2018-05-03 - 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

Attendees

- Danny Bernstein
- Andrew Woods
- Bethany Seeger
- Jared Whiklo
- Peter Eichman
- Kevin Ford
- Ben Pennell
- Mohamed Abdul Rasheed
- Randall Floyd
- Carrick Rogers
- James Silas Creel
- Aaron Birkland

Agenda

1. Sprint Summary
   a. Updates on
      i. External Content
      ii. WebAC
      iii. Binary Versioning
      iv. CTS

2. The fate of /fcr:fixity endpoint: should we continue to support it in 5.0?
3. Getting to 5.0
   a. Another sprint?
   b. Everyone commit to a ticket or two this week?
   c. 5.x Documentation Effort
      i. 5.x Documentation Updates matrix
   d. Ecosystem tools dependent on the release:
      i. java client
      ii. camel tool kit
      iii. fcrepo4-vagrant
      iv. import export tool
      v. api-x

4. [FCREPO-2604](https://fedora-initialjira.atlassian.net/secure/IssueView.jspa?issueKey=FCREPO-2604) - Assure that messages are emitted when required by the spec [CLOSED]:
   a. Are we comfortable with messages emitted?

5. ?

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>
<tbody>
<tr>
<td>FCREPO-3425</td>
<td>Fedora rdf types are not treated as managed</td>
<td>🚨 Sep 12, 2020</td>
<td>Sep 12, 2020</td>
<td></td>
<td></td>
<td>Unassigned</td>
<td>Peter Winckles</td>
<td>🖲️</td>
<td>RECEIVED</td>
<td>Unresolved</td>
</tr>
<tr>
<td>FCREP</td>
<td>Issue Description</td>
<td>Created</td>
<td>Updated</td>
<td>Assigned</td>
<td>Resolved</td>
<td>Status</td>
<td>Resolution</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>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>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>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>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>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>OPEN</td>
<td>Unresolved</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>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>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>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>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>O-3377</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>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>O-3374</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>Peter Winckles</td>
<td>OPEN</td>
<td>Unresolved</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>O-3374</td>
<td>Catch PersistentStorageExceptions</td>
<td>Jul 09, 2020</td>
<td>Aug 03, 2020</td>
<td>Unassigned</td>
<td>Andrew Woods</td>
<td>OPEN</td>
<td>Unresolved</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>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>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>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>
<td>OPEN</td>
<td>Unresolved</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>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>
<td>Unassigned</td>
<td>Danny Bernstein</td>
<td>OPEN</td>
<td>Unresolved</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>O-3256</td>
<td>Ghost nodes should be immutable</td>
<td>Mar 20, 2020</td>
<td>Jun 23, 2020</td>
<td>Unassigned</td>
<td>Andrew Woods</td>
<td>OPEN</td>
<td>Unresolved</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>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>
<td>OPEN</td>
<td>Unresolved</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>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>Unresolved</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>O-2263</td>
<td>Reserved Characters in fragments are encoded by UriBuilder</td>
<td>Oct 09, 2016</td>
<td>Nov 22, 2019</td>
<td>Unassigned</td>
<td>Christopher Johnson</td>
<td>OPEN</td>
<td>Unresolved</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
2. Tickets resolved 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>FCREP O-3431</td>
<td>Implement getChildren for FedoraResource</td>
<td>🔁</td>
<td>Sep 15, 2020</td>
<td>Sep 16, 2020</td>
<td>Ben Pennell</td>
<td>Ben Pennell</td>
<td>𝕚</td>
<td>CLOSED</td>
<td>Fixed</td>
<td></td>
</tr>
<tr>
<td>FCREP O-3429</td>
<td>Stop supporting sparql-update as a RDF format when creating resources.</td>
<td>🔁</td>
<td>Sep 15, 2020</td>
<td>Sep 16, 2020</td>
<td>Jared Whiklo</td>
<td>Jared Whiklo</td>
<td>𝕚</td>
<td>IN REVIEW</td>
<td>Ready for Test</td>
<td></td>
</tr>
<tr>
<td>FCREP O-3415</td>
<td>Improve application logging</td>
<td>🔁</td>
<td>Sep 09, 2020</td>
<td>Sep 10, 2020</td>
<td>Andrew Woods</td>
<td>Andrew Woods</td>
<td>𝕌</td>
<td>CLOSED</td>
<td>Fixed</td>
<td></td>
</tr>
<tr>
<td>FCREP O-3403</td>
<td>Refactor migration-utils to use fcrepo-storage-ocfl</td>
<td>🔁</td>
<td>Aug 27, 2020</td>
<td>Sep 16, 2020</td>
<td>Peter Winckles</td>
<td>Peter Winckles</td>
<td>𝕌</td>
<td>CLOSED</td>
<td>Fixed</td>
<td></td>
</tr>
<tr>
<td>FCREP O-3402</td>
<td>fedora6 migration-utils stops at bad internal fedora3 ID</td>
<td>🔁</td>
<td>Aug 27, 2020</td>
<td>Sep 16, 2020</td>
<td>Danny Bernstein</td>
<td>Calvin Xu</td>
<td>𝕚</td>
<td>IN REVIEW</td>
<td>Fixed</td>
<td></td>
</tr>
<tr>
<td>FCREP O-3393</td>
<td>Implement F5&gt;F6 Upgrade</td>
<td>🔁</td>
<td>Jul 28, 2020</td>
<td>Sep 12, 2020</td>
<td>Peter Winckles</td>
<td>Danny Bernstein</td>
<td>𝕕</td>
<td>IN REVIEW</td>
<td>Ready for Test</td>
<td></td>
</tr>
<tr>
<td>FCREP O-3321</td>
<td>WebACL for /rest/fcr:tx</td>
<td>🔁</td>
<td>May 21, 2020</td>
<td>Sep 11, 2020</td>
<td>Peter Eichman</td>
<td>Danny Bernstein</td>
<td>𝕐</td>
<td>CLOSED</td>
<td>Fixed</td>
<td></td>
</tr>
<tr>
<td>FCREP O-3269</td>
<td>NonRdfSource descriptions are missing triples</td>
<td>🔁</td>
<td>Apr 02, 2020</td>
<td>Sep 10, 2020</td>
<td>Jared Whiklo</td>
<td>Jared Whiklo</td>
<td>𝕐</td>
<td>CLOSED</td>
<td>Fixed</td>
<td></td>
</tr>
<tr>
<td>FCREP O-3037</td>
<td>Prefer header &quot; omit &quot; containing &quot; PreferMinimal Container &quot; URL not honored</td>
<td>🔁</td>
<td>Sep 06, 2019</td>
<td>Sep 11, 2020</td>
<td>Jared Whiklo</td>
<td>Bethany Seeger</td>
<td>𝕛</td>
<td>IN REVIEW</td>
<td>Ready for Test</td>
<td></td>
</tr>
</tbody>
</table>

