2019-07-18 - 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://duraspace.zoom.us/my/fedora](https://duraspace.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

Attendee

1. Danny Bernstein
2. Daniel Lamb
3. David Wilcox
4. Jared Whiklo
5. Ben Pennell
6. Yinlin Chen
7. Peter Eichman
8. Bethany Seeger
9. Joshua Westgard

Agenda

1. Announcements
2. Fedora 5.1.0 Release
   a. RC 3?
3. Import Export
   a. 2 PRs need some attention: [https://github.com/fcrepo4-labs/fcrepo-import-export/pulls](https://github.com/fcrepo4-labs/fcrepo-import-export/pulls)
4. Drastic Test Suite Results
5. Fcrepo4-docker:
   a. PR need review: [https://github.com/fcrepo4-labs/fcrepo4-docker/pull/36](https://github.com/fcrepo4-labs/fcrepo4-docker/pull/36)
6. Fedora 6.0.0 Sprint Planning Page
   a. The plan for the master branch
   b. Pre-Sprint Tasks:
      i. Update on Remove all JCR dependent code
      ii. Defining fcrepo-persistence-api
      iii. 6.0 Architecture Review

Tickets

1. In Review

<table>
<thead>
<tr>
<th>T</th>
<th>Key</th>
<th>Summary</th>
<th>Assignee</th>
<th>Reporter</th>
<th>P</th>
<th>Status</th>
<th>Resolution</th>
<th>Created</th>
<th>Updated</th>
<th>Due</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="https://github.com/fcrepo4/fcrepo4/pull/1535" alt=" " /></td>
<td>FCREP O-3268</td>
<td>Rebuild does not succeed for Binary resources</td>
<td>Jared Whiklo</td>
<td>Andrew Woods</td>
<td><img src="https://github.com/fcrepo4/fcrepo4/pull/1535" alt=" " /></td>
<td>Ready for Test</td>
<td>Apr 02, 2020</td>
<td>Apr 04, 2020</td>
<td></td>
<td></td>
</tr>
<tr>
<td><img src="https://github.com/fcrepo4-labs/fcrepo-import-export/pulls" alt=" " /></td>
<td>FCREP O-3254</td>
<td>Replace String resource IDs with new FedoraID class</td>
<td>Jared Whiklo</td>
<td>Andrew Woods</td>
<td><img src="https://github.com/fcrepo4-labs/fcrepo-import-export/pulls" alt=" " /></td>
<td>Ready for Test</td>
<td>Mar 19, 2020</td>
<td>Apr 04, 2020</td>
<td></td>
<td></td>
</tr>
<tr>
<td><img src="https://github.com/fcrepo4-labs/fcrepo4-docker/pull/36" alt=" " /></td>
<td>FCREP O-3246</td>
<td>Cannot create binary resources with content types claimed by RDF sources</td>
<td>Jared Whiklo</td>
<td>Peter Winckles</td>
<td><img src="https://github.com/fcrepo4-labs/fcrepo4-docker/pull/36" alt=" " /></td>
<td>Ready for Test</td>
<td>Mar 10, 2020</td>
<td>Apr 02, 2020</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
2. Please squash a bug!

