

Arvados - Bug #16169

tiling workflow cancelled for unknown reason

02/20/2020 08:41 PM - Jiayong Li

Status:	Resolved	Start date:	03/02/2020
Priority:	Normal	Due date:	
Assigned To:	Peter Amstutz	% Done:	100%
Category:	Crunch	Estimated time:	0.00 hour
Target version:	2020-03-11 Sprint		
Description			
Running tiling workflow but it gets cancelled. https://workbench.su92l.arvadosapi.com/container_requests/su92l-xvhdp-mzryscgtubgva9			
I tried various run time constraints and workflow parameters, but they all get cancelled.			
Before su92l was upgraded, I ran a workflow of the same scale (input also around 2TB), and it was successful. https://workbench.su92l.arvadosapi.com/container_requests/su92l-xvhdp-nm507pzmjqiai4s			
Contrasting individual jobs from these two runs, https://workbench.su92l.arvadosapi.com/container_requests/su92l-xvhdp-vdlq5f0hqldtts0 completed but https://workbench.su92l.arvadosapi.com/container_requests/su92l-xvhdp-t3dtsqsi3vqfetb is cancelled.			
Subtasks:			
Task # 16187: Review 16169-cwl-hints			Resolved

Associated revisions

Revision c56d0426 - 03/02/2020 07:05 PM - Peter Amstutz

Merge branch '16169-cwl-hints' refs #16169

Arvados-DCO-1.1-Signed-off-by: Peter Amstutz <peter.amstutz@curii.com>

History

#1 - 02/21/2020 12:09 AM - Jiayong Li

I changed "no_listing" from "hints" to "requirements", still failed

https://workbench.su92l.arvadosapi.com/container_requests/su92l-xvhdp-jqx484v754z4vzl

#2 - 02/21/2020 02:17 PM - Lucas Di Pentima

- Target version changed from To Be Groomed to 2020-02-26 Sprint

- Assigned To set to Lucas Di Pentima

- Status changed from New to In Progress

- Category set to Crunch

It seems that the container is getting OOM-killed.

We're also getting a warning on the log:

```
Warning: cwltool: ../../lib/cwl/workflow.json:1:25668: Recursive directory listing has resulted in a large number of
```

```
File objects (1733821) passed to the input parameter 'fjdir'.  
This may negatively affect workflow performance and memory use.
```

```
If this is a problem, use the hint  
'cwltool:LoadListingRequirement' with "shallow_listing" or  
"no_listing" to change the directory listing behavior:
```

```
$namespaces:  
  cwltool: "http://commonwl.org/cwltool#"  
hints:  
  cwltool:LoadListingRequirement:  
    loadListing: shallow_listing
```

...but the workflow already has the no_listing hint from previous (pre 2.0) successful runs. Maybe this hint is being ignored?

#3 - 02/21/2020 03:47 PM - Jiayong Li

specifying "no_listing" on the workflow got ignored
but specifying "no_listing" on the job level works

https://workbench.su92l.arvadosapi.com/container_requests/su92l-xvhdp-lpvofphpiwrtqan

#4 - 02/26/2020 03:18 PM - Peter Amstutz

- Target version changed from 2020-02-26 Sprint to 2020-03-11 Sprint

#5 - 02/28/2020 02:20 PM - Peter Amstutz

- Assigned To changed from Lucas Di Pentima to Peter Amstutz

#6 - 02/28/2020 02:20 PM - Lucas Di Pentima

Updates at [b12b6c014f0e26fb4c2c2a5ad27a36c3685babf1](https://github.com/16169-cwl-hints) - branch 16169-cwl-hints

I was able to reproduce the bug via an a-c-r integration test, handing this off to Peter as I'm a bit stuck and it would be great to have it done for 2.0.1

#7 - 02/28/2020 02:24 PM - Peter Amstutz

- Release set to 29

#8 - 02/28/2020 04:50 PM - Peter Amstutz

For some reason, this bug appears when the workflow is --submitted and run a container, but if run directly on the host with --local it doesn't do it.

#9 - 03/02/2020 04:13 PM - Peter Amstutz

16169-cwl-hints @ [1d9e4de7a4ff994cfc7a9319dcae56bb26c272b3](https://github.com/1d9e4de7a4ff994cfc7a9319dcae56bb26c272b3)

<https://ci.arvados.org/view/Developer/job/developer-run-tests/1761/>

#10 - 03/02/2020 07:04 PM - Lucas Di Pentima

This LGTM, thanks!

#11 - 03/03/2020 02:22 PM - Peter Amstutz

- Status changed from In Progress to Resolved