

Arvados - Bug #13931

[CWL] size field not accessible on arvados

07/30/2018 03:34 PM - Jiayong Li

Status: Resolved	Start date: 08/06/2018
Priority: Normal	Due date:
Assigned To: Peter Amstutz	% Done: 100%
Category:	Estimated time: 0.00 hour
Target version: 2018-08-15 Sprint	
Description	
Getting the cwl error.	
<pre>2018-07-30T14:55:20.765294319Z cwltool ERROR: Execution failed: ../../lib/cwl/workflow.json:1:26: Expression evaluation error: 2018-07-30T14:55:20.765294319Z ../../lib/cwl/workflow.json:1:26: Syntax error in parameter referen ce 'inputs.fastql.size': inputs.fastql.size does not contain key 'size'. This could be due to usin g Javascript code without specifying InlineJavascriptRequirement.</pre>	
cwl script as follows	
<pre>cwlVersion: v1.0 class: CommandLineTool inputs: fastql: File outputs: out: stdout baseCommand: echo arguments: - \$(inputs.fastql.size) stdout: size.txt</pre>	
Version	
<pre>/data-sdd/home/jiayong/envs/acr/bin/arvados-cwl-runner 1.1.4.20180720151136, arvados-python-client 1.1.4.20180720151136, cwltool 1.0.20180615183820</pre>	
Subtasks:	
Task # 13949: Review 13931-cwl-size	Resolved
Task # 14023: Review 13931-uri-unquote	Resolved
Related issues:	
Related to Arvados - Bug #14074: a-c-r does not work with input keep locators...	Resolved

Associated revisions

Revision 61611952 - 08/07/2018 08:17 PM - Peter Amstutz

Merge branch '13931-cwl-size' refs #13931

Arvados-DCO-1.1-Signed-off-by: Peter Amstutz <pamstutz@veritasgenetics.com>

Revision 38c4ce8b - 08/09/2018 01:33 PM - Peter Amstutz

Merge branch '13931-cwltool-deps' refs #13931

Arvados-DCO-1.1-Signed-off-by: Peter Amstutz <pamstutz@veritasgenetics.com>

Revision 2a298d6c - 08/09/2018 04:54 PM - Peter Amstutz

Fix version of 'typing' dep refs #13931

Arvados-DCO-1.1-Signed-off-by: Peter Amstutz <pamstutz@veritasgenetics.com>

Revision 4019ca8e - 08/10/2018 06:28 PM - Peter Amstutz

Fix version dependency on 'typing' refs #13931

Arvados-DCO-1.1-Signed-off-by: Peter Amstutz <pamstutz@veritasgenetics.com>

Revision 14c7497f - 08/13/2018 08:14 PM - Peter Amstutz

Merge branch '13931-uri-unquote' refs #13931

Arvados-DCO-1.1-Signed-off-by: Peter Amstutz <pamstutz@veritasgenetics.com>

History

#1 - 07/30/2018 03:34 PM - Jiayong Li

- Status changed from New to In Progress

#2 - 07/30/2018 03:37 PM - Jiayong Li

- Description updated

- Status changed from In Progress to New

#3 - 07/30/2018 05:42 PM - Jiayong Li

Related to <https://projects.veritasgenetics.com/issues/8093>

#4 - 07/30/2018 08:39 PM - Peter Amstutz

This is a bug in a-c-r, it is failing to fill in file sizes for inputs supplied as keep references.

#5 - 08/01/2018 03:46 PM - Peter Amstutz

- Assigned To set to Peter Amstutz

- Target version set to 2018-08-15 Sprint

#6 - 08/06/2018 09:16 PM - Peter Amstutz

13931-cwl-size @ [d94ed391d56f17f23e98a8e116849a44cac27e3b](https://ci.curoverse.com/view/Developer/job/developer-run-tests/838/)

<https://ci.curoverse.com/view/Developer/job/developer-run-tests/838/>

Corresponding work in cwltool: <https://github.com/common-workflow-language/cwltool/pull/855>

#7 - 08/06/2018 09:32 PM - Tom Clegg

Addition LGTM but it looks like various existing tests' expectations need to be updated to accommodate the new size field.

#8 - 08/07/2018 02:11 PM - Peter Amstutz

Tom Clegg wrote:

Addition LGTM but it looks like various existing tests' expectations need to be updated to accommodate the new size field.

Oops. I guess it is good that the tests are sensitive to that.

