

Arvados - Bug #10576

[CWL] Link checking must be able to recognize keep references

11/21/2016 03:06 PM - Peter Amstutz

Status:	Resolved	Start date:	12/05/2016
Priority:	Normal	Due date:	
Assigned To:	Peter Amstutz	% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:	2016-12-14 sprint		
Description			
Subtasks:			
Task # 10601: Implement custom schema-salad fetcher			Resolved
Task # 10616: Review 10576-cwl-keep-fetcher			Resolved

Associated revisions

Revision efb3422f - 12/14/2016 03:01 PM - Peter Amstutz

Merge branch '10576-cwl-keep-fetcher' closes #10576

Revision 386248b6 - 12/15/2016 04:44 PM - Peter Amstutz

Bump schema-salad version to fix rdflib-jsonld dependency. refs #10576

Revision a619c2ce - 12/16/2016 07:39 PM - Peter Amstutz

Fix CWL tests refs #10576

History

#1 - 11/21/2016 03:07 PM - Peter Amstutz

- Subject changed from [CWL] Link checking is able to recognize keep references to [CWL] Link checking must be able to recognize keep references

#2 - 11/21/2016 03:59 PM - Tom Morris

- Assigned To set to Peter Amstutz

- Target version set to 2016-11-23 sprint

#3 - 11/23/2016 07:37 PM - Peter Amstutz

- Status changed from New to In Progress

- Target version changed from 2016-11-23 sprint to 2016-12-14 sprint

#4 - 11/23/2016 07:53 PM - Peter Amstutz

- Story points set to 2.0

#5 - 11/23/2016 07:54 PM - Peter Amstutz

- Story points changed from 2.0 to 1.0

#6 - 12/07/2016 06:41 PM - Radhika Chippada

Still reviewing, but an initial observation: 7 tests failing (after a reinstall)

```
=====
FAIL: test_submit_arvworkflow (tests.test_submit.TestSubmit)
=====
```

```
Traceback (most recent call last):
```

```
File "/tmp/tmp.328JRcQcJn/VEENVDIR/local/lib/python2.7/site-packages/mock/mock.py", line 1305, in patched
    return func(*args, **kwargs)
File "/home/radhika/arvados/sdk/cwl/tests/test_submit.py", line 213, in wrapped
    return func(self, stubs, *args, **kwargs)
File "/home/radhika/arvados/sdk/cwl/tests/test_submit.py", line 636, in test_submit_arvworkflow
    body=expect_container)
```



```

d_with
  six.raise_from(AssertionError(_error_message(cause)), cause)
File "/tmp/tmp.328JRcQcJn/VENVDIR/local/lib/python2.7/site-packages/six.py", line 718, in raise_from
  raise value
AssertionError: Expected call: create(body={'priority': 1, 'container_image': 'arvados/jobs:ed9be4cc10c12051bd
bla65210726abld688108c', 'state': 'Committed', 'owner_uuid': None, 'output_path': '/var/spool/cwl', 'name': 'e
xpect_arvworkflow.cwl#main', 'mounts': {'/var/lib/cwl/workflow': {'portable_data_hash': '999999999999999999
9999999999994+99', 'kind': 'collection'}, 'stdout': {'path': '/var/spool/cwl/cwl.output.json', 'kind': 'file'},
'/var/lib/cwl/job/cwl.input.json': {'portable_data_hash': 'e5454f8ca7d5b181e21ecd45841e3373+58/cwl.input.json'
, 'kind': 'collection'}, '/var/spool/cwl': {'writable': True, 'kind': 'collection'}}, 'command': ['arvados-cwl
-runner', '--local', '--api=containers', '--enable-reuse', '/var/lib/cwl/workflow/expect_arvworkflow.cwl#main'
, '/var/lib/cwl/job/cwl.input.json'], 'cwd': '/var/spool/cwl', 'runtime_constraints': {'vcpus': 1, 'API': True
, 'ram': 1073741824}))
Actual call: create(body={'priority': 1, 'mounts': {'/var/spool/cwl': {'writable': True, 'kind': 'collection'}
, 'stdout': {'path': '/var/spool/cwl/cwl.output.json', 'kind': 'file'}, '/var/lib/cwl/workflow': {'portable_da
ta_hash': '99999999999999999999999999999994+99', 'kind': 'collection'}, '/var/lib/cwl/cwl.input.json': {'conte
nt': {'u'x': u'XxX', 'job_order': None}, 'kind': 'json'}}, 'state': 'Committed', 'owner_uuid': None, 'output_pa
th': '/var/spool/cwl', 'name': 'expect_arvworkflow.cwl#main', 'container_image': 'arvados/jobs:ed9be4cc10c1205
1bdb1a65210726abld688108c', 'command': ['arvados-cwl-runner', '--local', '--api=containers', '--enable-reuse',
'/var/lib/cwl/workflow/expect_arvworkflow.cwl#main', '/var/lib/cwl/cwl.input.json'], 'cwd': '/var/spool/cwl',
'runtime_constraints': {'API': True, 'vcpus': 1, 'ram': 1073741824}})

