

Arvados - Bug #17779

Exceptions thrown by the Python SDK should include the request id if possible

06/08/2021 05:57 PM - Peter Amstutz

Status: Resolved	Start date: 09/29/2021
Priority: Normal	Due date:
Assigned To: Tom Clegg	% Done: 100%
Category: SDKs	Estimated time: 0.00 hour
Target version: 2021-10-13 sprint	
Description	
Subtasks:	
Task # 17791: Review 17779-request-id-in-exception	Resolved
Related issues:	
Blocked by Arvados - Bug #17830: Controller doesn't propagate back X-Request-...	Resolved 07/22/2021

Associated revisions

Revision 14412081 - 10/06/2021 06:51 PM - Tom Clegg

Merge branch '17779-request-id-in-exception'

closes #17779

Arvados-DCO-1.1-Signed-off-by: Tom Clegg <tom@curii.com>

History

#1 - 06/09/2021 04:04 PM - Peter Amstutz

- Assigned To set to Lucas Di Pentima

#2 - 06/21/2021 08:11 PM - Lucas Di Pentima

- Status changed from New to In Progress

#3 - 06/23/2021 03:31 PM - Lucas Di Pentima

- Target version changed from 2021-06-23 sprint to 2021-07-07 sprint

#4 - 06/23/2021 03:50 PM - Lucas Di Pentima

- Blocked by Bug #17830: Controller doesn't propagate back X-Request-Id headers on "new code path" endpoints added

#5 - 06/23/2021 03:50 PM - Lucas Di Pentima

- Target version changed from 2021-07-07 sprint to 2021-07-21 sprint

#6 - 06/23/2021 03:50 PM - Lucas Di Pentima

- Status changed from In Progress to New

Pausing this while we fix [#17830](#)

#7 - 07/21/2021 02:54 PM - Lucas Di Pentima

- Target version changed from 2021-07-21 sprint to 2021-08-04 sprint

#8 - 08/03/2021 06:40 PM - Lucas Di Pentima

- Status changed from New to In Progress

#9 - 08/04/2021 02:31 PM - Lucas Di Pentima

- Target version changed from 2021-08-04 sprint to 2021-08-18 sprint

#10 - 08/18/2021 01:55 PM - Lucas Di Pentima

- Target version changed from 2021-08-18 sprint to 2021-09-01 sprint

#11 - 09/01/2021 01:36 PM - Lucas Di Pentima

- Target version changed from 2021-09-01 sprint to 2021-09-15 sprint

#12 - 09/15/2021 02:03 PM - Lucas Di Pentima

- Target version changed from 2021-09-15 sprint to 2021-09-29 sprint

#13 - 09/28/2021 06:45 PM - Tom Clegg

- Assigned To changed from Lucas Di Pentima to Tom Clegg

While testing this I found a couple of instances where we do

```
try:
    ...
except RealException as e:
    raise BetterExplanation('encountered error %s', str(e))
```

In Python 3, this causes a confusing report like this, which is not what we intended:

```
Traceback:
(stack trace)
RealException: ...
```

During handling of the above exception, another exception occurred:

```
Traceback:
(stack trace)
BetterExplanation: encountered error ...
```

Updated to "raise ... from None" to suppress the extra stack trace and the misleading "another exception occurred" text.

Since [#13147](#) arv-put also appends the request ID to anything logged at "debug" or "error" level, so now it appears twice. Not sure whether we want to update arv-put to remove one of them.

```
2021-09-28 14:24:06 arvados.arv_put[2719] INFO: Resuming upload from cache file /home/tom/.cache/arvados/arv-put/5100a66866e71d151688c003f7e05230
0M / 0M 0.0% 2021-09-28 14:24:34 arvados.arv_put[2719] ERROR: arv-put: Error writing some blocks: block f555a8e1db0ef866c91b92db87275b7e+21155 raised KeepWriteError ([req-i6kwtgjylon7bsq0x4uk] failed to write f555a8e1db0ef866c91b92db87275b7e after 4 attempts (wanted (2, ['default']) copies but wrote (0, [])): service http://localhost:45621/ responded with 0 (7, 'Failed to connect to localhost port 45621: Connection refused'); service http://localhost:49069/ responded with 0 (7, 'Failed to connect to localhost port 49069: Connection refused')) (X-Request-Id: req-i6kwtgjylon7bsq0x4uk)
```

17779-request-id-in-exception @ [ea5a800b643143baade1eb6c7f1760d366d92674](#) -- <https://ci.arvados.org/view/Developer/job/developer-run-tests/2712/>

#14 - 09/28/2021 07:15 PM - Peter Amstutz

- Release set to 42

#15 - 09/29/2021 02:08 AM - Tom Clegg

Fixed wrong exception returned for invalid manifest caught by test.

17779-request-id-in-exception @ [13284d68be03f9d23cb59c94bc7dc72701fdec11](#) -- <https://ci.arvados.org/view/Developer/job/developer-run-tests/2715/>

#16 - 09/29/2021 03:22 PM - Peter Amstutz

- Target version changed from 2021-09-29 sprint to 2021-10-13 sprint

#17 - 09/29/2021 06:21 PM - Peter Amstutz

Tom Clegg wrote:

Fixed wrong exception returned for invalid manifest caught by test.

17779-request-id-in-exception @ [13284d68be03f9d23cb59c94bc7dc72701fdec11](#) -- <https://ci.arvados.org/view/Developer/job/developer-run-tests/2715/>

LGTM

#18 - 10/06/2021 07:22 PM - Tom Clegg

- *Status changed from In Progress to Resolved*

Applied in changeset arvados-private:commit:arvados|1441208182ced30e28f05611fbfa51674570dd1e.