2019-06-06 DSpace 7 Working Group Meeting

Date
06 Jun 2019 from 14:00-15:00 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.
• (15 mins) Planning for next week
  • Assigning PRs for Review
  • Next tasks from Development Planning Spreadsheet
• (30 mins) General Discussion Topics
  1. OR2019 Final Planning. OR is next week, any final prep necessary?
     a. Reminder: No meeting on June 13th. Will return on June 20th.
  2. Improved Estimation Strategy for Beta release. (Estimates should include time for discussion / code reviews, also should be done by multiple developers)
     a. Development Planning Spreadsheet needs to be updated, so that we can determine what (outstanding) tasks need estimation.
     b. Will be using Wideband Delphi estimation technique

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

Current Work

Legend for status icons

🌟 = Highest Priority tasks (please prioritize these reviews/tasks over others). Currently this lists tasks/features that need to be completed for Preview Release.
🌟 = Priority for OR2019 (Preview #2 Release).
❌ = review done (this week), changes were requested.
✔️ = review done, approved.
⚠️ = review done, merge conflict or other minor changes requests
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/DSpace/Rest7Contract/pull/45](https://github.com/DSpace/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): Bitstream format registry: [https://github.com/DSpace/DSpace/pull/2442](https://github.com/DSpace/DSpace/pull/2442) (Kevin Van de Velde (Atmire))
6. (REST Contract) Group and eperson management: [https://github.com/DSpace/Rest7Contract/pull/41](https://github.com/DSpace/Rest7Contract/pull/41) (Waiting on updates from Ben Bosman)
7. (REST) Pagination issues on Items findAll - [https://github.com/DSpace/DSpace/pull/2406](https://github.com/DSpace/DSpace/pull/2406) (Waiting on updates from Andrea Bollini (4Science))
8. (Backend) DS-4257: Renaming "dspace-spring-rest" to "dspace-server" (Tim Donohue). (Timeline: Not likely to be completed until after OR2019)

PRs Needing Review

1. (REST Contract) PUT contract in relationships: [https://github.com/DSpace/DSpace/Rest7Contract/pull/60](https://github.com/DSpace/DSpace/Rest7Contract/pull/60) (Tim Donohue, Paulo Graça)
2. (REST) Refactor PatchBadRequestException to DSpaceBadRequestException and fix improper 500 response errors: [https://github.com/DSpace/DSpace/pull/2403](https://github.com/DSpace/DSpace/pull/2403) (Paulo Graça, Andrea Bollini (4Science))
3. (Fix after OR2019) (REST) DS-4210 Deposit on collection without workflow seems to fail (405 but succeed) (work in progress - Needs support on identify failure on the test env will be appreciated): [https://github.com/DSpace/DSpace/pull/2429](https://github.com/DSpace/DSpace/pull/2429) (Chris Wilper)
4. (REST) Updating Owning Collections (Moving Items between collections): [https://github.com/DSpace/DSpace/pull/2283](https://github.com/DSpace/DSpace/pull/2283) (Tim Donohue, Ben Bosman)
5. (REST) Item Mapper functionality: [https://github.com/DSpace/DSpace/pull/2282](https://github.com/DSpace/DSpace/pull/2282) (Tim Donohue, Ben Bosman)
6. (REST) PUT contract in relationships: [https://github.com/DSpace/DSpace/pull/2440](https://github.com/DSpace/DSpace/pull/2440) (related to Contract PR#60) (Paulo Graça, Tim Donohue)
7. (Talk more after OR2019) (Angular) Transfer to .po message format - Initial PR: [https://github.com/DSpace/dspace-angular/pull/366](https://github.com/DSpace/dspace-angular/pull/366) (Paulo Graça, Tim Donohue, Art Lowel (Atmire))
8. (Angular) Deleting relationships: [https://github.com/DSpace/dspace-angular/pull/402](https://github.com/DSpace/dspace-angular/pull/402) (Paulo Graça, Tim Donohue)
9. (Angular) Switch to using HAL links for entity relationships [https://github.com/DSpace/dspace-angular/pull/408](https://github.com/DSpace/dspace-angular/pull/408) (Dependent on PR#401) (Paulo Graça, Tim Donohue)
10. (Angular) HIGH PRIORITY: [https://github.com/DSpace/dspace-angular/pull/418](https://github.com/DSpace/dspace-angular/pull/418) (Art Lowel (Atmire) - merge after reviewed)
11. (Angular) Selectable Themes. [https://github.com/DSpace/dspace-angular/pull/419](https://github.com/DSpace/dspace-angular/pull/419) (Paulo Graça, Tim Donohue)
12. (Backend) Upgrading to Handle Server v9: [https://github.com/DSpace/DSpace/pull/2394](https://github.com/DSpace/DSpace/pull/2394) (Mark H. Wood, Ben Bosman)
13. (Backend) Our extensive EHCache configuration is ignored: [https://github.com/DSpace/DSpace/pull/2397](https://github.com/DSpace/DSpace/pull/2397) (Terrence W Brady, Tim Donohue, Chris Wilper)
14. (Backend) Minor dependency updates to "master": [https://github.com/DSpace/DSpace/pull/2425](https://github.com/DSpace/DSpace/pull/2425) (Mark H. Wood, Chris Wilper)
15. (Backend) Update email templates to use Velocity (for richer, powerful templates): [https://github.com/DSpace/DSpace/pull/1992](https://github.com/DSpace/DSpace/pull/1992) (Chris Wilper, NE EDS SECOND REVIEWER)

