

Arvados - Bug #16118

Offers editing actions on read-only collections

02/04/2020 03:10 PM - Peter Amstutz

Status:	Resolved	Start date:	02/28/2020
Priority:	Normal	Due date:	
Assigned To:	Lucas Di Pentima	% Done:	100%
Category:	Workbench2	Estimated time:	0.00 hour
Target version:	2020-06-03 Sprint		
Description			
Workbench2 does not check if a user can edit a collection when rendering the collection view (workbench2/src/views/collection-panel). As a result, if the user only has read-only access to the collection, they will experience API errors if they try to edit it. The collection view should check whether the collection is writable and have both editable and read-only views. You can check if the collection can be edited by examining the writable_by field in collection record, this is a list of uuids, if the collection is writable, the current user uuid will appear in that list, if not, the collection is read-only.			
Subtasks:			
Task # 16183: Review 16118-readonly-collections-lucas			Resolved
Related issues:			
Related to Arvados - Feature #16437: Indicate when projects are not editable ...		Resolved	06/03/2020
Related to Arvados - Bug #16472: Shows error snackbar even when the code will...		Resolved	06/23/2020
Blocks Arvados - Story #13494: Browse previous versions of a collection		Resolved	02/19/2020

Associated revisions

Revision ee499fb6 - 05/12/2020 01:27 PM - Lucas Di Pentima

Merge branch '16118-arvboot-fixes'
Refs #16118

Arvados-DCO-1.1-Signed-off-by: Lucas Di Pentima <lucas@di-pentima.com.ar>

Revision 78fc0875 - 05/28/2020 12:11 AM - Lucas Di Pentima

Merge branch '16118-readonly-collections-lucas'
Closes #16118

Arvados-DCO-1.1-Signed-off-by: Lucas Di Pentima <lucas@di-pentima.com.ar>

History

#1 - 02/12/2020 04:43 PM - Peter Amstutz

- Target version changed from 2020-02-26 Sprint to 2020-03-11 Sprint

#2 - 02/24/2020 02:26 PM - Peter Amstutz

- Target version changed from 2020-03-11 Sprint to 2020-02-26 Sprint

- Assigned To set to Piotr Mrzygłowski

- Description updated

#3 - 02/26/2020 03:17 PM - Peter Amstutz

- Target version changed from 2020-02-26 Sprint to 2020-03-11 Sprint

#4 - 02/28/2020 07:31 PM - Lucas Di Pentima

- Status changed from New to In Progress

#5 - 02/28/2020 09:12 PM - Lucas Di Pentima

Reviewing commit 08439235be955812555b80a31f1e6461c7d90513 - branch 16118-readonly-collections

- Sorry, the ticket has a mistake, the collection objects don't have a writable_by field, but users and project/group do. You can double check all of this on our API documentation: <https://doc.arvados.org/v2.0/api/index.html>
- The workbench1's code to check an object's edit-ability is here:

https://github.com/arvados/arvados/blob/master/apps/workbench/app/models/arvados_base.rb#L493-L501 -- let me know if it isn't clear enough but basically a collection's owner_uid can point to a user or a project/group, so if a collection is inside a project, which in turn has a writable_by list including the current user's uuid, the collection is editable.

- AFAICT, the update was about changing the context menu, but notice that the collection view also has a properties editor that shouldn't be active, and the files inside the collection also shouldn't be deletable or rename-able, as the collection's content is the manifest_text field of it. Also, take into consideration that trashing/untrashing is an operation that requires an editable collection.

#6 - 03/04/2020 04:41 PM - Lucas Di Pentima

- *Blocks Story #13494: Browse previous versions of a collection added*

#7 - 03/11/2020 01:38 PM - Peter Amstutz

- *Target version changed from 2020-03-11 Sprint to 2020-03-25 Sprint*

#8 - 03/14/2020 04:09 PM - Peter Amstutz

- *Assigned To deleted (Piotr Mrzyglowski)*

#9 - 03/18/2020 07:45 PM - Peter Amstutz

- *Release set to 31*

- *Target version deleted (2020-03-25 Sprint)*

#10 - 04/08/2020 04:00 PM - Peter Amstutz

- *Target version set to 2020-04-22*

#11 - 04/08/2020 04:01 PM - Lucas Di Pentima

- *Assigned To set to Lucas Di Pentima*

#12 - 04/22/2020 01:32 PM - Lucas Di Pentima

- *Target version changed from 2020-04-22 to 2020-05-06 Sprint*

#13 - 05/01/2020 09:05 PM - Lucas Di Pentima

Updates at commit d8a3b5fd - branch 16118-readonly-collections-lucas

Test run: <https://ci.arvados.org/view/Developer/job/developer-tests-workbench2/26/>

