2018-04-26 - 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
  - 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

- Danny Bernstein
- Andrew Woods
- Bethany Seeger
- Jared Whiklo
- Peter Eichman
- Kevin Ford
- Ben Pennell
- Mohamed Abdul Rasheed
- Yinlin Chen
- Randall Floyd

Agenda

1. Sprint Update
   a. Board
   b. Backlog
   c. WebACL
   d. Versioning
   e. Compatibility Test Suite
2. Post Sprint Planning
   a. Who can commit to landing 5.0.0 for release
     i. Loose ends
        1. Completing the API alignment tasks
        2. Documentation
           a. Adopters Guide
           b. Fedora.5.x Documentation Review
           c. Compatibility Test Suite
     3. Bug fixes
3. Messaging headers: should they stay or should they go? who is using them? Camel?
4. [FCREPO-2604](#) - Assure that messages are emitted when required by the spec

5. Checkstyle Analysis

   a. Repo
   b. There are three rules in the fedora checkstyle rules that are not in the Duraspace checkstyle rules:
      i. requiring @author in javadoc
      ii. "final" required for parameter variables
      iii. "final" required for local variables
6. Mailing list: Kevin Ford's inbound links question

Ticket Summaries

1. 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>
</table>

[FCREPO-2604](#) - Assure that messages are emitted when required by the spec [CLOSED]:

- Are we comfortable with messages emitted? Shall we consider using Duraspace checkstyle rules?

**Key**

- T: Ticket Number
- Created: Date Ticket was created
- Updated: Date Ticket was last updated
- Due: Date Ticket was due
- Assignee: Employee assigned to ticket
- Reporter: Employee who created the ticket
- P: Priority
- Status: Ticket status
- Resolution: Ticket resolution
<table>
<thead>
<tr>
<th>FCREP O-3312</th>
<th>Creating RDFSource with Content-type with charset results in a NonRDFSource</th>
<th>May 08, 2020</th>
<th>May 08, 2020</th>
<th>Unassigned</th>
<th>Jared Whiklo</th>
<th>OPEN</th>
<th>Unresolved</th>
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<tbody>
<tr>
<td>FCREP O-3311</td>
<td>PATCH requests are not parsed with the HttpRdfService so internal identifiers are not stored.</td>
<td>May 08, 2020</td>
<td>May 08, 2020</td>
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<td>FCREP O-3310</td>
<td>DELETE DATA sparql-updates appear to succeed but don't happen</td>
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<td>FCREP O-3290</td>
<td>Repository root only exists in mutable head</td>
<td>Apr 28, 2020</td>
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<td>Unassigned</td>
<td>Peter Winckles</td>
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<td>FCREP O-3288</td>
<td>Delete ACL when deleting a subpath or object</td>
<td>Apr 27, 2020</td>
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<td>FCREP O-3287</td>
<td>Deal with extensions on OCFL subpaths</td>
<td>Apr 27, 2020</td>
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<td>OPEN</td>
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<tr>
<td>FCREP O-3286</td>
<td>Exception on malformed Link header</td>
<td>Apr 25, 2020</td>
<td>Apr 25, 2020</td>
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<td>FCREP O-3284</td>
<td>POSTing to a Tombstone results in a new resource being created</td>
<td>Apr 24, 2020</td>
<td>Apr 25, 2020</td>
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<td>FCREP O-3280</td>
<td>Millisecond portion of fedora:created loses zeros</td>
<td>Apr 22, 2020</td>
<td>Apr 25, 2020</td>
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<td>FCREP O-3275</td>
<td>Java client referencing 5.0.0-SNAPSHOT on maven that doesn't exist</td>
<td>Apr 10, 2020</td>
<td>Apr 10, 2020</td>
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<td>Bethany Seeger</td>
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<td>FCREP O-3269</td>
<td>NonRdfSource descriptions are missing triples</td>
<td>Apr 02, 2020</td>
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<td>Jared Whiklo</td>
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<td>FCREP O-3261</td>
<td>404 should not include low-level response</td>
<td>Mar 26, 2020</td>
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<td>FCREP O-3257</td>
<td>PUT on existing container should be 409</td>
<td>Mar 20, 2020</td>
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<td>FCREP O-3256</td>
<td>Ghost nodes should be immutable</td>
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<td>May 04, 2020</td>
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<td>FCREP O-3252</td>
<td>Disallow creating mementos within the same second</td>
<td>Mar 17, 2020</td>
<td>Mar 19, 2020</td>
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### Tickets resolved this week:

