

Arvados - Bug #16791

[API] flaky test case

use_ownership_and_permission_links_to_determine_which_logs_a_user_can_see

09/01/2020 02:50 PM - Tom Clegg

Status:	Resolved	Start date:	09/18/2020
Priority:	Normal	Due date:	
Assigned To:	Lucas Di Pentima	% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:	2020-09-23 Sprint		
Description			
Example from https://ci.arvados.org/job/developer-run-tests-services-api/2148/console			
<pre>LogTest#test_use_ownership_and_permission_links_to_determine_which_logs_a_user_can_see = 0.01 s = E ... LogTest#test_use_ownership_and_permission_links_to_determine_which_logs_a_user_can_see: ActiveRecord::RecordNotFound: Couldn't find Log with 'id'=2 test/unit/log_test.rb:277:in `block in assert_log_result' test/unit/log_test.rb:276:in `each' test/unit/log_test.rb:276:in `assert_log_result' test/unit/log_test.rb:255:in `block in <class:LogTest>'</pre>			
Subtasks:			
Task # 16815: Review 16791-api-flaky-test-fix			Resolved

Associated revisions

Revision 625076c0 - 09/22/2020 12:49 PM - Lucas Di Pentima

Merge branch '16791-api-flaky-test-fix'
Closes #16791

Arvados-DCO-1.1-Signed-off-by: Lucas Di Pentima <lucas@di-pentima.com.ar>

History

#1 - 09/09/2020 02:25 PM - Lucas Di Pentima

- Target version changed from 2020-09-09 Sprint to 2020-09-23 Sprint
- Assigned To set to Lucas Di Pentima

#2 - 09/16/2020 02:25 PM - Lucas Di Pentima

- Status changed from New to In Progress

#3 - 09/18/2020 08:36 PM - Lucas Di Pentima

Updates at [8503c026e](https://ci.arvados.org/job/developer-run-tests-services-api/2202/) - branch 16791-api-flaky-test-fix

Test runs:

- <https://ci.arvados.org/job/developer-run-tests-services-api/2198/>
- <https://ci.arvados.org/job/developer-run-tests-services-api/2199/>
- <https://ci.arvados.org/job/developer-run-tests-services-api/2200/>
- <https://ci.arvados.org/job/developer-run-tests-services-api/2201/>
- <https://ci.arvados.org/job/developer-run-tests-services-api/2202/>

Log fixtures lacking the created_at field set in the past in combination with incorrect testing made us believe all tests at LogTest were working ok.

Specifically, LogTest#test_delete_old_audit_logs_in_thread was not doing the waiting for the log entries to be eliminated, so there was a race between the AuditLogs thread cleaning the records and the test teardown doing the rollback, producing the intermittent failure of LogTest#use_ownership_and_permission_links_to_determine_which_logs_a_user_can_see.

I think this is just a testing bug, unless we should be checking the event_at field when deleting old logs.

The flaky test wasn't showing up previous to the rails upgrade because we were explicitly rolling back the deletions after finishing the test but now that all threads share the same db connection when running tests, it's already taken care of.

#4 - 09/18/2020 10:16 PM - Lucas Di Pentima

On an additional note: It never failed when running only the LogTest suite probably because it didn't pass more than 20 seconds between the database is seeded and the test is run, so the logs were never deleted.

#5 - 09/21/2020 02:22 PM - Tom Clegg

LGTM, thanks!

#6 - 09/22/2020 12:55 PM - Anonymous

- % Done changed from 0 to 100

- Status changed from In Progress to Resolved

Applied in changeset [arvados|625076c05698e37beb732850dc01248be9dbe7f6](#).

#7 - 10/07/2020 02:11 AM - Peter Amstutz

- Release set to 25