

Arvados - Bug #10292

[CWL] Sometimes deadlocks on completion of subworkflow

10/18/2016 05:16 PM - Brad Chapman

Status:	Resolved	Start date:	10/18/2016
Priority:	Normal	Due date:	
Assigned To:	Peter Amstutz	% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:	2017-02-01 sprint		
Description			
Peter; This is a ticket to follow up on our discussion about deadlocks during bcbio CWL runs. These are intermittent and thus hard to provide a test case for but the behavior is that the run will report on a deadlock with all successfully completed tasks. Restarting a workflow with reuse enabled picks up where it left off and will keep running to completion. The deadlock occurs in multiple places although is most often seen during alignment and variant calling in steps with multiple points of parallelization: <pre>[step vc_output_record] completion status is success [workflow variantcall] outdir is /tmp/user/1001/tmpBDstpi [step variantcall] completion status is success 2016-10-18 07:35:42 arvados.cwl-runner[14721] ERROR: Workflow is deadlocked, no runnable jobs and not waiting on any pending jobs. Workflow error, try again with --debug for more information: Workflow failed.</pre> It would be useful if we had better reporting so we could provide useful feedback during failures that would help with isolating the problem.			
Subtasks:			
Task # 10919: Wait and see if problem reoccurs			Resolved

Associated revisions

Revision df39fa64 - 01/18/2017 03:04 PM - Peter Amstutz

Merge branch '10292-cwl-deadlock' refs #10292

History

#1 - 01/16/2017 10:06 PM - Tom Morris

- Target version set to 2017-02-01 sprint

#2 - 01/17/2017 07:37 PM - Tom Morris

- Story points set to 0.5

#3 - 01/18/2017 02:14 PM - Peter Amstutz

- Subject changed from [CWL] Improved debugging for deadlocks with bcbio runs to [CWL] Sometimes deadlocks on completion of subworkflow

- Status changed from New to In Progress

#4 - 01/18/2017 08:20 PM - Peter Amstutz

Fix is in [df39fa6468ecb8d428a808392fc948426b602fc6](#)

#5 - 02/01/2017 07:57 PM - Peter Amstutz

- Status changed from In Progress to Resolved