2019-02-21 DSpace 7 Working Group Meeting

Date
21 Feb 2019 from 15:00-16:00 UTC

Location: https://duraspace.zoom.us/my/dspace (Meeting ID: 502 527 3040).

- More connection options available at DSpace Meeting Room

Agenda

- (15 mins) Developer Stand Up - Developers give brief updates on their effort (or their team's effort).
  - Update/see "Current Work" section below based on your status. Please feel free to update prior to meeting.
  - Please highlight any new work (needing reviews/testing), any blockers (for you), and any discussion topics you may have.
- (30 mins) General Discussion Topics
  1. Solr upgrade effort. When to merge? Once the initial Solr PR#2058 is merged, all developers will need to install/setup their development DSpace with an external Solr.
  2. Concurrency in DSpace 7 (or 8). What do we want to do when multiple editors are editing the same object?
     a. REST Contract notes on ETags: https://github.com/DSpace/Rest7Contract#etags--conditional-headers
     b. REST PATCH method also defines a "test" operation: https://tools.ietf.org/html/rfc6902#section-4.6, however we do not yet support it in the REST API
  3. DSpace 7 Preview Release (per Steering discussions yesterday) New deadline end of March (Beta before OR2019)
     a. Perform preview release on a separate branch (not master) to allow for code that is still undergoing final review? (proposed by Lieven & Pascal)
     b. Preview Release made available via Docker? (proposed by Pascal)
- (15 mins) Planning for next week
  - Assigning PRs for Review
  - Next tasks from Development Planning Spreadsheet

Attendees

- Art Lowel (Atmire)
- Andrea Bollini (4Science)
- Tim Donohue
- Lieven Droogmans
- Mark H. Wood
- Giuseppe Digilio (4Science)
- Ben Bosman
- Pascal-Nicolas Becker
- Chris Wilper
- Terrence W Brady
- Pablo Prieto
- Paulo Graça

Current Work

<table>
<thead>
<tr>
<th>Legend for status icons</th>
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<tr>
<td>✗ = review done (this week), changes were requested.</td>
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<tr>
<td>✔ = review done, approved.</td>
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<tr>
<td>⚠ = review done, merge conflict or other minor changes requests</td>
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Tickets / PRs In Progress

1. (Angular) Context sensitive admin menus (Art Lowel (Atmire)) (work in progress) (Timeline: Should be ready by Feb 28)
2. (Angular) Adding Accessibility via Travis CI https://github.com/DSpace/dspace-angular/pull/356 (work in progress) (Lower priority)
3. (Angular) MyDSpace UI (work in progress) (Timeline: Should be ready by Feb 28)
4. (REST Contract) Edit Homepage news: https://github.com/DSpace/DSpace/pull/2282 (changes requested. Implementation doesn't align with contract) (Timeline: Should be ready a week after the entities are merged)
5. (REST) MyDSpace Endpoint (Andrea Bollini (4Science)) - EARLY Reviews Needed. Reviewers: Ben Bosman, Tim Donohue (IT missings - previous Discover IT fixed) on the 4Science repo against the 2312 PR https://github.com/4Science/DSpace/pull/65 (Timeline: Should be ready by Feb 28)
6. (REST) Updating Owning Collections: https://github.com/DSpace/DSpace/pull/2283 (Kevin Van de Velde (Atmire)) (changes requested. Implementation doesn't align with contract) (Timeline: Should be ready a week after the entities are merged)
7. (REST) Item Mapper functionality: https://github.com/DSpace/DSpace/pull/2282 (Kevin Van de Velde (Atmire)) (changes requested. Implementation doesn't align with contract) (Timeline: Should be ready a week after the entities are merged)
8. (Backend) One Webapp Backend - Initial PR: https://github.com/DSpace/DSpace/pull/2265 (Tim Donohue) (work in progress)

