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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<tbody>
<tr>
<td>blocked URL = review done (this week), changes were requested.</td>
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<tr>
<td>blocked URL = review done, approved.</td>
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<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/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)
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](https://github.com/DSpace/DSpace/pull/2265) (Tim Donohue) *(work in progress)*

### PRs Needing Review

1. **blocked URL** (REST Contract) Group and eperson management:  [https://github.com/DSpace/Rest7Contract/pull/41](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](https://github.com/DSpace/Rest7Contract/pull/49) *(Andrea Bollini)* *(4Science)* - minor changes requested, **Paulo Graça** *(minor changes requested)*
3. (REST Contract) Metadata PATCH support:  [https://github.com/DSpace/Rest7Contract/pull/46](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](https://github.com/DSpace/DSpace/pull/2312) *(Tim Donohue, Ben Bosman)* Integration tests have been added, latest set to be added by end of day Feb 21
5. **✔️** (REST) Metadata as a Map:  [https://github.com/DSpace/DSpace/pull/2287](https://github.com/DSpace/DSpace/pull/2287) *(Approved / ready to be merged, should be merged same time as next PR #347)*
6. **blocked URL** (Angular) Metadata as a Map:  [https://github.com/DSpace/dspace-angular/pull/347](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](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](https://github.com/DSpace/dspace-angular/pull/279) *(Art Lowel)* *(Atmire)* , **Paulo Graça** , **Tim Donohue** *(all received suggestions applied, ready to be merged after approval)*
9. (Angular) Administrative Item Edit:  [https://github.com/DSpace/dspace-angular/pull/362](https://github.com/DSpace/dspace-angular/pull/362) *(Paulo Graça, Tim Donohue)*
10. (Angular) Browse by date and Starts-With component:  [https://github.com/DSpace/dspace-angular/pull/364](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](https://github.com/DSpace/DSpace/pull/2058) *(Terrence W Brady, Kim Shepherd, Art Lowel)* *(Atmire)*

- 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](https://github.com/DSpace/Rest7Contract/pull/52)
2. **✔️** (REST) Manage Metadata Registry:  [https://github.com/DSpace/DSpace/pull/2291](https://github.com/DSpace/DSpace/pull/2291)
3. **blocked URL** (Angular) Browse-By links in NavBar & Pages:  [https://github.com/DSpace/dspace-angular/pull/360](https://github.com/DSpace/dspace-angular/pull/360)

### BLOCKED

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

### Delayed / Needs Discussion

1. (REST) Scripts & Processes endpoint:  [https://github.com/DSpace/Rest7Contract/pull/17](https://github.com/DSpace/Rest7Contract/pull/17)
2. Discussion of deletion of EPeople for GDPR compliance *(from Pascal)*
   - [https://github.com/DSpace/DSpace/pull/2229](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 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
  - 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

- 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.