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<th>Key</th>
<th>Summary</th>
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<tr>
<td>FCREP O-3304</td>
<td>Simplify contribution template</td>
<td>May 07, 2020</td>
<td>May 07, 2020</td>
<td></td>
<td>Andrew</td>
<td>Andrew</td>
<td></td>
<td>IN REVIEW</td>
<td>Ready for Test</td>
</tr>
<tr>
<td>FCREP O-3303</td>
<td>Ensures deployment to sonatype only happens on the linux build.</td>
<td>May 07, 2020</td>
<td>May 08, 2020</td>
<td></td>
<td>Danny</td>
<td>Danny</td>
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<td>CLOSED</td>
<td>Fixed</td>
</tr>
<tr>
<td>FCREP O-3302</td>
<td>Change auto-versioning policy to enabled by default</td>
<td>May 07, 2020</td>
<td>May 07, 2020</td>
<td></td>
<td>Andrew</td>
<td>Andrew</td>
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<td>Ready for Test</td>
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<tr>
<td>FCREP O-3301</td>
<td>Minor: Remove '/commit' suffix on transaction commit request</td>
<td>May 07, 2020</td>
<td>May 07, 2020</td>
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<td>Andrew</td>
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<td>IN REVIEW</td>
<td>Ready for Test</td>
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<tr>
<td>FCREP O-3299</td>
<td>Update Transaction documentation</td>
<td>May 07, 2020</td>
<td>May 07, 2020</td>
<td></td>
<td>Andrew</td>
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<td></td>
<td>IN REVIEW</td>
<td>Ready for Test</td>
</tr>
<tr>
<td>FCREP O-3297</td>
<td>PUT and POST of BasicContainer does not support charset in Content-Type header</td>
<td>May 06, 2020</td>
<td>May 07, 2020</td>
<td></td>
<td>Andrew</td>
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<td>May 04</td>
<td>May 06, 2020</td>
<td>Andrew Woods</td>
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<td>IN REVIEW</td>
<td>Ready for Test</td>
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<tr>
<td>FCREP O-3294</td>
<td>Ensure that WebACs are enforced</td>
<td>May 04</td>
<td>May 09, 2020</td>
<td>Jared Whiklo</td>
<td>Danny Bernstein</td>
<td>IN REVIEW</td>
<td>Ready for Test</td>
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<tr>
<td>FCREP O-3293</td>
<td>Redux: Address mvn build error; [ERROR] Error fetching link</td>
<td>Apr 30</td>
<td>May 04, 2020</td>
<td>Andrew Woods</td>
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<td>FCREP O-3291</td>
<td>Use Travis-CI to publish snapshot artifacts</td>
<td>Apr 30</td>
<td>May 07, 2020</td>
<td>Danny Bernstein</td>
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<td>FCREP O-3254</td>
<td>Replace String resource IDs with new FedoraID class</td>
<td>Mar 19</td>
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<td>Andrew Woods</td>
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<td>FCREP O-3246</td>
<td>Cannot create binary resources with content types claimed by RDF-sources</td>
<td>Mar 10</td>
<td>May 04, 2020</td>
<td>Jared Whiklo</td>
<td>Peter Winckles</td>
<td>CLOSED</td>
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<tr>
<td>FCREP O-3233</td>
<td>Extract bagit support code</td>
<td>Feb 18</td>
<td>May 06, 2020</td>
<td>Michael Ritter</td>
<td>Michael Ritter</td>
<td>IN REVIEW</td>
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<tr>
<td>FCREP O-3134</td>
<td>Service for creating/updating WebACs</td>
<td>Nov 19</td>
<td>May 04, 2020</td>
<td>Jared Whiklo</td>
<td>Ben Pennell</td>
<td>CLOSED</td>
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3. Tickets created this week:
<table>
<thead>
<tr>
<th>FCREP O-3309</th>
<th>Move persistence of FedoraToOC FLIndex into the database</th>
<th>May 08, 2020</th>
<th>May 08, 2020</th>
<th>Unassigned</th>
<th>Danny Bernstein</th>
<th>OPEN</th>
<th>Unresolved</th>
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<tr>
<td>FCREP O-3308</td>
<td>Consolidate Fedora configuration in one place.</td>
<td>May 08, 2020</td>
<td>May 08, 2020</td>
<td>Unassigned</td>
<td>Danny Bernstein</td>
<td>OPEN</td>
<td>Unresolved</td>
</tr>
<tr>
<td>FCREP O-3307</td>
<td>List all resources via the search endpoint</td>
<td>May 08, 2020</td>
<td>May 08, 2020</td>
<td>Unassigned</td>
<td>Danny Bernstein</td>
<td>IN PROGRESS</td>
<td>Unresolved</td>
</tr>
<tr>
<td>FCREP O-3306</td>
<td>Re-establish Demo Server</td>
<td>May 08, 2020</td>
<td>May 08, 2020</td>
<td>Andrew Woods</td>
<td>Andrew Woods</td>
<td>IN PROGRESS</td>
<td>Unresolved</td>
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<tr>
<td>FCREP O-3305</td>
<td>Draft and Publish new Fedora Transactions Ontology</td>
<td>May 07, 2020</td>
<td>May 07, 2020</td>
<td>Unassigned</td>
<td>Andrew Woods</td>
<td>OPEN</td>
<td>Unresolved</td>
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<td>FCREP O-3304</td>
<td>Simplify contribution template</td>
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<td>FCREP O-3300</td>
<td>Create Rebuild documentation</td>
<td>May 07, 2020</td>
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<td>Andrew Woods</td>
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<td>FCREP O-3298</td>
<td>Document Search API</td>
<td>May 06, 2020</td>
<td>May 07, 2020</td>
<td>Danny Bernstein</td>
<td>Danny Bernstein</td>
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<td>Unresolved</td>
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Minutes