<table>
<thead>
<tr>
<th>Key</th>
<th>Summary</th>
<th>T</th>
<th>Created</th>
<th>Updated</th>
<th>Due</th>
<th>Assignee</th>
<th>Reporter</th>
<th>P</th>
<th>Status</th>
<th>Resolution</th>
</tr>
</thead>
<tbody>
<tr>
<td>FCREP O-3269</td>
<td>NonRdfSource descriptions are missing triples</td>
<td>Apr 02, 2020</td>
<td>Apr 02, 2020</td>
<td></td>
<td>Unassigned</td>
<td>Jared Whiklo</td>
<td></td>
<td></td>
<td>OPEN</td>
<td>Unresolved</td>
</tr>
<tr>
<td>FCREP O-3261</td>
<td>404 should not include low-level response</td>
<td>Mar 26, 2020</td>
<td>Mar 26, 2020</td>
<td></td>
<td>Unassigned</td>
<td>Andrew Woods</td>
<td></td>
<td></td>
<td>OPEN</td>
<td>Unresolved</td>
</tr>
<tr>
<td>FCREP O-3257</td>
<td>PUT on existing container should be 409</td>
<td>Mar 20, 2020</td>
<td>Mar 26, 2020</td>
<td></td>
<td>Unassigned</td>
<td>Andrew Woods</td>
<td></td>
<td></td>
<td>OPEN</td>
<td>Unresolved</td>
</tr>
<tr>
<td>FCREP O-3256</td>
<td>Ghost nodes should be immutable</td>
<td>Mar 20, 2020</td>
<td>Apr 02, 2020</td>
<td></td>
<td>Unassigned</td>
<td>Andrew Woods</td>
<td></td>
<td></td>
<td>OPEN</td>
<td>Unresolved</td>
</tr>
<tr>
<td>FCREP O-3252</td>
<td>Disallow creating mementos within the same second</td>
<td>Mar 17, 2020</td>
<td>Mar 19, 2020</td>
<td></td>
<td>Unassigned</td>
<td>Peter Winckles</td>
<td></td>
<td></td>
<td>OPEN</td>
<td>Unresolved</td>
</tr>
<tr>
<td>FCREP O-3244</td>
<td>Response triples should reference URIs and not internal IDs</td>
<td>Mar 09, 2020</td>
<td>Mar 09, 2020</td>
<td></td>
<td>Unassigned</td>
<td>Peter Winckles</td>
<td></td>
<td></td>
<td>OPEN</td>
<td>Unresolved</td>
</tr>
<tr>
<td>FCREP O-3243</td>
<td>Fix concurrency issue when creating persistence sessions</td>
<td>Mar 09, 2020</td>
<td>Mar 09, 2020</td>
<td></td>
<td>Unassigned</td>
<td>Peter Winckles</td>
<td></td>
<td></td>
<td>OPEN</td>
<td>Unresolved</td>
</tr>
<tr>
<td>FCREP O-3238</td>
<td>Address naming collisions for .fcrepo files</td>
<td>Feb 20, 2020</td>
<td>Feb 21, 2020</td>
<td></td>
<td>Unassigned</td>
<td>Peter Winckles</td>
<td></td>
<td></td>
<td>OPEN</td>
<td>Unresolved</td>
</tr>
<tr>
<td>Number</td>
<td>Description</td>
<td>Start Date</td>
<td>End Date</td>
<td>Assignee</td>
<td>Progress</td>
<td>Status</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>--------------</td>
<td>-----------------------------------------------------------------------------</td>
<td>------------</td>
<td>-----------</td>
<td>----------</td>
<td>----------</td>
<td>----------</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FCREP O-3234</td>
<td>PaxExam update needed to support Maven's HTTPS requirement</td>
<td>Feb 20, 2020</td>
<td>Feb 20, 2020</td>
<td>Unassigned</td>
<td>Jared Whiklo</td>
<td>OPEN</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FCREP O-3145</td>
<td>Fix migration-util inline XML migration to not transform XML en route</td>
<td>Nov 25, 2019</td>
<td>Mar 02, 2020</td>
<td>Andrew Woods</td>
<td>Scott Prater</td>
<td>OPEN</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FCREP O-3140</td>
<td>Implement disambiguatio pattern for OCFL file naming collisions</td>
<td>Nov 21, 2019</td>
<td>Mar 20, 2020</td>
<td>Unassigned</td>
<td>Jared Whiklo</td>
<td>OPEN</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FCREP O-3139</td>
<td>Design a disambiguatio pattern for the OCFL filenames</td>
<td>Nov 21, 2019</td>
<td>Apr 03, 2020</td>
<td>Unassigned</td>
<td>Jared Whiklo</td>
<td>OPEN</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FCREP O-3138</td>
<td>Test HTTP -&gt; Service layer</td>
<td>Nov 21, 2019</td>
<td>Nov 22, 2019</td>
<td>Unassigned</td>
<td>Jared Whiklo</td>
<td>RECEIVED</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FCREP O-3114</td>
<td>Unauthorized users can delete child resources</td>
<td>Nov 07, 2019</td>
<td>Nov 07, 2019</td>
<td>Unassigned</td>
<td>Danny Bernstein</td>
<td>RECEIVED</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FCREP O-3070</td>
<td>Creating external binary with bad URI and digest blows up</td>
<td>Sep 24, 2019</td>
<td>Sep 24, 2019</td>
<td>Unassigned</td>
<td>Ben Pennell</td>
<td>OPEN</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FCREP O-3037</td>
<td>Prefer header 'omit' containing 'PreferMinima lContainer' URL not honored</td>
<td>Sep 06, 2019</td>
<td>Nov 22, 2019</td>
<td>Unassigned</td>
<td>Bethany Seeger</td>
<td>OPEN</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FCREP O-3022</td>
<td>Intermittent build failure</td>
<td>Jul 15, 2019</td>
<td>Jul 16, 2019</td>
<td>Unassigned</td>
<td>Aaron Birkland</td>
<td>OPEN</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FCREP O-3003</td>
<td>JSON-LD representation of rdf:Lists is incorrect</td>
<td>Jun 03, 2019</td>
<td>Jun 03, 2019</td>
<td>Unassigned</td>
<td>Jared Whiklo</td>
<td>OPEN</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FCREP O-2998</td>
<td>Potential issue with namespace registry</td>
<td>May 22, 2019</td>
<td>Jun 21, 2019</td>
<td>Bethany Seeger</td>
<td>Anna Dabrowski</td>
<td>OPEN</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Showing 20 out of 66 issues

