

Arvados - Feature #15028

[CWL] Support CWL draft v1.1

03/27/2019 03:31 PM - Peter Amstutz

Status:	Resolved	
Priority:	Normal	
Assigned To:	Peter Amstutz	
Category:		
Target version:		
Description		
<ul style="list-style-type: none">• Update cwltool dependency• Support v1.1 process requirements on Arvados• Warn about Arvados extensions that are superseded by v1.1 process requirements• Pass v1.1 conformance test suite		
Subtasks:		
Task # 15029: Review 15028-cwl-v1.1		Resolved
Task # 15307: Update documentation		Resolved
Task # 15310: Fix failing tests (oops)		Resolved
Task # 15324: Review 15028-cwl11-doc-update		Resolved

Associated revisions

Revision 7881bce4 - 05/08/2019 07:45 PM - Peter Amstutz

arvbox crunch-run and certificate fixes

arvbox crunch-run change to -container-enable-networking=default

Previously was "always" which causes CWL tests that checked that networking was disabled to fail.

arvbox root-cert creates file with .crt instead of .pem, because that's the file extension update-ca-certificates looks for.

Add cluster id and timestamp to arvbox test certificate common name to prevents collisions on the certificate subject.

Arvbox sets trusted api_client for workbench2.

refs #15028 refs #15061

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

Revision 7881bce47e7bce5375778b185f598ba53b6a64c6 - 05/08/2019 07:45 PM - Peter Amstutz

arvbox crunch-run and certificate fixes

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Arvbox sets trusted api_client for workbench2.

refs #15028 refs #15061

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

Revision 3a560114 - 05/28/2019 06:38 PM - Peter Amstutz

Fix reporting logs on container requests refs #15028

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

Revision 3a5601145a6c88b4fd7fe73df369d6cb95dcba5d - 05/28/2019 06:38 PM - Peter Amstutz

Fix reporting logs on container requests refs #15028

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

Revision 6c78b28f - 06/04/2019 05:20 PM - Peter Amstutz

Merge branch '15028-cwl-v1.1' refs #15028

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

Revision 6c78b28f9f54664babc57a4b4372c502065ed5d1 - 06/04/2019 05:20 PM - Peter Amstutz

Merge branch '15028-cwl-v1.1' refs #15028

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

Revision c7d692a3 - 06/10/2019 06:10 PM - Peter Amstutz

Merge branch '15028-fix-tests' refs #15028

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

Revision c7d692a3f09d8116cc52591f8852c4e0d6e4ab3c - 06/10/2019 06:10 PM - Peter Amstutz

Merge branch '15028-fix-tests' refs #15028

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

Revision de3633d7 - 07/17/2019 05:32 PM - Peter Amstutz

Merge branch '15028-cwl11-doc-update' refs #15028

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

Revision de3633d7652a8b9fb372345e437dcaa226b8b896 - 07/17/2019 05:32 PM - Peter Amstutz

Merge branch '15028-cwl11-doc-update' refs #15028

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

History

#1 - 03/27/2019 03:33 PM - Peter Amstutz

- Subject changed from [CWL] Support CWL draft v1.1 to [CWL] Support CWL draft v1.1
- Assigned To set to Peter Amstutz
- Story points set to 2.0

#2 - 03/27/2019 03:45 PM - Peter Amstutz

- Description updated

#3 - 04/10/2019 03:04 PM - Peter Amstutz

- Target version changed from 2019-04-10 Sprint to 2019-04-24 Sprint

#4 - 04/24/2019 05:02 PM - Peter Amstutz

- Status changed from New to In Progress
- Target version changed from 2019-04-24 Sprint to 2019-05-08 Sprint

#5 - 05/08/2019 05:20 PM - Tom Morris

- Target version changed from 2019-05-08 Sprint to 2019-05-22 Sprint

#6 - 05/08/2019 05:20 PM - Tom Morris

- Target version changed from 2019-05-22 Sprint to Arvados Future Sprints

#7 - 05/22/2019 05:35 PM - Tom Morris

- Target version changed from Arvados Future Sprints to 2019-06-05 Sprint

#8 - 05/29/2019 08:54 PM - Peter Amstutz

15028-cwl-v1.1 @ [725ff809bfe3214ca9117b768711c8136ed4cc3](https://ci.curoverse.com/view/Developer/job/developer-run-tests/1264/)

<https://ci.curoverse.com/view/Developer/job/developer-run-tests/1264/>

#9 - 05/31/2019 03:33 PM - Peter Amstutz

15028-cwl-v1.1 @ [9e27319d4ec960e6fac43322b885e8aa355651f9](https://ci.curoverse.com/view/Developer/job/developer-run-tests/1270/)

<https://ci.curoverse.com/view/Developer/job/developer-run-tests/1270/>

<https://ci.curoverse.com/view/CWL/job/arvados-cwl-conformance-tests/147/>

#10 - 06/03/2019 01:40 PM - Eric Biagiotti

No comments on the code, but running:

```
./test_with_arvbox.sh --no-reset-container --config dev --leave-running --suite conformance-v1.1
```

All the tests return the following:

```
The CWL reference runner no longer supports pre CWL v1.0 documents. Supported versions are:  
v1.0  
v1.1.0-dev1 (with --enable-dev flag only)
```

Also, would be nice to be able to pass the -j flag through test_with_arvbox.sh. Should work with both integration and conformance tests.

