2019-11-07 DSpace 7 Working Group Meeting

- **Date**
- **Agenda**
- **Attendees**
- **Current Work**
  - Tickets / PRs In Progress
  - PRs Needing Review
  - PRs Merged this week!
  - Blocked
  - Delayed / Needs Discussion
- **Notes**

**Date**

07 Nov 2019 from 15:00-16:00 UTC

**Location:** [https://lyrasis.zoom.us/my/dspace](https://lyrasis.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.*
- (30 mins) General Discussion Topics
  1. (Ongoing Topic) Any feedback to discuss around [REST Authorization](https://github.com/DSpace/dspace-angular/issues/368) from Andrea Bollini (4Science)?
  2. Reviewing & scoping tasks flagged as "NEEDS MORE INFO" in [Development Planning Spreadsheet](https://github.com/DSpace/dspace-angular/pull/356)

- (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
- Chris Wiper
- Paulo Graça
- Dimitris Pierrakos
- Julius Gruber
- Laura Henze

**Current Work**

<table>
<thead>
<tr>
<th>Legend for status icons</th>
</tr>
</thead>
<tbody>
<tr>
<td>🌟 = Highest Priority tasks (please prioritize these reviews/tasks over others). These are tasks with lots of dependencies</td>
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<tr>
<td>✗ = review done, changes were requested or bugs found.</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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<tr>
<td>1 APPROVAL = pull request only requires a single approval to merge. This is generally reserved for PRs which are either smaller, obvious, and/or bug fixes with tests to prove they work.</td>
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**Tickets / PRs In Progress**

1. (Angular) Adding Accessibility via Travis CI  [https://github.com/DSpace/dspace-angular/pull/356](https://github.com/DSpace/dspace-angular/pull/356) (work in progress) *(Lower priority)*

2. ⚠️ (Angular Bug)  [https://github.com/DSpace/dspace-angular/issues/368](https://github.com/DSpace/dspace-angular/issues/368) *(Art Lowel (Atmire))*
3. (REST Contract) Edit Homepage news: https://github.com/DSpace/Rest7Contract/pull/45 (Ben Bosman - has outstanding questions/comments) (Lower priority)
4. (REST) DS-4043: Revisit the security layer of the submission (work in progress) Andrea Bollini (4Science)
5. (REST) Pagination bug with withdrawn items: https://github.com/DSpace/DSpace/pull/2406 (Dimitris Pierrakos, Ben Bosman - Feedback provided)
6. (REST Contract) ResourcePolicy endpoint - coming before next meeting

PRs Needing Review
1. (REST Contract) Group and eperson management: https://github.com/DSpace/Rest7Contract/pull/41 (Tim Donohue - feedback provided, Andrea Bollini (4Science) - feedback provided)
2. (NEW) (REST Contract) for resourcepolicies: https://github.com/DSpace/Rest7Contract/pull/87 (Ben Bosman, Tim Donohue - minor feedback provided)
3. (REST) Scripts and processes endpoint https://github.com/DSpace/DSpace/pull/2529 FEEDBACK HAS BEEN PROCESSED (Tim Donohue - concerns about creating a lot of new Controllers, Dimitris Pierrakos) - Was reviewed by Ben Bosman internally.
4. (REST) Ds 4317 bundles in rest https://github.com/DSpace/DSpace/pull/2548 (Ben Bosman, Tim Donohue - concerns about creating a lot of new Controllers, Chris Wilper)
   a. Also requires PR#509 (Angular), otherwise Angular demo will break
5. (REST) (HIGH PRIORITY) REST Projections initial PR: https://github.com/DSpace/DSpace/pull/2547 (Andrea Bollini (4Science), Ben Bosman, Tim Donohue)
6. (REST) Ds 4358 tests in modules https://github.com/DSpace/DSpace/pull/2553 (1 APPROVAL, Tim Donohue) (MERGE IMMEDIATELY)
7. (REST) CRUD on Collection & Community logo https://github.com/DSpace/DSpace/pull/2562 (1 APPROVAL, Chris Wilper, Tim Donohue) (QUICK REVIEW & MERGE IMMEDIATELY)
8. (Angular) Shibboleth integration support: https://github.com/DSpace/dspace-angular/pull/429 (Giuseppe Digilio (4Science) reviewed again fixed error with yarn start, Fernando FCT/FCN, Paulo Graça - feedback provided)
9. (Angular) forceBypassCache should be removed from the RequestService: https://github.com/DSpace/dspace-angular/pull/468 (Art Lowel (Atmire) - approved again. Giuseppe Digilio (4Science) approved)
10. (Angular) Routing by handle and uuid: https://github.com/DSpace/dspace-angular/pull/490 (Art Lowel (Atmire), Giuseppe Digilio (4Science) approved, Tim Donohue, Andrea Bollini (4Science) - might be able to help with pid endpoint)
11. (Angular) Tracking stats from the UI https://github.com/DSpace/dspace-angular/pull/495 (Tim Donohue, Paulo Graça)
12. (HIGH PRIORITY) Refactor object lists https://github.com/DSpace/dspace-angular/pull/497 (Giuseppe Digilio (4Science) changes requested, Tim Donohue)
14. (Angular) (HIGH PRIORITY) 18n sync script https://github.com/DSpace/dspace-angular/pull/504 (1 APPROVAL, Giuseppe Digilio (4Science), Tim Donohue)
16. (NEW) (Angular) Refactor Submission Parsers (HIGH PRIORITY) https://github.com/DSpace/dspace-angular/pull/508 (Giuseppe Digilio (4Science), Tim Donohue)
17. (NEW) (Angular) Add support for bundles https://github.com/DSpace/dspace-angular/pull/509 (NEEDS REVIEWERS)
a. Depends on PR#2548 (REST API)
18. (Backend) dspace.bat file: https://github.com/DSpace/DSpace/pull/2544 (1 APPROVAL, Tim Donohue - will test on Windows, Alexander Sulfrian, Chris Wilper, Andrea Bollini (4Science) - will test on linux)