9 issues

3. 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>FCREP O-3431</td>
<td>Implement getChildren for FedoraResource</td>
<td>🔁</td>
<td>Sep 15, 2020</td>
<td>Sep 16, 2020</td>
<td>Ben Pennell</td>
<td>Ben Pennell</td>
<td>𝕔</td>
<td>CLOSED</td>
<td>Fixed</td>
<td></td>
</tr>
</tbody>
</table>
Minutes

1. Sprint Summary
   a. Danny: Sprint successful. Closed 30 issues. 11 Participants. Major work to handling of binaries and their descriptions (overhaul really) – to their structure to support binary mementos. Still some small issue around deleting of mementos nevertheless on the verge of declaring victory after some additional testing. Congrats to Ben Pernell. Major overhaul to WebAC. WebAC piece ended up being bigger than expected, but hats off to Mohamed Mohideen Abdul Rasheed and Peter Eichman for this effort.
   b. Updates on
      i. External Content
         1. Bethany – Got tests passing and rebased. Working on getting binary memento tests to pass. Hope to have PR later today or tomorrow AM. Proxy and Copy should be covered. Versioning of external content: Has this scenario been addressed?
         2. Jared noted that one might version the metadata related to the External Content, but there was a general consensus that versioning content, proxied or otherwise, outside the repository was beyond the scope.
      ii. WebAC
         1. Peter - Major refactoring into shiro and out of modeshape and fedora authorization delegates. Intend to get back to a few of the remaining issues or get the code pushed up for someone else to bring to completion. Given how modeshape works, we will still need some implementation of an authorization provider for modeshape to set up the
security context for modeshape, despite the fact that we are not doing the authorization in modeshape, because
modeshape still needs to know “who” did something. Mohamed has some work on this started.

iii. Binary Versioning
   1. Work merged into ‘master’. Worked out separation of binary and description. With one command you can create
      a binary version and that automatically creates a version of the description. And then you can independently version
      them. Work is in a good place.

iv. CTS
   1. Danny – CTS is getting there. Should be in a good place by EOD to fix currently breaking tests, or to at least
      investigate the issues, and then it should be clear where to layer in the additional elements of the specification.
   2. Randall noted that it was initially difficult to translate written spec to a test, but newer patterns in CTS provides clearer
      path forward.

2. The fate of /fcr:fixity endpoint: should we continue to support it in 5.0?
   a. There was a question surrounding this in Slack, presumably because the interaction for the digest feature in 5.0 is entirely
      Header-based and the 4.0 /fcr:fixity endpoint is superfluous.
   b. In the end, there is a notional consensus to remove the /fcr:fixity endpoint, but we should send note out to the list asking for feedback.

3. Getting to 5.0
   a. Another sprint?
   b. Everyone commit to a ticket or two this week?
      i. Danny - https://jira.duraspace.org/browse/FCREPO-2275?filter=14401 Grab a ticket and let’s see if we can get ‘er done.
      ii. If above tickets were closed, we’d be in alignment with spec.
      iii. BUT definitely more work to do on Documentation and CTS.
   c. 5.x Documentation Effort
      i. 5.x Documentation Updates matrix
         1. Danny - Took every 5.x documentation page and set up a process around documentation review. Seemed
            straightforward and less arduous than using Jira for this. Put you name by a page and get crackin’.
         2. Kevin – If those who worked on specific elements of the API – fixity or versioning for example – could initially review
            the carried-over documentation that would be really helpful as those individuals will be most familiar with the new
            interaction patterns and/or API differences.
         3. Andrew – Perhaps if Peter and Mohammed could look at WebAC....
   d. Ecosystem tools dependent on the release:
      i. General agreement that a review of the existing ecosystem tools should be reviewed to determine whether there are any
         blockers or otherwise prioritize upgrading them.
      ii. Noted that there are unlikely to be any ‘blockers’ but emphasized that the community might identify a number of very-nice-to-
         haves.
      iii. Will take list to leadership group and community generally.
   iv. List
      1. java client
      2. camel tool kit
      3. fcrepo4-vagrant
      4. import export tool
      5. api-x
      6. fcrepo4-exts

4. FCREPO-2604 - Assure that messages are emitted when required by the spec: 
   a. Are we comfortable with messages emitted?
      i. TIME. Noted we need to talk about this but discussion postponed.

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
- **Bethany Seeger** Create tickets to test versioning and redirect/proxy.
- **Kevin Ford** Ask community about /fcr:fixity endpoint.
- **Danny Bernstein** Inquire with leadership group (and broader community?) about prioritizing ecosystem tools for alignment with 5.0.