

## Arvados - Story #14870

### [API] Access logs from previous attempts after auto-retrying a container request

02/20/2019 02:50 PM - Tom Clegg

<b>Status:</b>	Resolved	<b>Start date:</b>	03/01/2019
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assigned To:</b>	Peter Amstutz	<b>% Done:</b>	100%
<b>Category:</b>	API	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	2019-03-13 Sprint		
<b>Description</b>			
Preserve all relevant logs in the container request's log collection, even if they span multiple containers.			
Instead of just replacing the CR's entire log collection when the container's log is updated:			
<ul style="list-style-type: none"><li>• Copy the container's log files into a "container \${uuid}" subdir in the container request's log collection.</li><li>• Leave any existing "container \${uuid}" subdirs alone.</li><li>• Also put a copy of the latest container's logs in the root dir of the container request's log collection. This way, existing scripts continue to work on new logs.</li></ul>			
(Aside: This also helps in the case where the container record itself is really what's wanted, since that is included in the container's log collection. There are currently some exceptions -- e.g., a log collection isn't created at all when a container doesn't fit any instance type -- but those could be fixed.)			
<b>Subtasks:</b>			
Task # 14894: Review 14870-retry-logs			<b>Resolved</b>
Task # 14908: Review 14870-ruby-sdk-cp-r			<b>Resolved</b>
<b>Related issues:</b>			
Related to Arvados - Feature #14706: [Crunch2] Retain references + permission...			<b>Resolved</b>

#### Associated revisions

##### Revision fd86f7f4 - 03/01/2019 09:20 PM - Peter Amstutz

Merge branch '14870-ruby-sdk-cp-r' refs #14870

Arvados-DCO-1.1-Signed-off-by: Peter Amstutz <[pamstutz@veritasgenetics.com](mailto:pamstutz@veritasgenetics.com)>

##### Revision 2944dd6d - 03/07/2019 05:58 PM - Peter Amstutz

Merge branch '14870-retry-logs' refs #14870

Arvados-DCO-1.1-Signed-off-by: Peter Amstutz <[pamstutz@veritasgenetics.com](mailto:pamstutz@veritasgenetics.com)>

##### Revision 233e184e - 03/15/2019 02:10 PM - Peter Amstutz

Fix a-c-r printing logs on error refs #14870

Arvados-DCO-1.1-Signed-off-by: Peter Amstutz <[pamstutz@veritasgenetics.com](mailto:pamstutz@veritasgenetics.com)>

#### History

##### #1 - 02/20/2019 02:50 PM - Tom Clegg

- Related to Feature #14706: [Crunch2] Retain references + permissions to earlier containers when retrying a container request added

##### #2 - 02/20/2019 02:51 PM - Tom Morris

- Target version changed from To Be Groomed to 2019-02-27 Sprint

- Story points set to 2.0

##### #3 - 02/21/2019 02:53 PM - Tom Morris

- Target version changed from 2019-02-27 Sprint to Arvados Future Sprints

##### #4 - 02/27/2019 04:28 PM - Tom Morris

- Target version changed from Arvados Future Sprints to 2019-03-13 Sprint

#### #5 - 02/27/2019 04:34 PM - Peter Amstutz

- Assigned To set to Peter Amstutz

#### #6 - 03/01/2019 03:34 PM - Peter Amstutz

- Status changed from New to In Progress

#### #7 - 03/01/2019 07:34 PM - Tom Morris

- Release set to 15

#### #8 - 03/01/2019 09:00 PM - Peter Amstutz

14870-ruby-sdk-cp-r @ [338ab239adb259d5cd070158b4e571925b9f81b](#)

The gist is that the ruby sdk seems to have a long standing bug where you can't copy into "." of an empty collection. It follows a different code path from the case where you are copying into a collection that already has something in it, as a result the existing test case "test\_copy\_root\_contents\_across\_collections" didn't catch it.

#### #9 - 03/01/2019 09:44 PM - Lucas Di Pentima

As previously said on chat, 14870-ruby-sdk-cp-r LGTM. Thanks!

#### #10 - 03/04/2019 08:21 PM - Peter Amstutz

14870-retry-logs @ [6a240180171525077bc9e64e903b0122d5d5f1b4](#)

<https://ci.curoverse.com/view/Developer/job/developer-run-tests/1097/>

- Logs for each container copied into subdirectory "container log for [uuid]". The most recent logs are also copied into the root of the collection when the container is finalized to minimize breaking existing code.
- Update tests

I'm open to changing the exact name of the subdirectory. Some other possibilities are

- just the uuid (no extra text)
- "log for attempt [uuid]"
- "failed attempt [uuid]"

#### #11 - 03/04/2019 10:18 PM - Peter Amstutz

Updating the Arvados Ruby SDK dependency creates an incidental problem, [#14482](#) tightens up manifest handling but did not update the API server dependency. That's now causing problems:

```
ERROR: runTest (tests.test_mount.FuseMountTest)
```

```
-----  
Traceback (most recent call last):
```

```
File "/home/ci-jenkins/.jenkins-slave/workspace/developer-run-tests-services-fuse/services/fuse/tests/test_m  
ount.py", line 91, in setUp
```

```
    self.api.collections().create(body={"manifest_text":cw.manifest_text()}).execute()
```

```
File "/tmp/tmp.HdFRwOWIb9/VENVDIR/local/lib/python2.7/site-packages/googleapiclient/_helpers.py", line 130,  
in positional_wrapper
```

```
    return wrapped(*args, **kwargs)
```

```
File "/tmp/tmp.HdFRwOWIb9/VENVDIR/local/lib/python2.7/site-packages/googleapiclient/http.py", line 840, in e  
xecute
```

```
    raise HttpError(resp, content, uri=self.uri)
```

```
ApiError: <HttpError 422 when requesting https://0.0.0.0:43523/arvados/v1/collections?alt=json returned "Manif  
est text Manifest invalid for stream 5: invalid file token "4:1:\u0001\\"">
```

#### #13 - 03/06/2019 07:52 PM - Peter Amstutz

<https://ci.curoverse.com/view/Developer/job/developer-run-tests/1100/>

#### #14 - 03/06/2019 08:57 PM - Lucas Di Pentima

The changes LGTM. However, there's the pending FUSE issue. Just in case I did a complete test run:

<https://ci.curoverse.com/job/developer-run-tests/1101/>

#### #15 - 03/06/2019 09:01 PM - Peter Amstutz

[https://ci.curoverse.com/view/Developer/job/developer-run-tests/1103](https://ci.curoverse.com/view/Developer/job/developer-run-tests/1103/)

#16 - 03/07/2019 04:28 PM - Peter Amstutz

<https://ci.curoverse.com/view/Developer/job/developer-run-tests/1109>

#17 - 03/08/2019 03:24 PM - Peter Amstutz

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