

## Arvados - Bug #15241

### [a-c-r] crashing using collection in writable initialWorkDir

05/17/2019 03:29 PM - Peter Amstutz

<b>Status:</b>	Resolved	<b>Start date:</b>	
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assigned To:</b>	Peter Amstutz	<b>% Done:</b>	0%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	2019-05-22 Sprint		
<b>Description</b>			
<pre>- class: InitialWorkDirRequirement   listing:     - entry: \$(inputs.geneBankFilesDir)       writable: true  "keep:e4b03abaf2b9912f3823d19bd78f296b+219": [   "keep:e4b03abaf2b9912f3823d19bd78f296b+219",   "/var/spool/cwl/e4b03abaf2b9912f3823d19bd78f296b+219",   "WritableDirectory",   false ],</pre>			
Traceback (most recent call last):			
<pre>File "/usr/lib/python2.7/site-packages/arvados_cwl/executor.py", line 700, in arv_executor   self.start_run(runnable, runtimeContext) File "/usr/lib/python2.7/site-packages/arvados_cwl/executor.py", line 219, in start_run   self.workflow_eval_lock, self.stop_polling) File "/usr/lib/python2.7/site-packages/arvados_cwl/task_queue.py", line 44, in add   task() File "/usr/lib/python2.7/site-packages/arvados_cwl/arvcontainer.py", line 152, in run   vwd.copy(path, p.target, source_collection=source) File "/usr/lib/python2.7/site-packages/arvados/arvfile.py", line 472, in must_be_writable_wrappe r   return orig_func(self, *args, **kwargs) File "/usr/lib/python2.7/site-packages/arvados/arvfile.py", line 273, in synchronized_wrapper   return orig_func(self, *args, **kwargs) File "/usr/lib/python2.7/site-packages/arvados/collection.py", line 923, in copy   target_dir.add(source_obj, target_name, overwrite, False) File "/usr/lib/python2.7/site-packages/arvados/arvfile.py", line 472, in must_be_writable_wrappe r   return orig_func(self, *args, **kwargs) File "/usr/lib/python2.7/site-packages/arvados/arvfile.py", line 273, in synchronized_wrapper   return orig_func(self, *args, **kwargs) File "/usr/lib/python2.7/site-packages/arvados/collection.py", line 849, in add   item = source_obj.clone(self, target_name) AttributeError: 'NoneType' object has no attribute 'clone'</pre>			
<p>The problem is that <code>get_collection()</code> returns <code>None</code> for path when there is no path in the keep: URI. The <code>None</code> gets passed into <code>vwd.copy()</code> and causes it to crash.</p>			
<p>It should probably be changed to path or "." so that it refers to the whole collection in that case.</p>			
<p>Write a test case to confirm the bug &amp; the fix.</p>			

#### Associated revisions

**Revision c0319561 - 05/20/2019 07:48 PM - Peter Amstutz**

Merge branch '15241-collection-input' refs #15241

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

**Revision 0559157e - 05/20/2019 08:42 PM - Peter Amstutz**

Fix cwl tests refs #15241

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

## History

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**#1 - 05/17/2019 03:29 PM - Peter Amstutz**

- Status changed from New to In Progress

**#2 - 05/17/2019 03:29 PM - Peter Amstutz**

- Subject changed from [a-c-r] crashing using writable collection in initialWorkDir to [a-c-r] crashing using collection in writable initialWorkDir

**#3 - 05/17/2019 03:39 PM - Peter Amstutz**

- Description updated

**#4 - 05/20/2019 07:49 PM - Peter Amstutz**

- Status changed from In Progress to Resolved

**#5 - 05/21/2019 10:27 PM - Tom Morris**

- Release set to 15