1. Sprint Update
   a. Peter: summary of WebAC work, FCREPO-2760 unblocks many things
   b. Danny: we should create separate tickets for tests
   c. Danny: added support acl:Control to sprint scope
   d. FCREPO-2637 - Document using WebAC for non-authenticated reads
      i. Jared: this is also not in the spec
   e. Mohamed: working on spring config, acl:append
      i. spring config will unblock manual testing
   f. External content handling
      i. Bethany: picked up Ben's work on external content, Jared continued on multiple huge changes
      ii. Bethany: should have PR soon for external content, hopefully by EOD Friday
      1. should address all 3 access types (copy, proxy, and redirect)
   g. Randall's Java questions: got some advice before call, should be unstuck now
   h. Andrew is focussed on PR review (as well as gutting the codebase)
      i. Danny can support PR review by testing
      ii. no open PRs on TCK
      iii. 4 open sprint PRs on fcrepo4
      iv. #1341 (single document ACL) has not been reviewed, Danny and Andrew will review
   i. Andrew: goal: align with spec, probably won't all happen in this sprint
      i. update delta document to reflect current state
      ii. Danny: most red x's on delta document in WebAC, and versioning
      iii. Peter: review delta document at sprint wrap-up meeting?
      iv. Danny: will go though question mark items, then focus on red X's
   j. Ben: binary memento tests are mostly passing with new implementation of binaries, finishing up tests for description w/o binary
      i. PR today (hopefully)

2. Post Sprint Planning
   a. Much work done, but there is still work to bring 5.0.0 to release
      i. API alignment, bug fixes, documentation, compatibility test suite
   b. Randall: interested in getting back to compatibility test suite
   c. Peter: 5.x documentation for WebAC
      i. Andrew: a large amount of weeding that can be done on the wiki
   d. Kevin: what happened to breaking changes document?
      i. Danny: a question of focus, adopters guide could subsume the breaking changes document
      ii. Kevin: breaking changes could be a list, adopter's guide can go into greater detail
      iii. Danny: adopter's guide less urgent than 5.x documentation, 5.x is key
      iv. Kevin: will look at adopter's guide, focus on uniform presentation
   e. Danny: contractor pausing on compatibility test suite while community looks at it?
      i. Andrew: yes, contractor is ready to go as soon as we give the okay, once WebAC and versioning drop in it would be good to give the green light
      ii. contractors role to go line-by-line through spec and crank out tests
      iii. Danny: how much value is there in us organizing that work?
      1. Andrew: high value in setting up a first test to give the contractors a starting point
      2. Danny: will stub out tests
      3. Randall: need a pattern to follow, so setup code and pseudocode will be very helpful
   f. Danny: will discuss plan for 5.0.0 release at sprint wrap-up meeting

3. Messaging Headers
   a. adoption of ActivityStreams
   b. JMS headers are still be emitted
   c. Peter: Camel might use them, needs review
   d. Andrew: need to review whether the camel toolbox works with the API sprint changes
   e. Kevin: removing headers would break their routes, possibly other people's
   f. Danny: review our header schemes, find out which routes depend on what headers
   g. Jared: fcrepo-camel is setup to turn an ActivityStream message to custom (non-JMS) headers

4. Inbound Links Question (Kevin)
   a. Kevin: issue is not critical and discussion can be delayed
      i. inbound reference list appears to get truncated
      ii. feeling that it is a bug, but not sure
      iii. RDF response is truncated
   b. Danny: try N-triples, see if it is serialization-dependent
   c. Andrew: please create a bug report so it doesn't get lost
   d. Kevin: will do

5. Checkstyle Rules
   a. Andrew: plan is to have a common set that could be suppressed on a rule-by-rule basis for other projects
b. Danny: using Fedora as the basis for these common rules

**Actions**

- **Danny Bernstein** Create a ticket to check whether or not the fcrepo-camel-toolbox still works with 5.0. Part of that ticket is to evaluate whether or not there are dependencies on the jms.* headers included in the messages generated by Fedora.

- **Kevin Ford** Create a ticket for InboundReferences issue. (FCREPO-2780 - GET inbound refs incomplete response)