2019-08-15 DSpace 7 Working Group Meeting

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Date
NO MEETING ON August 15. Instead, all developers please update your status in the "Current Work" section below! Feel free to add PRs needing attention/review, etc. We will next meet on Thursday, August 22.

Attendees

- Art Lowel (Atmire)
- Andrea Bollini (4Science)
- Tim Donohue - Out Aug 12-13 and 16-20
- Heather Greer Klein
- Lieve Droogmans
- Mark H. Wood
- Giuseppe Digilio (4Science) - Out on Aug 8 and 15
- Ben Bosman
- Pascal-Nicolas Becker
- Chris Wiper
- Terrence W Brady
- Paulo Graça
- Dimitris Pierrakos - Out of the office until Aug 19
- Julius Gruber
- Laura Henze

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.

Blocked URL = review done (this week), changes were requested.

⚠️ = review done, merge conflict or other minor changes requested.

Tickets / PRs In Progress

1. (Angular) Adding Accessibility via Travis CI  [https://github.com/DSpace/dspace-angular/pull/366](https://github.com/DSpace/dspace-angular/pull/366) (work in progress) (Lower priority)
2. (REST) Collecting statistics - [https://github.com/DSpace/DSpace2/pull/368](https://github.com/DSpace/DSpace2/pull/368) (Art Lowel (Atmire))
3. (REST Contract) Collecting statistics - [https://github.com/DSpace/DSpace2/pull/368](https://github.com/DSpace/DSpace2/pull/368) (Art Lowel (Atmire))
4. (REST) DS-4043: Revisit the security layer of the submission (work in progress) Andrea Bollini (4Science)
5. (REST Contract) Group and eperson management: [https://github.com/DSpace/DSpace2/pull/41](https://github.com/DSpace/DSpace2/pull/41) (Waiting on updates from Ben Bosman)

PRs Needing Review

1. (REST Contract) Collecting statistics - [https://github.com/DSpace/DSpace2/pull/63](https://github.com/DSpace/DSpace2/pull/63) (Dimitris Pierrakos, Andrea Bollini (4Science) blocked URL Feedback provided, Ben Bosman, Tim Donohue)
2. (REST Contract) Update bitstream properties and format [https://github.com/DSpace/DSpace2/pull/68](https://github.com/DSpace/DSpace2/pull/68) (Tim Donohue, Andrea Bollini (4Science) blocked URL Feedback provided)
3. (NEW) (REST Contract) DS-4317 bundles in REST [https://github.com/DSpace/DSpace2/pull/71](https://github.com/DSpace/DSpace2/pull/71)
4. (NEW) (REST Contract) upload bitstream to archived item - update [https://github.com/DSpace/DSpace2/pull/71](https://github.com/DSpace/DSpace2/pull/71) (Dimitris Pierrakos, Ben Bosman - Feedback provided)
5. (REST) Pagination bug with withdrawn items: [https://github.com/DSpace/DSpace2/pull/2406](https://github.com/DSpace/DSpace2/pull/2406) (Dimitris Pierrakos , Ben Bosman - Feedback provided)
6. (REST) implement upload bitstream to archived item [https://github.com/DSpace/DSpace2/pull/2473](https://github.com/DSpace/DSpace2/pull/2473) (Tim Donohue - Feedback provided, Andrea Bollini (4Science)- blocked URL Feedback provided)
7. **(NEW) (REST)** issue when community has multiple dc.title values https://github.com/DSpace/DSpace/pull/2486 (Tim Donohue, **NEEDS SECOND REVIEWER**)

8. (Angular) (Entities) Deleting relationships: https://github.com/DSpace/dspace-angular/pull/402 (Paulo Graça - will test again, Tim Donohue )

9. (Angular) Move Item Component: https://github.com/DSpace/dspace-angular/pull/335 (Giuseppe Digilio (4Science) reviewed and provided feedback, Tim Donohue - Feedback provided)

10. (Angular) Item-Collection Mapper: https://github.com/DSpace/dspace-angular/pull/348 (Tim Donohue - Feedback provided, **NEEDS SECOND REVIEWER**)

11. (Angular) Shibboleth integration support: https://github.com/DSpace/dspace-angular/pull/429 (Julius running into an error with 'yarn start' only) (Giuseppe Digilio (4Science) feedback provided, Fernando FCT/FCCN, Paulo Graça )

12. (Angular) Submission Miscellaneous fixes: https://github.com/DSpace/dspace-angular/pull/432 (Art Lowel (Atmire) will re-review, Julius Gruber )

13. (Angular) UI Language Cookie https://github.com/DSpace/dspace-angular/pull/443 (Tim Donohue, Paulo Graça)

14. (Updated) (Angular) Convert i18n files to JSON5 format https://github.com/DSpace/dspace-angular/pull/439 (Tim Donohue, **NEEDS SECOND REVIEWER**)

15. (NEW) (Angular) Search Performance optimizations #2 https://github.com/DSpace/dspace-angular/pull/437 (NEEDS REVIEWERS)

16. (NEW) (Angular) bitstream format registries https://github.com/DSpace/dspace-angular/pull/455 (Tim Donohue, Art Lowel (Atmire) blocked URL reviewed and provided feedback)

17. Indirect entity refs during CSV import https://github.com/DSpace/DSpace/pull/2471 (Ben Bosman, Tim Donohue )

18. (Backend) Solr 7 fixes for upgrading to DSpace 7 https://github.com/DSpace/DSpace/pull/2393 (NEEDS REVIEWERS)

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**PRs Merged this week!**

1. **(Angular)** Disable e2e tests in travis https://github.com/DSpace/dspace-angular/pull/454
2. **(Angular)** flatten i18n files https://github.com/DSpace/dspace-angular/pull/457
3. **(Angular)** Edit current item query https://github.com/DSpace/dspace-angular/pull/440

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**Blocked**

1. (Blocked PRs go here)

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**Delayed / Needs Discussion**

1. **(REST) Scripts & Processes endpoint**: https://github.com/DSpace/Rest7Contract/pull/17
   a. How do we move this forward? In our Jan 24 meeting, Tim noted a risk of "scope creep" with this feature suggestion. This idea has been tabled since then.
   b. In July 25 meeting, Atmire said they'd come back with notes on the proposed backend implementation.

2. **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


   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.

6. Not discussed much, but could there be opportunities to use 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

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**Notes**