Arvados - Story #14343

Design for Group/Cluster favorites/library

10/15/2018 02:02 PM - Tom Morris

Status:	Resolved		**Start date:**	12/06/2018
Priority:	Normal		**Due date:**	
Assigned To:	Peter Amstutz		**% Done:**	100%
Category:	Documentation		**Estimated time:**	0.00 hour
Target version:	2018-12-12 Sprint			

Description

Write a wiki page documenting on how to implement public favorite projects listings using the existing APIs after first verifying that this will actually work.

The proposed implementation includes using 'star' class links with owner_uuid being the 'all users' group's UUID ({prefix}-j7d0g-fffffffffffffff). This will be managed by admin users (and only admins), but should be queryable by any user.

Provide examples using the arv tool or curl for creating/listing favorites which can be used as templates for the Javascript programmers implementing Workbench 2.

As a starting point, here are the calls that they are using for the existing per-user favorites which can be updated to show how they'd work for the system-wide favorites:

Create - POST to https://c97qk.arvadosapi.com/arvados/v1/links/ with body of

href: "/links/c97qk-o0j2j-qbcemd2n5ze7ac8", kind: "arvados#link", etag: "a1x2k55z2q6ssqacdkw9v2m64",…}
created_at: "2018-12-06T19:10:18.927990983Z"
etag: "a1x2k55z2q6ssqacdkw9v2m64"
head_kind: "arvados#group"
head_uuid: "c97qk-j7d0g-3tw2wchv9k86rnh"
href: "/links/c97qk-o0j2j-qbcemd2n5ze7ac8"
kind: "arvados#link"
link_class: "star"
modified_at: "2018-12-06T19:10:18.928343000Z"
modified_by_client_uuid: "c97qk-ozdt8-2bnm5ya20rzs78u"
modified_by_user_uuid: "c97qk-tpzed-4gq939sjwtbvwd7"
name: "Top"
owner_uuid: "c97qk-tpzed-4gq939sjwtbvwd7"
properties: {}
tail_kind: "arvados#user"
tail_uuid: "c97qk-tpzed-4gq939sjwtbvwd7"
uuid: "c97qk-o0j2j-qbcemd2n5ze7ac8"
}

Listing - GET of
%22head_uuid%22,%22is_a%22,[%22arvados%23group%22,%22arvados%23containerRequest%22,%22arvados%23collection%22,[%22tail_uuid%22,%22%3D%22,%22c97qk-tpzed-4gq939sjwtbvwd7%22],[%22link_class%22,%22%3D%22,%22star%22]]&order=name+asc">https://c97qk.arvadosapi.com/arvados/v1/links/?limit=10&offset=0&filters=
%22head_uuid%22,%22is_a%22,[%22arvados%23group%22,%22arvados%23containerRequest%22,%22arvados%23collection%22,[%22tail_uuid%22,%22%3D%22,%22c97qk-tpzed-4gq939sjwtbvwd7%22],[%22link_class%22,%22%3D%22,%22star%22]]&order=name+asc

Subtasks:

Task # 14545: Review https://dev.arvados.org/projects/arvados/wiki/Cluster-wide_favorites	**Resolved**

History

#1 - 10/24/2018 02:11 PM - Tom Morris

- Description updated

#2 - 10/24/2018 06:13 PM - Lucas Di Pentima

- Description updated

- Category set to Documentation

- Story points set to 1.0

#3 - 10/29/2018 03:05 PM - Tom Morris

- Target version changed from To Be Groomed to 2018-11-14 Sprint

#4 - 10/31/2018 04:00 PM - Tom Morris

- Target version changed from 2018-11-14 Sprint to 2018-11-28 Sprint

#5 - 11/28/2018 04:26 PM - Peter Amstutz

- Assigned To set to Peter Amstutz

- Target version changed from 2018-11-28 Sprint to 2018-12-12 Sprint

#6 - 11/28/2018 04:26 PM - Tom Morris

Test to make sure it works as well as documenting it.

#7 - 12/06/2018 06:32 PM - Peter Amstutz

So, it turns out this won't work without modifying workbench, because 'star' links reference the current user.

```
links = Link.filter([['tail_uuid', '=', user.uuid],
                      ['link_class', '=', 'star'],
                      ['head_uuid', 'is_a', 'arvados#group']]).select(%w(head_uuid))
```

#8 - 12/06/2018 06:44 PM - Peter Amstutz

We could change workbench so it searches for both [user uuid, all users group] but then it is no longer just a documentation story.

#9 - 12/06/2018 06:58 PM - Peter Amstutz

- Subject changed from Group/Cluster favorites/library to Design for Group/Cluster favorites/library

#10 - 12/06/2018 07:07 PM - Tom Clegg

- Description updated

#11 - 12/06/2018 07:17 PM - Tom Morris

- Description updated

I've updated the story to clarify it and include examples of the current HTTP calls that can be modified to show how they'd work for system-wide favorites.

If a quick test demonstrates that this won't work, then we'll regroup and figure out what to do next (abandoning this story).

#12 - 12/06/2018 08:50 PM - Peter Amstutz

https://dev.arvados.org/projects/arvados/wiki/Cluster-wide_favorites

#13 - 12/06/2018 09:04 PM - Lucas Di Pentima

Looks good to me. The only addition I would add is to explicitly mention that for creation cluster-wide favorites, the c97qk-j7d0g-ffffffffffffffff project corresponds to "All Users" group, as it may not be obvious to some readers.

#14 - 12/12/2018 04:10 PM - Peter Amstutz

- Status changed from New to Resolved

#15 - 03/01/2019 06:30 PM - Tom Morris

- Release set to 15