3. Tickets resolved this week:
4. Tickets created this week:

<table>
<thead>
<tr>
<th>Key</th>
<th>Summary</th>
<th>T</th>
<th>Created</th>
<th>Updated</th>
<th>Due</th>
<th>Assignee</th>
<th>Reporter</th>
<th>P</th>
<th>Status</th>
<th>Resolution</th>
</tr>
</thead>
<tbody>
<tr>
<td>FCREPO-3266</td>
<td>Rebuild does not succeed for Binary resources</td>
<td>🟠</td>
<td>Apr 02, 2020</td>
<td>Apr 04, 2020</td>
<td>Jared Whiklo</td>
<td>Andrew Woods</td>
<td>⬇️</td>
<td>IN REVIEW</td>
<td>Ready for Test</td>
<td></td>
</tr>
<tr>
<td>FCREPO-3263</td>
<td>NonRdfSource descriptions are missing headers</td>
<td>🟠</td>
<td>Apr 01, 2020</td>
<td>Apr 02, 2020</td>
<td>Jared Whiklo</td>
<td>Jared Whiklo</td>
<td>⬇️</td>
<td>CLOSED</td>
<td>Fixed</td>
<td></td>
</tr>
<tr>
<td>FCREPO-3259</td>
<td>User provided RDF does not get the correct subject</td>
<td>🟠</td>
<td>Mar 26, 2020</td>
<td>Mar 31, 2020</td>
<td>Andrew Woods</td>
<td>Jared Whiklo</td>
<td>⬇️</td>
<td>CLOSED</td>
<td>Fixed</td>
<td></td>
</tr>
<tr>
<td>FCREPO-3254</td>
<td>Replace String resource IDs with new FedoraID class</td>
<td>⬆️</td>
<td>Mar 19, 2020</td>
<td>Apr 04, 2020</td>
<td>Jared Whiklo</td>
<td>Andrew Woods</td>
<td>⬆️</td>
<td>IN REVIEW</td>
<td>Ready for Test</td>
<td></td>
</tr>
<tr>
<td>FCREPO-3246</td>
<td>Cannot create binary resources with content types claimed by RDF sources</td>
<td>🟠</td>
<td>Mar 10, 2020</td>
<td>Apr 02, 2020</td>
<td>Jared Whiklo</td>
<td>Peter Winckles</td>
<td>⬆️</td>
<td>IN REVIEW</td>
<td>Ready for Test</td>
<td></td>
</tr>
</tbody>
</table>

5 issues

7 issues
Notes

Fedora 5.1.0 release

1. The Windows issue has been resolved, the commit that resolved the issue was made to 5.0.2 but needed to be ported to master
2. Danny is going to put out release candidate 3, we will then run through a manual test on linux
   a. Danny Lamb will test in islandora, Esme will (hopefully) test with valkyrie.
   b. What is the minimum amount of time for a release candidate?
      i. Jared will send out an announcement today indicating that unless any new issues are found, it will be released on the following Friday (July 26)

Import/Export

1. Roundtripping implemented, PRs need to be reviewed
   a. Ben will look at PRs
2. Will then need to do community testing
   a. Would anyone be interested in a 4 to 5 migration test?
      i. Josh Westgard is interested in this. Actual production migration they would likely wait for 6, but they are willing to test this.
      ii. Danny and Josh will be in contact about testing things

Drastic Test Results

1. Greg set up instance of DRASTIC, Andrew ran the test suite against it. 45% of MUSTs passed
   a. Should we attempt to do anything about this?
      i. Josh - It should continue to be a goal to push towards having a second implementation. They had a grant to explore the Fedora API on top of DRASTIC.
      ii. Peter - there are a lot of MUST failures around digest processing. Is this a limitation of the cassandra backend?
      iii. Jared - there are 28 WebAC failures, so that is probably the largest section
   b. Reach out to Greg to see if there is any intention of pursuing these. Try to determine if any of these are resolvable or if they are architectural mismatches.
   c. Josh - check with DRASTIC and Trellis people to see their opinions on the failures
   d. Danny will reach out to Greg

Fcrepo4-docker

1. Yinlin needs someone to review a PR, it adds in camel tools
2. Danny will take a look, Josh will also try running the docker script, Aaron can also try today or tomorrow

Fedora 6 Sprint planning

Plan for master branch

1. Discussed creating a fedora 6 overhaul branch, keep master in working state until build and test pass
   a. Decided to go with master as the main line of development branch, even though it won't build
   b. Email the tech list about this decision for informational purposes

Pre-sprint tasks

1. Danny has started on the demolition, about halfway there.
   a. Removed the modeshape kernel module from the project pom
   b. Been moving Exception classes out to the API module where appropriate
   c. Hasn't revolutionized his understanding of what changes we'll need to make to the codebase for 6.0 yet.
   d. Once this is done, it will be merged into master. Should be next week.
2. fcrepo-persistence-api is awaiting someone to come along and try to figure out what the API is for a persistence layer
3. Most likely others will need to wait until after the demolition to start collaborating.
4. Architectural diagrams, very tentative, how should we proceed with these?
   a. Current plan is to use Aaron's OCFL client as a placeholder, possibly for the final project depending on how well it works.
   b. Aaron take people through the client in the committer's call.
   c. This page can be a good place to use as a white board for gathering ideas
   d. Aaron - Once we start creating the APIs it should be easier to start commenting on it and the bigger picture.

Actions

- [ ] Danny Bernstein will reach out to Greg about DRASTIC test results
- [ ] Ben Pennell will review import/export tasks