PRs Merged this week!

1. ✔️ (REST Contract) Bitstream formats: [https://github.com/DSpace/Rest7Contract/pull/59](https://github.com/DSpace/Rest7Contract/pull/59)
2. ✔️ (Angular) Fix fixed filters issue [https://github.com/DSpace/dspace-angular/pull/407](https://github.com/DSpace/dspace-angular/pull/407)
3. ✔️ (Angular) Group entity types together: [https://github.com/DSpace/dspace-angular/pull/401](https://github.com/DSpace/dspace-angular/pull/401)
5. ✔️ (Backend) Make hard-coded list of metadata registry files configurable: [https://github.com/DSpace/DSpace/pull/2116](https://github.com/DSpace/DSpace/pull/2116); keep in mind this contains a minor config change

BLOCKED

1. (Angular) Move Item Component: [https://github.com/DSpace/dspace-angular/pull/335](https://github.com/DSpace/dspace-angular/pull/335)
   a. Blocked by DSpace PR#2283
2. (Angular) Item-Collection Mapper: [https://github.com/DSpace/dspace-angular/pull/348](https://github.com/DSpace/dspace-angular/pull/348)
   a. Blocked by DSpace PR#2282

Delayed

1. (REST Contract) Edit Homepage News: [https://github.com/DSpace/Rest7Contract/pull/45](https://github.com/DSpace/Rest7Contract/pull/45)
   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-rich behavior in the future.
   c. Timeline for this is uncertain. Possibly in 7 or 8. May depend on how/whether it can be scoped.
2. (REST) Scripts & Processes endpoint: [https://github.com/DSpace/Rest7Contract/pull/17](https://github.com/DSpace/Rest7Contract/pull/17)
3. 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](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.

Priorities for Preview Release
As discussed in previous DSpace 7 meetings, our DSpace 7 Preview release is aimed for early May, followed by a Preview #2 in May (before OR2019). The top priorities for the Preview Release are (in this order):

1. Submission & Workflow UI / backend
2. Configurable Entities (from DSpace 7 Entities Working Group)
3. Upgrading Solr Server for DSpace (not required for Preview, as there's no user facing features. However, the earlier we feel comfortable merging this effort the better)

Priorities for OR2019 revolve around features or needs that we want to show off in Workshops/Presentations. These include

1. Finalizing theming/branding strategy for new UI
2. DSpace Backend as One Webapp
3. Finalizing (as much as reasonable) the upgrade process (including Solr, Handle Server, etc)

Notes

- Initial Performance Testing from Chris
  - https://cwilper.github.io/dspace-perftest/
- Travis CI + Docker Compose for testing of Angular
  - Docs: https://docs.travis-ci.com/user/docker/#using-docker-compose
  - Blogpost on how to do it: http://elliot.land/post/using-docker-compose-on-travis-ci
  - An example travis.yml file: https://github.com/Ortus-Solutions/docker-buildfiles/blob/master/.travis.example.yml