

Arvados - Bug #17337

Files not visible in Arvados Workbench 2

02/04/2021 04:40 PM - Daniel Kutyla

Status:	Resolved	Start date:	02/24/2021
Priority:	Normal	Due date:	
Assigned To:	Daniel Kutyla	% Done:	100%
Category:	Workbench2	Estimated time:	0.00 hour
Target version:	2021-04-14 sprint		
Description			
Yesterday I uploaded some FASTA and BAM files to a collection in Arvados and the files are not visible in the interface. On top it is written that the collection contains 10 files, but in the file list only 2 files are shown. When I switch to Arvados Workbench 1 then all the files are visible in the file list normally.			
Side note: "can it be due to the # in the file name?"			
Subtasks:			
Task # 17403: Review 17337-files-not-visible-in-arvados			In Progress
Related issues:			
Related to Arvados - Bug #17422: Determine if keep-web correctly handles '#' ...		Resolved	03/31/2021

Associated revisions

Revision 5385afca - 04/01/2021 08:49 PM - Daniel Kutyla

Merge branch '17337-files-not-visible-in-arvados'
closes #17337

Arvados-DCO-1.1-Signed-off-by: Daniel Kutyla <daniel.kutyla@contractors.roche.com>

History

#1 - 02/15/2021 03:22 PM - Peter Amstutz

- Target version set to 2021-02-17 sprint

#2 - 02/15/2021 03:59 PM - Peter Amstutz

- Assigned To set to Daniel Kutyla

#3 - 02/15/2021 03:59 PM - Peter Amstutz

- Target version changed from 2021-02-17 sprint to 2021-03-03 sprint

#4 - 02/18/2021 05:05 PM - Lucas Di Pentima

I've just tried to reproduce the issue and I was able to see two problems:

- A file including a # char doesn't show on wb2 (it does on wb1).
- Renaming a preexisting file to include a # char will truncate its name up to that char.

#5 - 02/23/2021 09:41 PM - Daniel Kutyla

New version first commit: <https://dev.arvados.org/projects/arvados-workbench-2/repository/revisions/bf112da6d20b47e94de5d486d943edc66b3e727f>
Test run: [developer-tests-workbench2: #300 icon?job=developer-tests-workbench2&build=300](#)

Added uri encoding

branch: 17337-files-not-visible-in-arvados

#6 - 02/24/2021 03:04 PM - Lucas Di Pentima

Some comments:

- On file `src/services/collection-service/collection-service-files-response.test.ts` a test was added for `getFileFullPath()` which wasn't changed in this branch. Can you also add a test for `extractFilesData()`?
- Now files with whitespaces on their names aren't displayed on the collection's files panel. Please write a test for this.
 - Please check your IDE settings, as it's modifying the indentation on the majority of the cypress tests files, and it's making me nearly

impossible to understand if you added something or if it's just all the file that got re-indented. (please explain here as a comment what did you change on cypress/integration/collection.spec.js)

- Manually trying to upload a file with a whitespace or renaming a file by adding a whitespace makes the file disappear from the listing, I'm not sure why the 'renames a file using valid names' cypress tests aren't failing.
 - As you can see on [developer-tests-workbench2: #300](#) [icon?job=developer-tests-workbench2&build=300](#)/console the collection.spec.js file only ran 1 test case, don't know what happened with the rest.

#7 - 02/25/2021 08:57 PM - Daniel Kutyla

New version first commit:

<https://dev.arvados.org/projects/arvados-workbench-2/repository/revisions/eadb2e4a0005b89cb2ca1977bb6f53652e911249>

Test run: [developer-tests-workbench2: #301](#) [icon?job=developer-tests-workbench2&build=301](#)

// small test fix below

New version first commit: <https://dev.arvados.org/projects/arvados-workbench-2/repository/revisions/6a6a0ad3791c3d93f9881db8dc5bb30827af0898>

Test run: [developer-tests-workbench2: #302](#) [icon?job=developer-tests-workbench2&build=302](#)

Fixed whitespace issue added tests

branch: 17337-files-not-visible-in-arvados

#8 - 03/03/2021 06:03 PM - Peter Amstutz

- Target version changed from 2021-03-03 sprint to 2021-03-17 sprint

#9 - 03/03/2021 06:31 PM - Peter Amstutz

- Related to Bug #17422: Determine if keep-web correctly handles '#' in path added

#10 - 03/03/2021 09:19 PM - Lucas Di Pentima

- On file cypress/integration/collection.spec.js it was added {force: true} on some rightclick() call (line 141), can you explain why this is needed on some and not others? (for example, line 374) - As per Cypress' documentation, force: true disables element actionability checks, is this always desirable, or in certain situations? Asking mostly to learn about Cypress testing strategies for future tests.
- The "should display all files within the collection even with the # sign within the file name" test case seems to be superfluous, as you can add name transitions on the "renames a file using valid names" test case (file cypress/integration/collection.spec.js line 190) avoiding adding a new test case with its set-up time cost.
- There're still some cases where this isn't working:
 - The 2nd case described at #note-4 is still happening.
 - Also when a file has # chars and whitespaces, it disappears from the listings.
 - When trying to rename a file with trailing # sign it gets a 412 error. Checking the network inspector it seems that the Destination request header is wrong.
 - I've also found similar cases with the ? sign.
 - I've added the test cases on cypress so you can make them pass. (you can use wb1 to do the manual testing -- you'll need to click on the lock button before renaming files on wb1)
- Could you write some unit tests for escapeHashIfRequired()?