PRs Needing Review

1. (REST Contract) Group and eperson management: https://github.com/DSpace/Rest7Contract/pull/41 (Andrea Bollini (4Science) - Reviewed & added questions/feedback, Tim Donohue - Reviewed & added questions/feedback)
2. (REST Contract) Endpoint for EPerson profile PATCH requests: https://github.com/DSpace/Rest7Contract/pull/49 (UPDATE PR - Andrea Bollini (4Science) minor changes requested, Paulo Graça minor changes requested)
3. (REST Contract) Metadata PATCH support: https://github.com/DSpace/Rest7Contract/pull/46 (Tim Donohue, Paulo Graça and Andrea Bollini (4Science))
4. (REST) Workflow Endpoint: https://github.com/DSpace/DSpace/pull/2312 (Tim Donohue, Ben Bosman Integration tests have been added, latest set to be added by the end of day Feb 21)
5. (REST) Metadata as a Map: https://github.com/DSpace/DSpace/pull/2287 (Approved / ready to be merged, should be merged same time as next PR #347)
6. (Angular) Metadata as a Map: https://github.com/DSpace/dspace-angular/pull/347 (Giuseppe Digilio (4Science) minor changes requested and implemented, Paulo Graça - approved)
7. (Angular) Modifying Metadata Registries: https://github.com/DSpace/dspace-angular/pull/355 (Paulo Graça - approved - new DS-4170 to address usability issues. Tim Donohue - minor changes requested)
8. (Angular) Submission implementation: https://github.com/DSpace/dspace-angular/pull/279 (Art Lowel (Atmire) , Paulo Graça , Tim Donohue all received suggestion applied, ready to be merged after approval)
10. (Angular) Browse by date and Starts-With component: https://github.com/DSpace/dspace-angular/pull/364 (Paulo Graça, Tim Donohue)
11. (Backend) Upgrading Solr Server for DSpace - Initial PR: https://github.com/DSpace/DSpace/pull/2058 (Terrence W Brady, Kim Shepherd, Art Lowel (Atmire))
   a. Might have an impact on MyDSpace PR (See "In Progress" section)?

PRs Merged this week!

1. (REST Contract) Mapping Collection: https://github.com/DSpace/Rest7Contract/pull/52
2. (REST) Manage Metadata Registry: https://github.com/DSpace/DSpace/pull/2291
3. (Angular) Browse-By links in NavBar & Pages: https://github.com/DSpace/dspace-angular/pull/360

BLOCKED

1. (REST) EPerson profile PATCH functionality: https://github.com/DSpace/DSpace/pull/2257
   a. Blocked by Contract #49
2. (Angular) Move Item Component: https://github.com/DSpace/dspace-angular/pull/335
   a. Blocked by DSpace PR#2283
3. (Angular) Item-Collection Mapper: https://github.com/DSpace/dspace-angular/pull/348
   a. Blocked by DSpace PR#2282

Delayed / Needs Discussion

1. (REST) Scripts & Processes endpoint: https://github.com/DSpace/Rest7Contract/pull/17
2. Discussion of deletion of EPeople for GDPR compliance (from Pascal)
   a. https://github.com/DSpace/DSpace/pull/2229. NOTE: item.getSubmitter() will return null if EPerson deleted.

Notes

- Discussion Topics
  - Tim notes that Heather Greer Klein will soon be joining the effort as a part-time DSpace 7 Product Manager (8 hours per week, until DSpace 7 is released). She'll help with planning tasks, liaison with Marketing, etc.
  - She's on vacation today, but hopefully she will be able to attend next week's meeting.
- Preview Release Discussion
  - Steering discussed yesterday and decided to move forward with Preview Release. It's an important deadline, both for marketing as well as for ensuring we're "on schedule" for OR2019.
  - Preview Release new deadline is end of March
  -Beta Release in time for OR2019.
  - Perform preview release on a separate branch (not master) to allow for code that is still undergoing final review?
    - Art: seems ok, but we need to be more conservative than we were before OR2018. Nothing could go on this branch that isn't nearly complete.
    - Andrea: Agrees with Art around OR2018 issues. Against this idea overall
    - This was discussed in Steering as a "backup plan". End goal is still to try and get everything on "master", but if we are running late, the decision becomes. Do we push back Preview Release again (has risk that we miss Beta by OR2019), or do we cut the release with some "partially reviewed" features/code?
    - Consensus: We cannot decide this today. Likely this needs to go to an email vote.
    - Not high priority as this is a backup plan, but we do need to have a backup plan if Preview Release deadline of end of March starts to "slip"?
- Solr Upgrade Discussion
  - When do we merge? The code passes all ITs and is in review stage. It will affect all developers, as they will need to install a separate Solr (Mark W notes that's not hard)
  - No user facing improvements though
  - Consensus: This is a "nice to have" for Preview Release, but not required. It's third priority behind Submission/Workflow & Configurable Entities. If it misses Preview (or cannot be tested sufficiently before then) we should merge this just after Preview
Concurrency in DSpace 7 (or 8). What do we want to do when multiple editors are editing the same object?

- Some implementation options on REST API side:
  - REST Contract notes on ETags: [https://github.com/DSpace/Rest7Contract#etags–conditional-headers](https://github.com/DSpace/Rest7Contract#etags–conditional-headers)
  - REST PATCH method also defines a "test" operation: [https://tools.ietf.org/html/rfc6902#section-4.6](https://tools.ietf.org/html/rfc6902#section-4.6), however we do not yet support it in the REST API.

- We don't have enough information to make a decision here. It sounds more and more like this might need to wait for DSpace 8 (low priority for DSpace 7). However, Atmire will analyze whether there is a "quick fix" or quick solution and report back.