Arvados - Bug #10124

[FUSE] Fix flaky test FuseUpdateFromEventTest

09/23/2016 05:47 PM - Tom Clegg

Status:	Resolved		**Start date:**	
Priority:	Normal		**Due date:**	
Assigned To:	Tom Clegg		**% Done:**	100%
Category:			**Estimated time:**	0.00 hour
Target version:	2016-09-28 sprint			

Description

Associated revisions

Revision c2fdf5d2 - 09/24/2016 02:31 AM - Tom Clegg

Merge branch '10124-fix-sleepy-tests' closes #10124

History

#1 - 09/23/2016 06:42 PM - Radhika Chippada

Review comments:

- AssertWithin might be clearer if AssertWithinInterval? Also, instead of "seconds" can you please call it "interval"?

- In AssertWithin -> attempt, can you add a "time expired" message to "raise" when "time.time() > self.deadline"?

- Am I understanding it correctly (sorry, python) that if AssertWithin -> attempt, if the "fn" fails for any other errors, they will be raised and the test will fail as needed?

#2 - 09/23/2016 06:58 PM - Tom Clegg

Radhika Chippada wrote:

> - AssertWithin might be clearer if AssertWithinInterval? Also, instead of "seconds" can you please call it "interval"?

Changed to AssertWithTimeout(timeout=x) -- timeout seems to be the customary Python word for this.

> - In AssertWithin -> attempt, can you add a "time expired" message to "raise" when "time.time() > self.deadline"?

"raise" by itself raises the original assertion error with test's own message, which seems more useful. For example, changing the timeout from 10 to 0.00001 results in

```
runTest (tests.test_mount.FuseUpdateFromEventTest) ... FAIL

======================================================================
FAIL: runTest (tests.test_mount.FuseUpdateFromEventTest)
----------------------------------------------------------------------
Traceback (most recent call last):
  File "/home/tom/src/arvados/services/fuse/tests/test_mount.py", line 744, in runTest
    attempt(self.assertEqual, ["file1.txt"], llfuse.listdir(os.path.join(self.mounttmp)))
  File "/home/tom/src/arvados/services/fuse/tests/test_mount.py", line 44, in attempt
    fn(*args, **kwargs)
AssertionError: Lists differ: ['file1.txt'] != []

First list contains 1 additional elements.
First extra element 0:
file1.txt

- ['file1.txt']
+ []
```

> - Am I understanding it correctly (sorry, python) that if AssertWithin -> attempt, if the "fn" fails for any other errors, they will be raised and the test will fail as needed?

Yes, that's right.

#3 - 09/23/2016 07:15 PM - Radhika Chippada

- Assigned To set to Tom Clegg

#4 - 09/24/2016 02:55 AM - Tom Clegg

- Status changed from In Progress to Resolved

- % Done changed from 0 to 100

Applied in changeset arvados|commit:c2fdf5d225efe65edcab383b213eca27e2cca30e.