#11 - 03/03/2021 09:48 PM - Lucas Di Pentima

I'm reading <http://xkr.us/articles/javascript/encode-compare/> and it says encodeURIComponent() will encode / and we already allow slashes on 'Rename' to move files to a subdir, so take that into account.

#12 - 03/15/2021 09:36 PM - Lucas Di Pentima

After our call about this issue, I gave it a go on the encodeURIComponent() vs encodeURIComponent() differences:

```
diff --git a/src/services/collection-service/collection-service.ts b/src/services/collection-service/collection-service.ts
index c46c3e27..05f00805 100644
--- a/src/services/collection-service/collection-service.ts
+++ b/src/services/collection-service/collection-service.ts
@@ -76,9 +76,10 @@ export class CollectionService extends TrashableResourceService<CollectionResource> {
 }

 async moveFile(collectionUuid: string, oldPath: string, newPath: string) {
+   const encodedNewPath = newPath.split('/').map((c) => encodeURIComponent(c)).join('/');
   await this.webdavClient.move(
     `c=${collectionUuid}/${oldPath}`,
-    `c=${collectionUuid}/${encodeURIComponent(newPath)}`
+    `c=${collectionUuid}/${encodedNewPath}`
   );
   await this.update(collectionUuid, { preserveVersion: true });
 }
```

That seems to fix the renaming issue. The other problem is making wb2 being able to properly render a file with a # char on its name. I've found that a similar problems lies on the file `src/services/collection-service/collection-service-files-response.ts`, inside `extractFilesData()`, the `getTagValue()` function used to get the file's url won't decode the # chars and leave them as %23, so I think a solution similar to the above diff would be necessary.

#13 - 03/17/2021 03:54 PM - Peter Amstutz

- Target version changed from 2021-03-17 sprint to 2021-03-31 sprint

#14 - 03/22/2021 08:21 PM - Daniel Kutyla

New version first commit: <https://dev.arvados.org/projects/arvados-workbench-2/repository/revisions/8297f0f273e326e64145a48266805b0b3d073c32>
Test run: [developer-tests-workbench2: #340 icon?job=developer-tests-workbench2&build=340](#)

Added custom encoding functions with tests

branch: 17337-files-not-visible-in-arvados

#15 - 03/22/2021 08:57 PM - Lucas Di Pentima

- An `only()` call wasn't removed from the cypress collections test suite.
- The above issue masked a failing cypress test called 'renames a file to a different directory'

#16 - 03/23/2021 01:42 PM - Lucas Di Pentima

I've pushed [arvados-workbench2|ef1017fb](#) adding an additional failing file rename case: % chars.

#17 - 03/23/2021 02:12 PM - Tom Clegg

In `src/common/url.ts`, surely this

```
encodeURIComponent(path.replace(/%2F/g, '/'))
```

was meant to be

```
encodeURIComponent(path).replace(/%2F/g, '/')
```

...and this

```
decodeURIComponent(path.replace(/\/\//g, '%2F'));
```

could be written more simply as

```
decodeURIComponent(path);
```

#18 - 03/23/2021 10:15 PM - Daniel Kutyla

New version first commit: <https://dev.arvados.org/projects/arvados-workbench-2/repository/revisions/f5f72a4ee9b00aab5492f8991677b6503a6f2ac3>
Test run: [developer-tests-workbench2: #346 icon?job=developer-tests-workbench2&build=346](#)

Added % sign handling within the filename

branch: 17337-files-not-visible-in-arvados

#19 - 03/24/2021 01:27 PM - Lucas Di Pentima

Test re-run at: [developer-tests-workbench2: #347 icon?job=developer-tests-workbench2&build=347](#)

#20 - 03/24/2021 03:18 PM - Lucas Di Pentima

- At file `src/common/url.test.ts`
 - Lines 33 & 47: Test suites with equal names are confusing.
 - Lines 34 & 48: I think those tests need better naming.
- Sorry I didn't got this other case earlier, but: wb2 doesn't seem to list files with %2F on their names. I've added a test case for that on [arvados-workbench2|3ecdcece](#)
- At file `src/common/url.ts` lines 24 & 32: is there a reason to catch & ignore errors on these cases? If so, could we add test cases for them?

