

Fall 2019 Mid-Sprint 2 Meeting

Time/Place

- Monday, Nov. 11, 2019
- Time: 10:00am Eastern Standard Time US (UTC-5)
- Audio/Video Conference Link: <https://llyrasis.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 "sprints" channel

Attendees:

1. [Danny Bernstein](#)
2. [Andrew Woods](#)
3. [Ben Pennell](#)
4. [Peter Eichman](#)
5. [Mohamed Mohideen Abdul Rasheed](#)
6. [Bethany Seeger](#)
7. [Jared Whiklo](#)
8. [Aron Birkland](#)
9. [Peter Winkles](#)
10. [Dan Field](#)
11. [Remigiusz Malessa](#)

Resources:

Sprint board: <https://jira.duraspace.org/secure/RapidBoard.jspa?projectKey=FCREPO&rapidView=27>

Agenda

1. Round table check-in:
 - a. What's working / what's not
 - b. Availability for this week
2. Are we on track to realize our sprint goals?
 - a. core
 - i. CRUD for containers and binaries.
 - b. migration
3. Sprint closing meeting

Notes

1. Round table check-in
 - a. Peter E
 - i. Some of the design discussions difficult to keep up with, rate of PRs and changes
 - ii. Some local work Tuesday, meetings. Otherwise, available.
 - b. Peter W
 - i. Been working on bugs/fixes with ocfl client, been reworking paths in windows
 - ii. mostly available
 - c. Ben P
 - i. Finishing up ocfl obj session, locking. Reviewing other PRs.
 - ii. mostly available aside from meetings
 - d. Andrew W
 - i. need stakeholder testing of migration tool, it is becoming increasingly usable, needs docs
 1. want to see how well it will handle scale, multi-processing
 - ii. Suggesting looking at list of goals for the sprint
 - e. Danny B
 - i. Many parallel activities going on making things complicated, all layers working independently
 1. hopeful about getting read-write capability for at least some resource types
 - ii. Scattering of meetings, otherwise available. Can't get on early friday morning.
2. Are we on track to realize our sprint goals?
 - a. Core - these goals are our intent for the end of the year
 - i. read/write involves versioning and transactions

- ii. versioning is a little bit vague, are we going to support writing past versions? deleting?
 - 1. should be on target for writing them
- iii. transactions
 - 1. should be decently well defined
- iv. fixity
 - 1. some could come from OCFL, need to make decision of how to use the built in fixity aspects
- v. Many members
 - 1. Will need to get things further along in terms of all aspects of the stack working together to have a estimate of how this will ultimately perform
 - 2. There is a "real world tests" folder somewhere that has a many member script that could be used.
 - a. [Many Members Performance Testing](#)
- vi. services, index, persistence operations, and ocfl creation all currently in play.
- vii. Basic content migration seems to be there
 - 1. right now it creates ocfl objects with turtle files
 - 2. will need to line up what persistence layout, look at that today
- viii. Indexing
 - 1. PeterE - still in the early stages of planning https://docs.google.com/document/d/1yv_Tf_B4EqY8N1IDIm0avOt4mCF-5VuN0sOCtUyg_uQ/edit#
- ix. Locking
 - 1. half isolated transactions - lines up with fcrepo4
 - 2. optimistic locking with merge
 - 3. ocfl client would not provide merge behavior
 - 4. is there a strong use case for merging?
 - a. Peter's case does not have multiple clients writing at the same time.
 - 5. Andrew - Does fedora have a way of recognizing that object is in modification elsewhere, maybe communicate this?
 - 6. Ben - Not sure about doing this based off of persistence level info, versus http layer info like etag/last modified
 - 7. Transactions are hard
 - 8. going to start with last commit wins, work up to other types of optimistic locking
 - 9. at persistence layer, will focus on preventing simultaneous commits to object at same time