#11 - 06/03/2019 03:31 PM - Peter Amstutz

Eric Biagiotti wrote:

No comments on the code, but running:

[...]

All the tests return the following:

```
The CWL reference runner no longer supports pre CWL v1.0 documents. Supported versions are:
```

You need to run test_with_arvbox.sh with "--build" so that it builds a jobs image with the local checkout instead of fetching arvados/jobs:latest.

Also, would be nice to be able to pass the -j flag through test_with_arvbox.sh. Should work with both integration and conformance tests.

That ought to work. Did you try it?

#12 - 06/03/2019 07:10 PM - Eric Biagiotti

Gave up on running the tests with test_with_arvbox. Maybe we need some better documentation for running that script.

./run_test.sh -j8 RUNNER=arvados-cwl-runner EXTRA="--api=containers --compute-checksum --disable-reuse --local" resulted in the following:

```
Test 253 failed: /home/eric/projects/cwl_env/venv/bin/arvados-cwl-runner --api=containers --compute-checksum --  
-disable-reuse --local --outdir=/tmp/tmpZhRx2l --quiet tests/optional-numerical-output-0.cwl tests/empty.json  
Test that optional number output is returned as 0, not null
```

```
Compare failure expected: {  
  "out": 0  
}  
got: {  
  "out": null  
}  
caused by: failed comparison for key 'out': expected: 0  
got: null  
250 tests passed, 1 failures, 2 unsupported features
```

#13 - 06/05/2019 01:17 PM - Peter Amstutz

- Target version changed from 2019-06-05 Sprint to 2019-06-19 Sprint

#14 - 06/10/2019 02:13 PM - Ward Vandewege

- Release set to 22

#15 - 06/19/2019 03:07 PM - Peter Amstutz

- Target version changed from 2019-06-19 Sprint to 2019-07-03 Sprint

- Story points changed from 2.0 to 0.5

#16 - 07/03/2019 01:34 PM - Peter Amstutz

- Target version changed from 2019-07-03 Sprint to 2019-07-17 Sprint

#17 - 07/16/2019 07:58 PM - Peter Amstutz

Documentation branch: 15028-cwl11-doc-update @ [b23721a01f61c6d9862ea6cb4d15bd620e06eeef](#)

#18 - 07/16/2019 09:08 PM - Eric Biagiotti

Peter Amstutz wrote:

Documentation branch: 15028-cwl11-doc-update @ [b23721a01f61c6d9862ea6cb4d15bd620e06eeef](#)

- Remove "this" in:

```
The one exception to the @hints@ section this is @arv:APIRequirement@
```

- Would be nice to link back to the API Requirement extension from the reference to it in the [cwl_workflow tutorial](#)
- The Portability section in cwl-style.html:
 - The first sentence seems like it should go above the portability section
 - The subsequent sentences kind of come out of no where. Maybe a lead in sentence about why portability is important would help, or "Consider the following recommendations to improve portability of your workflows...".
 - The tip to Avoid declaring InlineJavascriptRequirement is a performance problem and should probably be in the performance section.
- I think a separate page for Upgrading CWL might be helpful going forward. At the very least it shouldn't be a subsection under Portability.

#19 - 07/17/2019 02:12 PM - Peter Amstutz

- Target version changed from 2019-07-17 Sprint to 2019-07-31 Sprint

#20 - 07/17/2019 04:04 PM - Peter Amstutz

- Target version deleted (2019-07-31 Sprint)

Eric Biagiotti wrote:

Peter Amstutz wrote:

Documentation branch: 15028-cwl11-doc-update @ [b23721a01f61c6d9862ea6cb4d15bd620e06eeef](#)

- Remove "this" in: [...]

Fixed. Actually I rewrote this whole thing to add more detail.

- Would be nice to link back to the API Requirement extension from the reference to it in the [cwl_workflow tutorial](#)

Added link.

- The Portability section in cwl-style.html:
 - The first sentence seems like it should go above the portability section
 - The subsequent sentences kind of come out of no where. Maybe a lead in sentence about why portability is important would help, or "Consider the following recommendations to improve portability of your workflows...".
 - The tip to Avoid declaring InlineJavascriptRequirement is a performance problem and should probably be in the performance section.

I rearranged this a bit and added lead-in sentences to set up each section.

- I think a separate page for Upgrading CWL might be helpful going forward. At the very least it shouldn't be a subsection under Portability.

I made a separate "Version and API support" page.

15028-cwl11-doc-update @ [ad76d059c306a73af45b6b7525aabb5f54c73f8b](#)

#21 - 07/17/2019 05:25 PM - Eric Biagiotti

This LGTM. Thanks!

#22 - 07/29/2019 08:04 PM - Peter Amstutz

- *Status changed from In Progress to Resolved*