

Arvados - Feature #10498

[CWL] Single --register subcommand selects workflow or pipeline

11/09/2016 09:17 PM - Peter Amstutz

Status: Resolved	Start date: 11/17/2016
Priority: Normal	Due date:
Assigned To: Tom Clegg	% Done: 100%
Category:	Estimated time: 0.00 hour
Target version: 2016-11-23 sprint	
Description Currently there are separate --create-template, --create-workflow and --update-workflow subcommands. The user needs to know which API is in use (jobs or containers) to use the correct one. Merge them into a --register-workflow and --update-workflow and select the API to use (pipeline template or workflow) based on existing logic that detects API from the discovery document. Update user guide.	
Subtasks: Task # 10504: Review 10498-register-with-chosen-api Resolved	
Related issues: Has duplicate Arvados - Bug #10520: [CrunchV2] arvados-cwl-runner unhandled e... Resolved	

Associated revisions

Revision 322d7845 - 11/17/2016 10:18 PM - Tom Clegg

Merge branch '10498-register-with-chosen-api' closes #10498

Revision 7588bb6a - 11/22/2016 04:40 PM - Peter Amstutz

Merge branch '10498-arvdocker-project-uuid' refs #10498

History

#1 - 11/09/2016 09:18 PM - Peter Amstutz

- Story points set to 0.5

#2 - 11/09/2016 09:22 PM - Peter Amstutz

- Description updated

#3 - 11/09/2016 09:23 PM - Tom Clegg

- Assigned To set to Tom Clegg

#4 - 11/16/2016 09:16 PM - Tom Clegg

10498-register-with-chosen-api

test [a4e81f561cce966074a72ff6219826a89152451a](#)

from the commit message...

```
10498: --create-workflow and --create-template do the same thing, depending on --api choice.
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Also:
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* --update-workflow works for pipeline templates, too.
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* --update-workflow establishes --api=jobs or --api=containers depending on the UUID. (If this conflicts with an explicit --api argument, that is an error.)
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* If no --project-uuid is given, the user's UUID is not passed explicitly with create/update requests. The API will default to the user's UUID or (when updating an existing object) leaving the
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existing object's owner unchanged.

#5 - 11/16/2016 09:27 PM - Tom Clegg

- Status changed from New to In Progress

#6 - 11/17/2016 04:17 PM - Radhika Chippada

cwl-runner.html

- "Registering a workflow to use in Workbench" => I think this should be "Registering a workflow to use in Arvados" because as the first line in description says it can be used by other areas of Arvados, not just workbench?

init.py

- I think we should call "update_uuid" as "workflow_uuid"? I think calling it that would make it clear and no need to wonder what type of uuid it is. Similar to "project_uuid", "task_uuid" etc. Now that we are overloading "workflow" to also mean "template", it seems appropriate to call it that now.
- "Create an Arvados workflow or pipeline template (depending on selected API, see --api)" => Can we spell it out instead? Something like "Create an Arvados workflow when using containers api or pipeline template when using jobs api (see --api for more information)" ?

tests

- Please consider adding a test_incompatible_api with "containers api and template uuid for update_workflow" as well

#7 - 11/17/2016 10:05 PM - Tom Clegg

Radhika Chippada wrote:

cwl-runner.html

- "Registering a workflow to use in Workbench" => I think this should be "Registering a workflow to use in Arvados" because as the first line in description says it can be used by other areas of Arvados, not just workbench?

I thought of that too because technically that's true, but OTOH saying "in Arvados" seems confusing here -- aren't we already doing everything in Arvados at this point? E.g., an earlier section is "Submitting a workflow to an Arvados cluster" (aside: should that be "executing" instead? "Submitting" sounds a bit like what "registering" actually does...)

- I think we should call "update_uuid" as "workflow_uuid"? I think calling it that would make it clear and no need to wonder what type of uuid it is. Similar to "project_uuid", "task_uuid" etc. Now that we are overloading "workflow" to also mean "template", it seems appropriate to call it that now.

At that point it is either a workflow UUID or a pipeline_template UUID... but I've renamed it to "existing_uuid" which (at least to me) seems more evocative.

- "Create an Arvados workflow or pipeline template (depending on selected API, see --api)" => Can we spell it out instead? Something like "Create an Arvados workflow when using containers api or pipeline template when using jobs api (see --api for more information)" ?

Updated:

Create an Arvados workflow (if using the 'containers' API) or pipeline template (if using the 'jobs' API). See --api.

- Please consider adding a test_incompatible_api with "containers api and template uuid for update_workflow" as well

Considered... but seems like a dubious use of testing volume/complexity. The "a != b" code being tested is pretty simple, and even if the sanity check doesn't work, the result is just a different error later on when the update() call fails 404...

I did update this test to capture the logs and ensure this error is actually reported, rather than just exiting 1 for some other reason.

test [6f2ac70b70d4b64b728b815d5be429d5a165e2f0](#)

#8 - 11/17/2016 10:14 PM - Radhika Chippada

Tom said:

"Registering a workflow to use in Arvados" => I thought of that too because technically that's true, but OTOH saying "in Arvados" seems confusing here

My concern is that it is not only usable by Workbench, by other areas of Arvados as well. Can we use ""Registering a workflow" instead?

Agree with the other comments.

LGTM (with or without that doc title update). Thanks.

#9 - 11/17/2016 10:25 PM - Tom Clegg

- *Status changed from In Progress to Resolved*

Applied in changeset arvados|commit:322d784513c37abc8fa1d1c05dd5f41019868735.