#21 - 03/24/2021 09:54 PM - Daniel Kutyla

New version first commit:

<https://dev.arvados.org/projects/arvados-workbench-2/repository/revisions/bde7ca868a0c201544476da6c049a98c1188dde9>

Test run: [developer-tests-workbench2: #351 icon?job=developer-tests-workbench2&build=351](#)

Added %2F handling, changed the way encode and decode is performed to avoid issues with the '/' characters

branch: 17337-files-not-visible-in-avados

#22 - 03/25/2021 08:17 AM - Daniel Kutyla

Test re-run at: [developer-tests-workbench2: #352](#) [icon?job=developer-tests-workbench2&build=352](#)

#23 - 03/25/2021 02:03 PM - Lucas Di Pentima

I've found some more file name displaying issues. It seems that string literals like %22 get decoded when displaying file names and also this incorrectly decoded file name is used as a source path when the user tries to change the file name to another one.

I've added some cases in Cypress at [arvados-workbench2|5436892f](#)

#24 - 03/26/2021 01:03 PM - Daniel Kutyla

New version first commit: <https://dev.arvados.org/projects/arvados-workbench-2/repository/revisions/5642c48285c296aa3b77760ed5d1431ccdb0f2f3>

Test run: [developer-tests-workbench2: #356](#) [icon?job=developer-tests-workbench2&build=356](#)

Added more tests to handle edge cases, fixed double decoding issue

branch: 17337-files-not-visible-in-avados

#25 - 03/26/2021 01:42 PM - Lucas Di Pentima

Please check why unit tests are failing at [developer-tests-workbench2: #356](#) [icon?job=developer-tests-workbench2&build=356](#)/console. Thanks!

#26 - 03/26/2021 02:19 PM - Daniel Kutyla

New version first commit: <https://dev.arvados.org/projects/arvados-workbench-2/repository/revisions/fa8284f51d4022cd36e9db5dd3534b45f1f6b76f>

Test run: [developer-tests-workbench2: #357](#) [icon?job=developer-tests-workbench2&build=357](#)

Fixed failing unit test

branch: 17337-files-not-visible-in-avados

#27 - 03/26/2021 07:12 PM - Lucas Di Pentima

I feel we're almost there! :)

- When I try to download a file with a name that includes a literal string %20 (for example), workbench2 doesn't encode it as %2520 so the resulting download URL points to an inexistent file, getting a 404.
- I've updated the `src/services/collection-service/collection-service-files-response.test.ts` file to coalesce the 2 tests into one with better XML indentation and more test cases, including the one I mentioned yesterday: the double-encoded file name. In those test cases is evident that the "expected url" is the decoded form of the URL, that then needs to be re-encoded to be able to use it, this may be the reason of the issue described on the previous bulletpoint.

#28 - 03/31/2021 03:23 PM - Peter Amstutz

- Status changed from New to In Progress

#29 - 03/31/2021 03:23 PM - Peter Amstutz

- Target version changed from 2021-03-31 sprint to 2021-04-14 sprint

#30 - 03/31/2021 06:58 PM - Daniel Kutyla

New version first commit: <https://dev.arvados.org/projects/arvados-workbench-2/repository/revisions/5a7d3c08744413b659fd24be59992fc1daa486e5>

Test run: [developer-tests-workbench2: #360](#) [icon?job=developer-tests-workbench2&build=360](#)

Added more unit tests and handling for non usual directory names

branch: 17337-files-not-visible-in-avados

#31 - 04/01/2021 02:47 PM - Lucas Di Pentima

Just 2 small comments before merging:

- File `src/services/collection-service/collection-service-files-response.ts` lines 33-36: I believe this is used to remove any trailing slashes on the url, correct? If that's the case, wouldn't you think that it could be simpler to add a `.replace(/\/$/, "")` call instead? We already make several replacements to the url, so it would be convenient for code consistency's sake.
- File `src/services/collection-service/collection-service-files-response.ts` lines 46 & 50: Is there a reason to use the deprecated `unescape()` function instead of `decodeURI()` or `decodeURIComponent()`? https://developer.mozilla.org/docs/Web/JavaScript/Reference/Global_Objects/unescape

With those fixed, it LGTM!

#32 - 04/01/2021 06:59 PM - Daniel Kutyla

- lines 33-36 removes last item from the url to get the parent dir and since directories ends with / first pop for them will return empty string that is why there is a second one

#33 - 04/02/2021 01:10 AM - Daniel Kutyla

- % Done changed from 0 to 100

- Status changed from In Progress to Resolved

Applied in changeset [arvados-workbench2|5385afcada8666051658c6889c83848702497759](#).

#34 - 05/13/2021 03:23 PM - Peter Amstutz

- Release set to 38