2018-04-05 - 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
- Doron Shalvi
- Kevin Ford
- Ben Pennell
- James Silas Creel
- David Wilcox
- Aaron Birkland

Agenda

1. Sign up for the upcoming Alignment Sprint
2. Sprint planning
   a. Close the loop on Ben Pennell’s exposition of options for implementing mementos of binaries and their descriptions
      i. Outstanding questions:
         1. Should we have LDP responses for mementos?
         2. Does a memento object act as a full LDP object, particularly with respect to headers?
         3. Are the edge things (such as headers) important for our users’ workflows? Should we handle these?
         4. Is versioning for items only currently in the repo, or all items that have ever been in repo?
         5. Should Fedora keep versions of items that have been deleted?
      ii. feedback from leadership?
   b. WEB ACLs
      i. Peter Eichman’s assessment of moving WebACLs from modeshape.
      ii. FCREPO-2742 - Section 5: Allow single-document ACLs using hash URIs for authorizations. CLOSED
         1. Do we still want to support the current scheme for the sake of backward compatibility?
      iii. FCREPO-2743 - Section 5.0 Support acl:Control in ACLs CLOSED
         1. Discuss Aaron Birkland’s questions in the issue comments section
         2. Should we consider abandoning Section 5.4 Specify ACL on resource creation in light of this issue as well as
            FCREPO-2744 - Remove need for acl:accessControl triple, or make it server-managed. CLOSED and
            FCREPO-2745 - Always Create (paths for) ACLs, and expose in link headers CLOSED
   c. Documentation mini sprint
      i. Who is interested?
      ii. Timeframe
      iii. Objective
      iv. Next steps
   d. “Pre-sprint” work that can be done
   e. Reading work?
   f. Low-hanging JIRA tickets:
      i. ?
3. Shall we consider using Duraspace checkstyle rules?
   a. Checkstyle Analysis
   b. Repo
   c. 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
   d. There are 40-odd lines in fcrepo4 that would need to be corrected to roll this out.
4. OCFL update from Andrew Woods
5. ?

**Sprint tickets**

<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>
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<tbody>
<tr>
<td>🌟</td>
<td>FCREP O-2784</td>
<td>Document headers persisted for Mementos vs the OriginalResource</td>
<td>Unassigned</td>
<td>Jared Whiklo</td>
<td>⚤</td>
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<td>Unresolved</td>
<td>Apr 30, 2018</td>
<td>Aug 21, 2020</td>
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<td>🌟</td>
<td>FCREP O-2092</td>
<td>ldp:isMemberOfRelation does not find reference property</td>
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<td>Unresolved</td>
<td>Jul 25, 2016</td>
<td>Aug 21, 2020</td>
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</table>

2 issues

**Ticket Summaries**

1. Please squash a bug!

<table>
<thead>
<tr>
<th>Key</th>
<th>Summary</th>
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<th>Status</th>
<th>Resolution</th>
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<tbody>
<tr>
<td>🌟 FCREP O-3425</td>
<td>Fedora rdf types are not treated as managed</td>
<td>Sep 12, 2020</td>
<td>Sep 12, 2020</td>
<td>Unassigned</td>
<td>Peter Winckles</td>
<td>⚤</td>
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<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>⚤</td>
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<td>Unresolved</td>
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<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>⚤</td>
<td>OPEN</td>
<td>Unresolved</td>
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<tr>
<td>🌟 FCREP O-3421</td>
<td>Timemaps are missing type memento: TimeMap</td>
<td>Sep 12, 2020</td>
<td>Sep 12, 2020</td>
<td>Unassigned</td>
<td>Peter Winckles</td>
<td>⚤</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 11, 2020</td>
<td>Sep 11, 2020</td>
<td>Unassigned</td>
<td>Andrew Woods</td>
<td>⚤</td>
<td>OPEN</td>
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<tr>
<td>🌟 FCREP O-3413</td>
<td>Stacktrace in response: PATCH with unknown prefix</td>
<td>Sep 11, 2020</td>
<td>Sep 11, 2020</td>
<td>Unassigned</td>
<td>Andrew Woods</td>
<td>⚤</td>
<td>OPEN</td>
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<tr>
<td>🌟 FCREP O-3387</td>
<td>Versions not visible in HTML UI</td>
<td>Aug 03, 2020</td>
<td>Aug 03, 2020</td>
<td>Unassigned</td>
<td>Andrew Woods</td>
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<td>🌟 FCREP O-3377</td>
<td>migration util needs to stage files with windows safe paths</td>
<td>Aug 05, 2020</td>
<td>Aug 05, 2020</td>
<td>Unassigned</td>
<td>Peter Winckles</td>
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<td>🌟 FCREP O-3374</td>
<td>Catch PersistentStorageExceptions</td>
<td>Aug 03, 2020</td>
<td>Aug 03, 2020</td>
<td>Unassigned</td>
<td>Andrew Woods</td>
<td>⚤</td>
<td>OPEN</td>
<td>Unresolved</td>
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</table>
2. Tickets resolved this week:

| Key       | Summary                                                                                   | Created    | Updated    | Due       | Assignee         | Reporter         | P | Status      | Resolution |
|-----------|-------------------------------------------------------------------------------------------|------------|------------|-----------|------------------|------------------|   |            |            |
| FCREP O-3368 | Stacktrace on webapp shutdown                                                            | Jul 08, 2020 | Aug 03, 2020 | Unassigned | Andrew Woods     |                  |   | OPEN       | Unresolved |
| FCREP O-3367 | Stacktrace response on bad Link header                                                    | Jul 08, 2020 | Aug 03, 2020 | Unassigned | Andrew Woods     |                  |   | OPEN       | Unresolved |
| FCREP O-3329 | The server should not allow HTTP PATCH to update an LDPC's containment triple            | May 27, 2020 | Aug 05, 2020 | Unassigned | Danny Bernstein  |                  |   | OPEN       | Unresolved |
| FCREP O-3256 | Ghost nodes should be immutable                                                          | Mar 20, 2020 | Jun 23, 2020 | Unassigned | Andrew Woods     |                  |   | OPEN       | Unresolved |
| FCREP O-3145 | Fix migration-utils inline XML migration to not transform XML en route                   | Nov 25, 2019 | Jun 23, 2020 | Andrew Woods | Scott Prater     |                  |   | OPEN       | Unresolved |
| FCREP O-3138 | Test HTTP - > Service layer                                                               | Nov 21, 2019 | Nov 22, 2019 | Unassigned | Jared Whiklo     |                  |   | RECEIVED   | Unresolved |
| FCREP O-2263 | Reserved Characters in fragments are encoded by UriBuilder                               | Oct 09, 2016 | Nov 22, 2019 | Unassigned | Christopher Johnson |              |   | OPEN       | Unresolved |

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3. Tickets created this week:

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<tr>
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<th>Resolution</th>
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<tbody>
<tr>
<td>FCREP O-3321</td>
<td>WebACL for /rest/fcr:tx</td>
<td>May 21, 2020</td>
<td>Sep 11, 2020</td>
<td>Peter Eichman</td>
<td>Danny Bernstein</td>
<td></td>
<td>CLOSED</td>
<td>Fixed</td>
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<tr>
<td>FCREP O-3269</td>
<td>NonRdfSource descriptions are missing triples</td>
<td>Apr 02, 2020</td>
<td>Sep 10, 2020</td>
<td>Jared Whiklo</td>
<td>Jared Whiklo</td>
<td></td>
<td>CLOSED</td>
<td>Fixed</td>
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<tr>
<td>FCREP O-3037</td>
<td>Prefer header 'omit' containing 'PreferMinimal Container' URL not honored</td>
<td>Sep 06, 2019</td>
<td>Sep 11, 2020</td>
<td>Jared Whiklo</td>
<td>Bethany Seeger</td>
<td></td>
<td>IN REVIEW</td>
<td>Ready for Test</td>
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</tbody>
</table>

9 issues
Minutes

Sprint Planning

Memento and Binaries

1. Two topics
   - Which of the three approaches should be taken for creating binary/desc mementos
   - Answers to open questions
2. Bethany/Esté to respond to BenP’s request to list
3. For the normal case of creating a “current” memento, the pattern is relatively clear
   a. The trickiness is in restoring “historic” mementos
4. What headers do we need to return on requests for Fedora Mementos?
   a. Suggestion: enumerate headers to be returned on GET/HEAD of binary and desc mementos
5. What are the interaction use cases for interacting with creating and retrieving binary/desc mementos?
   a. Import/export utility may need to capture headers?
6. No clear consensus on recommended approach
7. Deferring for now, but encouraging BenP to move forward with design

WebAC

1. Discussion of new JIRA tickets
   a. fcrepo-2742: suggestion to move to hash-based ACLs
      • Deprecate existing ldp:contains approach
      • Emphasize the hash-based approach in documentation
      • Question to community: is this a tolerable breaking change in Fedora5 or should existing WebAC model be supported (and flagged as deprecated)
2. **ACTION**: DannyB to create list of breaking changes in Fedora5
3. **ACTION**: DannyB to send message out to community wrt whether webac breaking change is tolerable

DuraSpace checkstyle

1. Proposal: all DuraSpace projects adopt new checkstyle rules, with custom suppressions
2. No decision yet
   • Need to open resources linked in agenda
3. Would it make sense to create a pull-request?

Actions

- [ ] Danny Bernstein: to create list of breaking changes in Fedora5
- [ ] Danny Bernstein: to send message to community wrt whether webac breaking change is tolerable in Fedora5 (or should continue to be supported, and deprecated)
- ✔ Peter Eichman: Review and update ACL creation documentation: Quick Start with WebAC
- ✔ Ben Pennell: Create a wiki page documenting options for mementos of binaries and their descriptions