

Arvados - Bug #15946

[crunch-run] [collectionfs] Deadlock while writing output collection

12/21/2019 09:19 PM - Tom Clegg

Status:	Resolved	Start date:	12/23/2019
Priority:	Normal	Due date:	
Assigned To:	Tom Clegg	% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:	2020-01-02 Sprint		
Description			
Running several similar containers, some succeeded but some got stuck while writing the final output collection. The log indicates all of the expected files were written to collectionfs ("copying ... (... bytes)") but the finished collection was never saved.			
Subtasks:			
Task # 15947: Review 15946-collectionfs-deadlock			Resolved
Related issues:			
Related to Arvados - Bug #15928: Deadlock in crunch-run tests		Resolved	12/11/2019
Related to Arvados - Bug #15910: [crunch-run] Crash while writing output files		Resolved	12/04/2019

Associated revisions

Revision 949abe8b - 12/30/2019 03:16 PM - Tom Clegg

Merge branch '15946-collectionfs-deadlock'

fixes #15946

Arvados-DCO-1.1-Signed-off-by: Tom Clegg <tom@tomclegg.ca>

History

#1 - 12/21/2019 10:18 PM - Tom Clegg

Found a case where commitBlock would set a "flushing in progress" flag on a segment, but then return early (and never indicate it was done) because a different segment had another flush in progress. Once that happened, sync operations like MarshalManifest would block forever.

15946-collectionfs-deadlock @ [c05caa378debd04205690c6cb96508e4e7fb6c8b](#) -- [developer-run-tests: #1700](#)
[icon?job=developer-run-tests&build=1700](#)

#2 - 12/22/2019 12:34 AM - Tom Clegg

- Related to Bug #15928: Deadlock in crunch-run tests added

#3 - 12/22/2019 12:34 AM - Tom Clegg

- Related to Bug #15910: [crunch-run] Crash while writing output files added

#4 - 12/23/2019 08:35 PM - Lucas Di Pentima

This LGTM, thanks!

#5 - 12/30/2019 03:32 PM - Anonymous

- % Done changed from 0 to 100

- Status changed from In Progress to Resolved

Applied in changeset [arvados!949abe8b7922c2b8d74b40366f053fdab1a1d214](#).

#6 - 12/30/2019 09:24 PM - Peter Amstutz

- Target version changed from 2020-01-15 Sprint to 2020-01-02 Sprint