```

Ran 38 tests in 6.730s

FAILED (failures=7)

***** !!!!! sdk/cwl tests FAILED !!!!! *****

#7 - 12/07/2016 10:43 PM - Radhika Chippada

Review comments:

- sdk/cwl tests are passing now
- (If possible) Seems like a name such as `data_fetcher` might be better for `kwargs["fetcher_constructor"]` ...
- I can now run a workflow at command prompt using **arvados-cwl-runner** [9tee4-7fd4e-xox74u3j2yrmlk6](#) by providing the workflow uuid to a-c-r. I am wondering if it would be more user-friendly if it took the uuid as a `--workflow` arg

```
arvados-cwl-runner --workflow 9tee4-7fd4e-xox74u3j2yrmlk6
```

- I ran a workflow using `arvados-cwl-runner` [9tee4-7fd4e-xox74u3j2yrmlk6](#) and it created a CR [9tee4-xvhdp-ztpi98zftwww4p7](#) and succeeded. However, the CR does not retain its relationship with the workflow. The CR needs the following:

```

"properties": {
  "template_uuid": "9tee4-7fd4e-xox74u3j2yrmlk6"
},

```

- I ran a workflow using `arvados-cwl-runner` [9tee4-7fd4e-xox74u3j2yrmlk6](#) and it created a CR [9tee4-xvhdp-ztpi98zftwww4p7](#) with name "main". It should use the workflow name.
- Needs user guide documentation update at "Writing a CWL workflow" with the command to run using a workflow uuid

#8 - 12/13/2016 05:53 PM - Radhika Chippada

@ [50a3cf5df](#)

- `arvcontainer.py`
 - Could there be errors during: `self.arvranner.api.workflows().get(uuid=wfuuid).execute()` ?
 - Could there be errors during: `yaml.safe_load(wfrecord["definition"])` ?
- doc: Submitting a workflow to an Arvados cluster
 - It would be nice to say somewhere that `--name` can be used to set a name for the resulting CR and the default name if not provided?
- doc: Registering a workflow to use in Workbench
 - This is not longer a true statement, correct? The registered workflow can be used to run it at command prompt as well
 - Can we add `--name` to one of the examples or mention it?
- doc: Running registered workflows at the command line
 - It appears that "Control a workflow locally" belongs in this page with the "Submit a workflow and wait for results" etc than in the "Writing a

- CWL workflow"? At least, it should be added in this page also to be complete.
- Can we also have one example with no input and mention --name somewhere?

```
~/arvados/doc/user/cwl/bwa-mem$ arvados-cwl-runner 962eh-7fd4e-660fw86nz0w77mk
```

- doc: Arvados CWL extensions
 - It would be nice to add a bit more explanation on the top explaining what they are used for
 - string or array of string => string or array of stringS
 - It is out of scope for this context but arv:RuntimeConstraints => outputDirType with camel case and keep_cache with underscores seems weird; would be nice to stick with one or the other
- doc: Is user/topics/running-workflow-command-line.html.textile.liquid needed? (It is zero bytes length)

#9 - 12/13/2016 09:25 PM - Radhika Chippada

Mostly looks good @ [3da0fb0eef](#)

The options in the table in user/cwl/cwl-run-options.html.textile.liquid are getting formatted. The following will resolve the issue:

```
-| --basedir BASEDIR|      Base directory used to resolve relative references in the input, default to directory of input object file or current directory (if inputs piped/provided on command line).|
-| --version|            Print version and exit|
-| --verbose|           Default logging|
+| ===--basedir== BASEDIR|      Base directory used to resolve relative references in the input, default to directory of input object file or current directory (if inputs piped/provided on command line).|
+| ===--version==|        Print version and exit|
+| ===--verbose==|       Default logging|
... .
```

#10 - 12/13/2016 09:49 PM - Peter Amstutz

Now at [c668e7499c3b2a1561389a06910e33112e7d171d](#)

#11 - 12/14/2016 02:41 PM - Radhika Chippada

LGTM

#12 - 12/14/2016 03:05 PM - Peter Amstutz

- Status changed from In Progress to Resolved

Applied in changeset arvados|commit:efb3422f119be36e133ffbd14519c5d6c74addc8.