

# 2020-03-19 - 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](https://fedora-project.slack.com) on the "tech" channel

## Attendees

1. [Danny Bernstein](#)
2. [Jared Whiklo](#)
3. [Andrew Woods](#)
4. [Peter Winckles](#)
5. [David Wilcox](#)
6. [Ben Cail](#)
7. [Aaron Birkland](#) ★
8. [Thomas Bernhart](#)

## Agenda

1. Announcements
  - a. ...
2. [April Sprint Planning](#)
  - a. [Sprint board](#)
  - b. [Feature tracking](#)
3. Fedora and Docker
  - a. Mystery solved: <https://hub.docker.com/u/fcrepo>
  - b. Merging: <https://github.com/fcrepo4/fcrepo4/pull/1646> ?
4. Containment Index
  - a. How to handle SQL differences (H2, MySQL, PostgreSQL) - pluggable connectors?
5. In-flight
  - a. 22
6. To review

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

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

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

7. 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.										

## Tickets

1. In Review

type	key	summary	assignee	reporter	priority	status	resolution	created	updated	due
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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
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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
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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
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Unable to locate Jira server for this macro. It may be due to Application Link configuration.

# Notes

## Announcements

- Sprint starts the first Monday of April
- Careful of Internet trolls joining zoom meetings, going to try to disable screen sharing except for host on lylaxis zoom by default
  - Have noticed that strange usernames have joined at odd hours, so watch out

## Sprint Planning

- Kudos to Jared for containment index PR, it has moved us forward in a big way.
  - Looks like lots of functionality is now starting to work because of this.
  - Let's consider broadening the scope of the April sprint as a result. Even the UI work
  - Required a bit of learning about JDBC templates. Are we OK using a RDBMS, using the proposed structure?
    - There are tables that are tracking adds and deletes, there's no SQL transaction going on. Those tables that are monitoring the changes are merged into the containment at the end, after having been recorded in the JDBC transaction.
      - This is done in order to handle multi-request and long-lasting transactions. Is it appropriate to keep a JDBC transaction open over all this time
    - Index the whole ID as a primary key? There are pros and cons, Maybe we should use a hash of the ID? Assume field length is 255 characters. Lookup table from ID to int?
    - Came across issues related to differences between SQL implementations.
  - Even if we make changes to approach, this PR is valuable. API is fine, triple service is fine, etc. At least two other people should take a look, but this will move us forward even if we make changes later.
- Open question: should you be able to read the index without some sort of transaction ID?
- Transactions need testing. Not sure if long-running transactions actually work
- Action: [Danny Bernstein](#) create JIRA for remaining transaction work. Most of the infra is in place, it's just a matter of coordinating it in the http layer.
  - Action: [Danny Bernstein](#) ticket for testing long-running transactions

- Some wires need to be connected re: ACLs.
  - Action: [Danny Bernstein](#) add tickets for ACLS.
- Andrew can't deploy fcrepo into Tomcat without removing Shiro on linux, ubuntu.
  - Seems to work for everybody else.
  - Maybe we could try in Vagrant?
  - Have someone else try who uses Ubuntu?
- We should have a fairly tight focus for the sprint "we need this for success". There are a lot of loose ends, it would be a shame for folks to concentrate on loose ends and fail to meet the goals for the sprint.
  - Don't put anything on the sprint board that isn't in this tight group.

## Fedora and Docker

- Mystery solved! [Michael B. Klein](#) reserved the fcrepo org in Dockerhub, and give ownership to the committers.
- [Thomas Bernhart](#) is working on Docker build, will make a PR soon
- Folks want a lightweight way to spool up Fedora in Tomcat, so let's make <https://github.com/fcrepo4/fcrepo4/pull/1646> a real PR.
  - It's so lightweight, why not just keep it if it makes life easier for somebody
  - Keep repository root pollution to a minimum, move tomcat-users.xml into a sub directory
  - Should add a README
  - Action: [Aaron Birkland](#) Add README, re-locate tomcat-users, drop draft status from PR.

## Actions

- **Who:** Clarify in in documentation that multiple simultaneous writes to OCFL are not supported
- **Who:** After team has a chance to comment, send Ghost Node idea to general community for feedback
- [Danny Bernstein](#) to call Docker about fcrepo account
- [Danny Bernstein](#) to email Community list about fcrepo DockerHub account