Changes

- Shows a lock icon indicating the read-only access.
- The three-dotted 'More options' menu only shows appropriate actions.
- The properties panel only shows properties without the 'delete tag' button.
- The files panel general 'More options' menu shows appropriate actions.
- The files panel individual context menu also filters editing action when read-only.
- The files panel's upload button isn't rendered on read-only collections.

Pending

- Integration tests - I figured that they'll depend on the UI so I would rather prefer for the changes to be reviewed first to avoid test re-writing.

#14 - 05/06/2020 03:30 PM - Lucas Di Pentima

- *Target version changed from 2020-05-06 Sprint to 2020-05-20 Sprint*

#15 - 05/11/2020 06:32 PM - Lucas Di Pentima

Fixed a couple of thing at the backend side at [7e16d43dd](https://github.com/arvados/arvados/commit/7e16d43dd) - branch 16118-arvboot-fixes

Test run: <https://ci.arvados.org/job/developer-run-tests/1843/>

WB integration test retry: <https://ci.arvados.org/job/developer-run-tests-apps-workbench-integration/1947/>

- Websocket & Keep-web URL configurations fixes on arvados boot.
- Keep-web honors config when creating its arvados client pool, so now the TLS.Insecure flag set to true works when using it on arvados boot.

#16 - 05/12/2020 12:20 AM - Tom Clegg

@ [7e16d43dd](https://github.com/arvados/arvados/commit/7e16d43dd)

In [source:lib/boot/supervisor.go](https://github.com/arvados/arvados/blob/master/lib/boot/supervisor.go), do these two really need to be different -- does something break if we add Path:"/" to the rest of the services' ExternalURLs, too? As it happens I've got this same change (in lots of other places too) in [#16392](https://github.com/arvados/arvados/pull/16392).

Rest LGTM, thanks.

#17 - 05/12/2020 01:11 PM - Lucas Di Pentima

Tom Clegg wrote:

@ [7e16d43dd](#)

In [source:lib/boot/supervisor.go](#), do these two really need to be different -- does something break if we add Path:"/" to the rest of the services' ExternalURLs, too? As it happens I've got this same change (in lots of other places too) in [#16392](#).

I guess not, I was just following what I saw on already working clusters. Updated at [a20c1480b](#).

Test run: <https://ci.arvados.org/job/developer-run-tests/1845/>

#18 - 05/13/2020 01:37 PM - Tom Clegg

[a20c1480b](#) LGTM, thanks

#19 - 05/18/2020 02:12 PM - Lucas Di Pentima

Updates at [arvados-workbench2|4bed7c3d](#)

Test run: <https://ci.arvados.org/view/Developer/job/developer-tests-workbench2/30/>

- Changes the padlock with a 'Read-only' label besides the collection name.
- Integrates fixes related to changes on trailing slashes on URL handling and login methods.
- Adds test for both readonly and writable collection UI.

Note: At [arvados-workbench2|fc898afb](#) there's deactivated code at `src/index.tsx:L107` that was preventing to succeed the readonly test case because a snackbar is being displayed on every service request that get an error. This happens whether the error is caught or not up on the stack (see `src/services/ancestors-service/ancestors-service.ts:L29` and `src/services/common-service/common-service.ts:L83`) and I think it isn't a good approach. What do you think? It's useful for the developer to have a visual cue of errors but not for the end user, can we just print a console message and no snackbar?

#20 - 05/18/2020 03:53 PM - Lucas Di Pentima

Although the integration tests failed on Jenkins, they don't on my side: even running them in docker. Confusing!

#21 - 05/19/2020 06:43 PM - Peter Amstutz

- Related to Feature [#16437](#): Indicate when projects are not editable by user added

#22 - 05/19/2020 08:18 PM - Peter Amstutz

Reviewing [arvados-workbench2|4bed7c3d982b8d9198186a37a1edbfd746b1e0e2](#)

I noticed that you can still access editing actions by right-clicking on the collection in the project view. However that is a bug for [#16437](#) (read only projects)

In the test 'shows collection by URL'

- When `isWritable` is true, it changes the ownership of the collection. Is there a reason to do that instead of have the admin always own it and choose between 'can_read' and 'can_write'?
- I see when it is writable it submits to `collection-properties-form`, however when it is not writable there is no corresponding test that the form should be missing.

