2019-12-12 DSpace 7 Working Group Meeting

Date
12 Dec 2019 from 15:00-16:00 UTC

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

More connection options available at DSpace Meeting Room.

Agenda

1. (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.
2. (30 mins) General Discussion Topics
   1. Updates on 7.0 Release Schedule from Leadership & Steering (if any)
   2. (Other Topics?)
3. (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 Wilper
- Paulo Graça
- Dimitris Pierrakos
- Julius Gruber
- Laura Henze
- Pascal-Nicolas Becker

Current Work

Legend for status icons

🌟 = Highest Priority tasks (please prioritize these reviews/tasks over others). These are tasks with lots of dependencies
❌ = review done, changes were requested or bugs found.
✔️ = review done, approved.
⚠️ = review done, merge conflict or other minor changes requests
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.

Tickets / PRs In Progress

1. (Angular) Adding Accessibility via Travis CI https://github.com/DSpace/dspace-angular/pull/356 (work in progress) (Lower priority)
2. ⚠️ (Angular Bug) 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 (REST) Pagination bug with withdrawn items: https://github.com/DSpace/DSpace/pull/2406 (Dimitris Pierrakos, Ben Bosman - feedback provided)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) Update to JDK 11: https://github.com/DSpace/DSpace/pull/2611
7. (REST) Projections continued: https://github.com/DSpace/DSpace/pull/2625

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)
5. (REST) REST endpoint for discovering withdrawn and private items. https://github.com/DSpace/DSpace/pull/2580 (Tim Donohue - REREVIEW, Ben Bosman)
6. (REST) Initial Implementation of Resource Policies endpoint: https://github.com/DSpace/DSpace/pull/2604 (Ben Bosman, Tim Donohue - REREVIEW, Andrea Bollini (4Science))
7. (REST) Small Bitstore fix to work correctly with multiple stores: https://github.com/DSpace/DSpace/pull/2597  
8. (REST) DS-4287 Refactoring the IndexableObject & SolrServiceImpl https://github.com/DSpace/DSpace/pull/2612 (Ben Bosman, Tim Donohue)
9. (NEW) (REST) Ds 4351 upgrade dependencies https://github.com/DSpace/DSpace/pull/2613 (Tim Donohue, Chris Wilper)
10. (Angular) Improving patch system framework Part 1 https://github.com/DSpace/DSpace/pull/2591 (Andrea Bollini (4Science), Tim Donohue - REREVIEW, Michael Spalti)
11. (Angular) Add/Edit Community and Collection Logos https://github.com/DSpace/DSpace/pull/512 (Art Lowel (Atmire) - Tim Donohue - reviewed again, works but has usability issues)
12. (Backend) dspace.bat file: https://github.com/DSpace/DSpace/pull/2544  
13. (NEW) (Backend) DS-4393 Discovery clean index fix https://github.com/DSpace/DSpace/pull/2607  

PRs Merged this week!

2. 🟢 (REST) Ds 4317 bundles in rest continued https://github.com/DSpace/DSpace/pull/2600
3. 🟢 (Angular) DS-4317 Fix for minor edit metadata bug https://github.com/DSpace/DSpace-angular/pull/537
4. 🟢 (Angular) Add community & collection tree https://github.com/DSpace/DSpace-angular/pull/505

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. 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
   b. Work is ongoing, but has been started in these areas:
      i. Summary of ideas: REST Authorization
      ii. Contract for Authorization Endpoints: https://github.com/DSpace/Rest7Contract/pull/92
2. REST API Projections:
   a. Work begun in https://github.com/DSpace/DSpace/pull/2547 (by Chris Wilper)
   b. Based on detailed 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.
3. Initial Performance Testing from Chris.
   a. Delayed. 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