PRs Merged this week!
1. ✔️ (REST Contract) bundle DELETE contract https://github.com/DSpace/Rest7Contract/pull/86
2. ✔️ (REST) DS-4337 implement bitstream-bitstreamformat relation endpoints https://github.com/DSpace/DSpace/pull/2503

Blocked
1. (Blocked PRs go here)

Delayed / Needs Discussion
1. Managing Authorization Info in Angular UI: How to pass Authorization rights (i.e. logged in user's access rights) from REST API to Angular? See for example: https://github.com/DSpace/dspace-angular/issues/393
   a. Can this be achieved via passed HAL "links" (e.g. the existence of an "edit" link in REST response means you must have Edit rights)?
   b. In July 25 meeting, we noted this probably cannot be resolved with just one simple solution. May need to look at different options for different scenarios
   i. Also likely to need to store/cache a user's Groups in UI layer, as some areas (e.g. Administrative) require knowledge of user group membership
   ii. Andrea Bollini (4Science) has investigated on that and created the following resources/proposals:
   iii. REST Authorization
   iv. https://github.com/DSpace/Rest7Contract/pull/87
   v. https://github.com/4Science/Rest7Contract/pull/1
2. REST API Projections: DS-3533 - Getting issue details...
   Status
   a. Work begun in https://github.com/DSpace/DSpace/pull/2547 (by Chris Wilper)
   b. Based on detail discussions in our Oct 17 meeting.
   c. Outdated Early work begun at https://github.com/DSpace/DSpace/pull/1847. Discussed in more detail in our Aug 22 meeting. Overall, this approach seems like a good direction, need volunteers to move it forward.
   c. https://github.com/DSpace/DSpace/pull/2406 (discussion resumed by Andrea Bollini (4Science) could be relevant for the projection)
3. Initial Performance Testing from Chris.

   a. Delayed until after Preview release. General agreement (in meeting on March 21, 2019) that storing HTML in metadata fields is not really ideal behavior. Metadata (from a librarian standpoint) tends to be free of format-related markup (as that allows for easier sharing, understanding of metadata. Currently Community & Collection homepage information is HTML-based and is stored in metadata that is appropriate for a minor subset of information (like the title) but it is better to move large/rich text to bitstreams.
   b. Proposal here is to consider storing HTML-based markup (for Site, Community & Collection homepages) in Bitstream(s) associated with the object in question. May allow for more CMS-lite behavior in the future
   c. Timeline for this is uncertain. Possibly in 7 or 8. May depend on how/whether it can be scoped.

5. Concurrency in DSpace 7 (or 8). What do we want to do when multiple editors are editing the same object? Needs further analysis regarding implementation details
   a. We've decided (in meeting on March 7, 2019) to use ETags to implement concurrency. REST Contract notes on ETags: https://github.com/DSpace/Rest7Contract#etags--conditional-headers
   b. ETags only update of the two fields match. If someone edits first, your edit would fail and you would get a fail response (422?)
   c. ETags seems to have broader support in other REST APIs. Recommended also by both Art and Andrea.

Notes