I don't really like the exclamation point in a circle next to "Read only" -- that icon is often used to mean "something is wrong that needs your attention" and in this case nothing is wrong. I am not sure what would be a better icon to use but I did a little research and found <https://github.com/FortAwesome/Font-Awesome/issues/4906> which links to <https://github.com/nyon/fontawesome-actions> so there's a couple options, combining two icons, or adopting an additional icon set.

Dispatching snackbar from `errorFn` -- I had enabled it because otherwise many operations in `wb2` will fail silently with no indication something went wrong. On the other hand, I think you mentioned that because there is no context it can also report errors for things that are not really errors (where `wb2` is probing for something and expects it may fail.) Having this happen at the "services" layer was a quick fix until we could do a more systematic audit of error handling ([#15581](#)). I'm not really sure what to do for this branch, especially if you are getting spurious errors (that are not really errors) that interfere with testing.

Looking at <https://ci.arvados.org/view/Developer/job/developer-tests-workbench2/31/console>

The stack trace doesn't seem to indicate the line of the test that is failing? Or is it there and I am just missing it?

From the error message it looks like it is probably failing on

```
cy.get('[data-cy=collection-info-panel]')
```

which happens right after trying to visit the page, so I guess it is failing to load the page or it is taking too long.

Need to look into this some more, not passing on jenkins is obviously a blocker.

#23 - 05/20/2020 03:33 PM - Lucas Di Pentima

- Target version changed from 2020-05-20 Sprint to 2020-06-03 Sprint

#24 - 05/26/2020 02:30 PM - Lucas Di Pentima

Updates at [arvados-workbench2|eac8deef](#)

Test runs: <https://ci.arvados.org/view/Developer/job/developer-tests-workbench2/36/>

Updates:

- Enhances tests: creates collections owned by a shared project to check for readonly UI changes. Also checks for properties form not being displayed on read-only collections.
- Improves "read-only" icon by composing 2 different from font-awesome: a pencil & a slash.
- Restores error snackbar display on service layer errors.
- Changes the testing viewport to 1920x1080 so that snackbar spurious errors don't get in the way of buttons being tested.

I have been trying to make the optional parameter work but for some reason I not being able yet, committed WIP on another branch 16118-service-layer-snackbar-fix, as I don't want this to block the brach.

#25 - 05/27/2020 08:55 PM - Peter Amstutz

Lucas Di Pentima wrote:

Updates at [arvados-workbench2|eac8deef](#)

Test runs: <https://ci.arvados.org/view/Developer/job/developer-tests-workbench2/36/>

- Improves "read-only" icon by composing 2 different from font-awesome: a pencil & a slash.

This looks much better.

I have one suggestion: instead of a Chip component with both the icon and words "Read-only" could we just have just the icon with "Read-only" as a tooltip?

Rest LGTM.

#26 - 05/27/2020 08:57 PM - Peter Amstutz

Lucas Di Pentima wrote:

I have been trying to make the optional parameter work but for some reason I not being able yet, committed WIP on another branch 16118-service-layer-snackbar-fix, as I don't want this to block the brach.

I did notice some spurious error snackbars on initial login/load and then when clicking on "shared with me" so it would be good to suppress those while still being able to have visibility on unexpected errors.

#27 - 05/28/2020 12:10 AM - Lucas Di Pentima

Updates at commit:d4efd52e

Test run: <https://ci.arvados.org/view/Developer/job/developer-tests-workbench2/37/>

- Replaces the Chip with icon with just the icon + tooltip, as requested.
- Updates test to look for the icon instead of the "Read-only" string.

#28 - 05/28/2020 12:22 AM - Lucas Di Pentima

- Related to Bug #16472: Shows error snackbar even when the code will handle the error. added

#29 - 05/28/2020 01:40 AM - Anonymous

- % Done changed from 0 to 100

- Status changed from In Progress to Resolved

Applied in changeset [arvados-workbench2|78fc087578d042bfede52c1f0569d3afb758e3d5](#).