/15/2015 06:15 PM - Tom Clegg

- Description updated  
- Category set to API

##### #2 - 03/11/2016 06:59 AM - Tom Clegg

- Description updated

##### #3 - 03/11/2016 07:02 AM - Tom Clegg

- Description updated

##### #4 - 09/27/2016 06:25 PM - Javier Bértoli

- Priority changed from Normal to High

Ruby 2.1.x is getting to its EOL

<https://www.ruby-lang.org/en/downloads/>

In security maintenance phase (will EOL soon!): Ruby 2.1.10

So we better begin moving forward. Given that ruby 2.4.0rc is out there, I'd suggest we move to, at least, 2.3.1

**#5 - 09/27/2016 07:13 PM - Tom Morris**

- Subject changed from [API] [Workbench] Ruby 2.2 compatibility to [API] [Workbench] Ruby 2.3 compatibility
- Target version changed from Arvados Future Sprints to 2016-10-12 sprint

**#6 - 09/27/2016 07:15 PM - Tom Morris**

- Subject changed from [API] [Workbench] Ruby 2.3 compatibility to [API] [Workbench] Ruby 2.2 or 2.3 compatibility

**#7 - 09/28/2016 07:43 PM - Tom Clegg**

- Assigned To set to Tom Clegg
- Priority changed from High to Normal

**#8 - 09/28/2016 07:44 PM - Tom Clegg**

- Priority changed from Normal to High

**#9 - 10/10/2016 01:58 PM - Tom Clegg**

- Status changed from New to In Progress

**#10 - 10/11/2016 08:29 PM - Tom Clegg**

5737-ruby231

test [b0200d9b2e88ac3b401ae0c16e5921aaa2c560cd](https://ci.curoverse.com/job/developer-run-tests/19/) → <https://ci.curoverse.com/job/developer-run-tests/19/>

I would rather stick with Minitest, but I timed out trying to make it work with Rails3+Ruby2.3 -- switching (temporarily?) to test-unit was easier.

**#11 - 10/12/2016 03:42 PM - Tom Clegg**

Got minitest working. Only remaining trouble is TESTOPTS=-v is ignored.

**#12 - 10/12/2016 06:40 PM - Lucas Di Pentima**

- Assigned To changed from Tom Clegg to Lucas Di Pentima
- Target version changed from 2016-10-12 sprint to 2016-10-26 sprint

**#13 - 10/26/2016 07:22 PM - Radhika Chippada**

- Target version changed from 2016-10-26 sprint to 2016-11-09 sprint

**#14 - 11/09/2016 08:18 PM - Lucas Di Pentima**

- Target version changed from 2016-11-09 sprint to 2016-11-23 sprint

**#15 - 11/12/2016 07:28 PM - Tom Morris**

Just to clarify Note4, while Ruby 2.1 is in security maintenance phase, no EOL has been announced. I suspect the official EOL date will be announced at Christmas when Ruby 2.4 is released and that it will be no earlier than March 1, 2017 and more likely June, 2017.

Still, even though the deadline isn't imminent, it'd be good to get this closed out so we can move on to the more valuable updating of Rails for the API server. This on its third sprint.

**#16 - 11/23/2016 07:32 PM - Lucas Di Pentima**

- Target version changed from 2016-11-23 sprint to 2016-12-14 sprint

**#17 - 11/29/2016 04:08 PM - Lucas Di Pentima**

Changes at: [b9e5c8b32858338850da3e12ce27570b828898b3](https://ci.curoverse.com/job/developer-run-tests/19/)  
Couldn't make minitest execute the tests, so I deleted it leaving test-unit to do the work.  
Fixes in several tests and other parts of the code following ruby warning messages.  
Fixed the container reuse tests.

**#18 - 12/01/2016 07:25 PM - Tom Clegg**

LGTM @ [b9e5c8b](https://ci.curoverse.com/job/developer-run-tests/19/)

There is one Workbench test that fails for me on ruby2.3.1 but still passes on 2.1.10. I assume we'll need to sort that out before recommending Ruby 2.3, but I don't see why that should prevent us from merging the rest of the fixes in the meantime.

```
$ echo 2.3.1 >.ruby-version
```

```
$ ruby -v
ruby 2.3.1p112 (2016-04-26 revision 54768) [x86_64-linux]
$ time WORKSPACE=`pwd` ./build/run-tests.sh --temp `pwd`/tmp --retry --only-install x --only apps/workbench ap
ps/workbench_test=TESTOPTS=-n=/visit.dashboard.as.admin/
...
1) Error:
ApplicationLayoutTest#test_visit_dashboard_as_admin:
Capybara::ExpectationNotMet: expected to find text "pipeline_with_job" in "pipeline_1 Failed 2:04 PM 01/12/201
6 Active for 0m0s No output zzzzz-dlhrv-subprojpipeline
Not started Started at 2:03 PM 01/12/2016. Active for 1m. zzzzz-dlhrv-f4gney6brlxize
Not started Started at 2:03 PM 01/12/2016. Active for 1m. pipeline_1 Not started Started at 2:03 PM 01/12/201
6. Active for 1m. uncommitted Uncommitted Started at 2:02 PM 01/12/2016. Active for 2m. running Started at 2:0
3 PM 01/12/2016. Active for 1m. requester_for_running_cr queued Queued Started at 2:02 PM 01/12/2016. Active f
or 2m. completed container request Complete 6:12 AM 12/01/2016 Active for 1d1m 1f4b0bc7583c2a7f9102c395f4ffc5e
3+45 pipeline_2 Not started Started at 2:02 PM 01/12/2016. Active for 2m. zzzzz-dlhrv-twodonepipeline
Complete 2:03 PM 01/12/2016 Active for 1m No output zzzzz-dlhrv-jq16l10gcsnyumo
Ready Started at 2:01 PM 01/12/2016. Active for 3m. running_with_job Started at 2:01 PM 01/12/2016. Active fo
r 3m."
  test/integration/application_layout_test.rb:259:in `block (3 levels) in <class:ApplicationLayoutTest>'
  test/integration/application_layout_test.rb:258:in `block (2 levels) in <class:ApplicationLayoutTest>'
  test/test_helper.rb:299:in `run'
```

**#19 - 12/13/2016 04:33 PM - Lucas Di Pentima**

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