2019-10-10 - Fedora Tech Meeting

Time/Place

This meeting is a hybrid teleconference and slack chat. Anyone is welcome to join...here's the info:

- Time: 11:00am Eastern Daylight Time US (UTC-4)
- Audio/Video Conference Link: https://lyrasis.zoom.us/my/fedora
  - Dial-in:
    +1 408 638 0968
    +1 646 876 9923
    +1 669 900 6833
    Meeting ID:
    812 835 3771
- Join fedora-project.slack.com on the "tech" channel

Attendees

Part 1:

1. Danny Bernstein
2. Peter Winckles
3. Jared Whiklo
4. Bethany Seeger
5. Thomas Bernhart
6. Aaron Birkland
7. Andrew Woods ⭐
8. Ben Pennell
9. Ben Cail
10. David Wilcox
11. Peter Eichman

Agenda

1. Announcements
   a. Sprint 2
   b. ?
2. Proposed PersistentStorageSession interface changes
   a. What is wrong with the current approach?
      i. Having two separate layers responsible for creating FedoraResources seems confusing.
      ii. Passing a mutable FedoraResource to the persistenceStorage for create and update could be confusing.
   b. What would improve things?
      i. immutable FedoraResource
         1. fedora resource is a *view* of the resource on disk - doesn't provide all details unless they were requested
         2. implementations are responsible for throwing exceptions when particular details (such as a binary stream or the server managed triples) are not provided by the view.
   c. For reference: proposed additions to the persistence API
3. Fedora 6 and OCFL: managing active updates
   a. What are we planning to implement?
   b. How do we want to implement it?
   c. Consider multi-object transactions
4. Thinking about object stores in the cloud (S3, etc)
5. <add topics here>

Tickets

1. In Review

type	key	summary	assignee	reporter	priority	status	resolution	created	updated	due

> Unable to locate Jira server for this macro. It may be due to Application Link configuration.

2. Please squash a bug!

key	summary	type	created	updated	due	assignee	reporter	priority	status	resolution

> Unable to locate Jira server for this macro. It may be due to Application Link configuration.

3. Tickets resolved this week:

key	summary	type	created	updated	due	assignee	reporter	priority	status	resolution

> Unable to locate Jira server for this macro. It may be due to Application Link configuration.

4. Tickets created this week:

key	summary	type	created	updated	due	assignee	reporter	priority	status	resolution

> Unable to locate Jira server for this macro. It may be due to Application Link configuration.

Notes

Fedora 6 and OCFL: managing active updates

1. Islandoracon feedback
    - How will objects-in-motion be handled
    - Suggestion:
        - Keep everything in OCFL (mutable head)
        - Concern about complexity of having separate storage approaches
        - Interest in Fedora6 transparency, rebuildability, preservation
            - Complexity may not be worth it
    - Noting, Fedora is optional in Islandora
2. Implementation of a mutable-head
    - It is possible... but maybe not as strong of consistency as other approaches
3. Rebuildability and completeness is vital
4. In-motion content is a new concept to the community
5. Is there any issue with the notion of a mutable-head
    - not really
    - important that mutable-head be in the spec
    - This could raise to the level of a Fedora governance question
6. There is still importance in creating versions
    - Even though this is a new concept to the community
7. Complexity in Fedora's implementation is that some Fedora content will never be versioned
    - Must be able to support rebuildability
    - One solution is that un-versioned content will not be preserved
    - This would not be a solution that is palatable with much of the existing Fedora community
8. Is auto-versioning also a potential solution
    - Is inventory/size bloat an issue?
9. Counter-point: if users do not care about versioning, do they care about OCFL?
    - Users still want the benefits of OCFL
    - Users still want co-located content, if sometimes versioning is used
10. ACTION: Andrew to bring mutable-head to OCFL spec editors
11. Interest in alternate storage backends?
    - For folks who do not care about OCFL qualities, other backends are possible
12. Conversation at Islandoracon has come from Fedora birds-of-a-feather and hallway talk

Actions

- Aaron Birkland to look explore notion of OCFL client with database as authoritative metadata source + asynchronous writing of the inventory.json file
- David Wilcox will review the NDSA matrix and pull out the concrete technical requirements that could be considered during the Fedora 6 development.