#12 - 08/07/2018 02:27 PM - Peter Amstutz

- Status changed from New to In Progress

#14 - 08/13/2018 06:45 PM - Peter Amstutz

This exposed a different bug with URI quoting filenames:

```
2018-08-13_18:36:52 2t1ax-8i9sb-vg3zchxctq1q4mk 29781 0 stderr Traceback (most recent call last):
2018-08-13_18:36:52 2t1ax-8i9sb-vg3zchxctq1q4mk
29781 0 stderr File "/usr/lib/python2.7/dist-packages/arvados_cwl/crunch_script.py", line 140, in run
2018-08-13_18:36:52 2t1ax-8i9sb-vg3zchxctq1q4mk
29781 0 stderr runner.arv_executor(t, job_order_object, args, logger=logger)
2018-08-13_18:36:52 2t1ax-8i9sb-vg3zchxctq1q4mk
29781 0 stderr File "/usr/lib/python2.7/dist-packages/arvados_cwl/__init__.py", line 559, in arv_executor
2018-08-13_18:36:52 2t1ax-8i9sb-vg3zchxctq1q4mk 29781 0 stderr runtimeContext)
2018-08-13_18:36:52 2t1ax-8i9sb-vg3zchxctq1q4mk
29781 0 stderr File "/usr/lib/python2.7/dist-packages/arvados_cwl/arvtool.py", line 42, in job
```

```
2018-08-13_18:36:52 2tlax-8i9sb-vg3zchxctq1q4mk
29781 0 stderr builder = self._init_job(joborder, builderargs)
2018-08-13_18:36:52 2tlax-8i9sb-vg3zchxctq1q4mk
29781 0 stderr File "/usr/lib/python2.7/dist-packages/cwltool/process.py", line 594, in _init_job
2018-08-13_18:36:52 2tlax-8i9sb-vg3zchxctq1q4mk
29781 0 stderr fill_in_defaults(self.tool[u"inputs"], job, fs_access)
2018-08-13_18:36:52 2tlax-8i9sb-vg3zchxctq1q4mk
29781 0 stderr File "/usr/lib/python2.7/dist-packages/cwltool/process.py", line 392, in fill_in_defaults
2018-08-13_18:36:52 2tlax-8i9sb-vg3zchxctq1q4mk
29781 0 stderr visit_class(job, ("File",), functools.partial(add_sizes, fsaccess))
2018-08-13_18:36:52 2tlax-8i9sb-vg3zchxctq1q4mk
29781 0 stderr File "/usr/lib/python2.7/dist-packages/cwltool/utils.py", line 223, in visit_class
2018-08-13_18:36:52 2tlax-8i9sb-vg3zchxctq1q4mk 29781 0 stderr visit_class(rec[d], cls, op)
2018-08-13_18:36:52 2tlax-8i9sb-vg3zchxctq1q4mk
29781 0 stderr File "/usr/lib/python2.7/dist-packages/cwltool/utils.py", line 221, in visit_class
2018-08-13_18:36:52 2tlax-8i9sb-vg3zchxctq1q4mk 29781 0 stderr op(rec)
2018-08-13_18:36:52 2tlax-8i9sb-vg3zchxctq1q4mk
29781 0 stderr File "/usr/lib/python2.7/dist-packages/cwltool/process.py", line 369, in add_sizes
2018-08-13_18:36:52 2tlax-8i9sb-vg3zchxctq1q4mk
29781 0 stderr obj["size"] = fsaccess.size(obj["location"])
2018-08-13_18:36:52 2tlax-8i9sb-vg3zchxctq1q4mk
29781 0 stderr File "/usr/lib/python2.7/dist-packages/arvados_cwl/fsaccess.py", line 149, in size
2018-08-13_18:36:52 2tlax-8i9sb-vg3zchxctq1q4mk
29781 0 stderr raise IOError(errno.EINVAL, "Not a path to a file %s" % (fn))
2018-08-13_18:36:52 2tlax-8i9sb-vg3zchxctq1q4mk
29781 0 stderr IOError: [Errno 22] Not a path to a file keep:6bf7c0d0f95d3ca89ce7a1d64ea4ff0a+56/item%20%231.
txt
```

#15 - 08/13/2018 08:11 PM - Tom Clegg

[fc582bfe0](#) LGTM

#16 - 08/14/2018 01:44 PM - Peter Amstutz

- Status changed from *In Progress* to *Resolved*

#17 - 08/23/2018 03:21 PM - Tom Clegg

- Related to Bug #14074: *a-c-r* does not work with input keep locators containing '#' characters added

#18 - 09/17/2018 01:18 PM - Ward Vandewege

- Release set to 13