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](https://fedora-mirrors.bitbucket.io/feedback/fcrepo/issue) - Are we comfortable with messages emitted when required by the spec [CLOSED]?:
   a. Are we comfortable with messages emitted? Shall we consider using Duraspace checkstyle rules?
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>FCREP O-3425</th>
<th>Fedora rdf types are not treated as managed</th>
<th>Sep 12, 2020</th>
<th>Sep 12, 2020</th>
<th>Unassigned</th>
<th>Peter Winckles</th>
<th>RECEIVED</th>
<th>Unresolved</th>
</tr>
</thead>
<tbody>
<tr>
<td>FCREP O-3423</td>
<td>ACLs not displayed properly</td>
<td>Sep 12, 2020</td>
<td>Sep 12, 2020</td>
<td>Unassigned</td>
<td>Peter Winckles</td>
<td>OPEN</td>
<td>Unresolved</td>
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<tr>
<td>FCREP O-3422</td>
<td>Repository root is missing root type</td>
<td>Sep 12, 2020</td>
<td>Sep 12, 2020</td>
<td>Unassigned</td>
<td>Peter Winckles</td>
<td>OPEN</td>
<td>Unresolved</td>
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<tr>
<td>FCREP O-3421</td>
<td>Timemaps are missing type <code>memento:TimeMap</code></td>
<td>Sep 12, 2020</td>
<td>Sep 12, 2020</td>
<td>Unassigned</td>
<td>Peter Winckles</td>
<td>OPEN</td>
<td>Unresolved</td>
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<tr>
<td>FCREP O-3414</td>
<td>Stacktrace in response: PUT without Content-Type</td>
<td>Sep 08, 2020</td>
<td>Sep 11, 2020</td>
<td>Unassigned</td>
<td>Andrew Woods</td>
<td>OPEN</td>
<td>Unresolved</td>
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<tr>
<td>FCREP O-3413</td>
<td>Stacktrace in response: PATCH with unknown prefix</td>
<td>Sep 08, 2020</td>
<td>Sep 11, 2020</td>
<td>Unassigned</td>
<td>Andrew Woods</td>
<td>OPEN</td>
<td>Unresolved</td>
</tr>
<tr>
<td>FCREP O-3387</td>
<td>Versions not visible in HTML UI</td>
<td>Jul 22, 2020</td>
<td>Aug 03, 2020</td>
<td>Unassigned</td>
<td>Andrew Woods</td>
<td>OPEN</td>
<td>Unresolved</td>
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<tr>
<td>FCREP O-3377</td>
<td>Migration utils needs to stage files with windows safe paths</td>
<td>Jul 09, 2020</td>
<td>Aug 05, 2020</td>
<td>Unassigned</td>
<td>Andrew Woods</td>
<td>OPEN</td>
<td>Unresolved</td>
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<tr>
<td>FCREP O-3374</td>
<td>Catch <code>PersistentStorageExceptions</code></td>
<td>Jul 09, 2020</td>
<td>Aug 03, 2020</td>
<td>Unassigned</td>
<td>Andrew Woods</td>
<td>OPEN</td>
<td>Unresolved</td>
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<td>FCREP O-3368</td>
<td>Stacktrace on webapp shutdown</td>
<td>Jul 08, 2020</td>
<td>Aug 03, 2020</td>
<td>Unassigned</td>
<td>Andrew Woods</td>
<td>OPEN</td>
<td>Unresolved</td>
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<tr>
<td>FCREP O-3367</td>
<td>Stacktrace response on bad Link header</td>
<td>Jul 08, 2020</td>
<td>Aug 03, 2020</td>
<td>Unassigned</td>
<td>Andrew Woods</td>
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<td>Unresolved</td>
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<tr>
<td>FCREP O-3329</td>
<td>The server should not allow HTTP PATCH to update an LDPC's containment triple</td>
<td>May 27, 2020</td>
<td>Aug 05, 2020</td>
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<td>Danny Bernstein</td>
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<td>Unresolved</td>
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<td>FCREP O-3256</td>
<td>Ghost nodes should be immutable</td>
<td>Mar 20, 2020</td>
<td>Jun 23, 2020</td>
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<td>Andrew Woods</td>
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<td>FCREP O-3145</td>
<td>Fix migration-utils inline XML migration to not transform XML en route</td>
<td>Nov 25, 2019</td>
<td>Jun 23, 2020</td>
<td>Andrew Woods</td>
<td>Scott Prater</td>
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<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>
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16 issues

2. Tickets resolved this week:

<table>
<thead>
<tr>
<th>Key</th>
<th>Summary</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-3431</td>
<td>Implement getChildren for FedoraResource</td>
<td>Sep 15, 2020</td>
<td>Sep 16, 2020</td>
<td>Ben Pennell</td>
<td>Ben Pennell</td>
<td>CLOSED</td>
<td>Fixed</td>
<td></td>
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<tr>
<td>FCREPO-3429</td>
<td>Stop supporting sparql-update as a RDF format when creating resources.</td>
<td>Sep 15, 2020</td>
<td>Sep 16, 2020</td>
<td>Jared Whiklo</td>
<td>Jared Whiklo</td>
<td>IN REVIEW</td>
<td>Ready for Test</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FCREPO-3403</td>
<td>Refactor migration-utils to use fcrepo-storage-ocfl</td>
<td>Aug 27, 2020</td>
<td>Sep 16, 2020</td>
<td>Peter Winckles</td>
<td>Peter Winckles</td>
<td>CLOSED</td>
<td>Fixed</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FCREPO-3402</td>
<td>Fedora6 migration-utils stops at bad internal fedora3 ID</td>
<td>Aug 27, 2020</td>
<td>Sep 16, 2020</td>
<td>Danny Bernstein</td>
<td>Calvin Xu</td>
<td>IN REVIEW</td>
<td>Fixed</td>
<td></td>
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</tbody>
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4 issues

3. Tickets created this week:

<table>
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<th>Key</th>
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<th>Reporter</th>
<th>P</th>
<th>Status</th>
<th>Resolution</th>
</tr>
</thead>
<tbody>
<tr>
<td>FCREPO-3432</td>
<td>F4-&gt;F6 upgrade: F4-&gt;F5 output missing interaction model</td>
<td>Sep 18, 2020</td>
<td>Sep 18, 2020</td>
<td>Danny Bernstein</td>
<td>Danny Bernstein</td>
<td>OPEN</td>
<td>Unresolved</td>
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<td>Ben Pennell</td>
<td>CLOSED</td>
<td>Fixed</td>
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<tr>
<td>FCREPO-3430</td>
<td>Review &quot;Server Generated Properties&quot; for binaries</td>
<td>Sep 15, 2020</td>
<td>Sep 15, 2020</td>
<td>Unassigned</td>
<td>Jared Whiklo</td>
<td>OPEN</td>
<td>Unresolved</td>
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</table>

4 issues
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] Closed: out of scope, potential impact on authN
      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 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 Fedor
Kevin Ford Create a ticket for InboundReferences issue. ( FCREPO-2780 - GET inbound refs incomplete response OPEN )