

2019-07-18 DSpace 7 Working Group Meeting

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Date

18 Jul 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.
- (30 mins) General Discussion Topics
 1. Overview/Discussion of initial DSpace 7 Performance Testing by [Chris Wilper](#) : <https://cwilper.github.io/dspace-perftest/>
 2. Redesign of Community/Collection homepages by [Laura Henze](#): <https://github.com/DSpace/dspace-angular/issues/365>
 - a. [See: Community page mockups](#)
 3. 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](#)
- (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](#)
- [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).

[blocked URL](#) = review done (this week), changes were requested.

[blocked URL](#) = 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> (work in progress) (Lower priority)
2. **blocked URL** (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. **blocked URL** (REST Contract) Group and eperson management: <https://github.com/DSpace/Rest7Contract/pull/41> (Waiting on updates from Ben Bosman)
6. **blocked URL** (REST) Pagination issues on Items findAll - <https://github.com/DSpace/DSpace/pull/2406> (Waiting for confirmation of proposed approach by Andrea Bollini (4Science) from Kevin Van de Velde (Atmire) and any other interested/available)
7. (Backend) **DS-4257**: Renaming "dspace-spring-rest" to "dspace-server" (Tim Donohue). (Timeline: Not likely to be completed until after OR2019)
8. (Angular) Transfer to .po message format - Initial PR: <https://github.com/DSpace/dspace-angular/pull/366> (Paulo Graça **blocked URL**, **blocked URL** Tim Donohue , Art Lowel (Atmire))

PRs Needing Review

1. (REST Contract) Collecting statistics - <https://github.com/DSpace/Rest7Contract/pull/63> (Dimitris Pierrakos, Andrea Bollini (4Science) -  change s requested, Ben Bosman)
2. **(NEW)** (REST Contract) OAI Harvesting configuration - <https://github.com/DSpace/Rest7Contract/pull/66> (Paulo Graça, Tim Donohue)
3. (REST) Item Mapper functionality: <https://github.com/DSpace/DSpace/pull/2282> (**blocked URL** Tim Donohue , **blocked URL** Ben Bosman - merge conflicts resolved)
4. **(Higher priority)** (REST) [DS-4266] bitstream format registry <https://github.com/DSpace/DSpace/pull/2442> (**blocked URL** Ben Bosman, Andrea Bollini (4Science) - ), **merged during the meeting**
5. (REST) Pagination bug with withdrawn items: <https://github.com/DSpace/DSpace/pull/2406> (Dimitris Pierrakos , Ben Bosman - Feedback provided)
6. (Angular) (Entities) Deleting relationships: <https://github.com/DSpace/dspace-angular/pull/402> (Paulo Graça - will test again, Tim Donohue)
7. (Angular) Move Item Component: <https://github.com/DSpace/dspace-angular/pull/335> (Giuseppe Digilio (4Science) reviewed and provided feedback, Tim Donohue)
8. (Angular) Item-Collection Mapper: <https://github.com/DSpace/dspace-angular/pull/348> (**NEEDS REVIEWERS**)
9. (Angular) Add missing ResourcePolicyService: <https://github.com/DSpace/dspace-angular/pull/427> (Giuseppe Digilio (4Science) **blocked URL** app roved, Art Lowel (Atmire))
10. (Angular) Shibboleth integration support (**WORK IN PROGRESS**): <https://github.com/DSpace/dspace-angular/pull/429> (**Julius has updated the PR. Ready for RE-REVIEW**) (Giuseppe Digilio (4Science), Fernando FCT/FCCN, Paulo Graça)
 - a. 4Science will enable Shibboleth on public demo.
11. **(NEW)** (Angular) Submission Miscellaneous fixes: <https://github.com/DSpace/dspace-angular/pull/432> (Art Lowel (Atmire), Julius Gruber)
12. **(NEW)** (Angular) Replace model factories <https://github.com/DSpace/dspace-angular/pull/434> (Tim Donohue, Giuseppe Digilio (4Science))
13. (Backend) Upgrading to Handle Server v9: <https://github.com/DSpace/DSpace/pull/2394> (Mark H. Wood, **blocked URL** Ben Bosman)
14. (Backend) Update email templates to use Velocity (for richer, powerful templates): <https://github.com/DSpace/DSpace/pull/1992> (Chris Wilper , , Tim Donohue, Art Lowel (Atmire) - reviewed, provided feedback)
15. **(Week of July 22)** (Backend) One Webapp Phase 2: Rename "dspace-spring-rest" to "dspace-server-webapp": <https://github.com/DSpace/DSpace/pull/2459> (Mark H. Wood, Alexander Sulfrian, Terrence W Brady)

PRs Merged this week!

1.  (REST) [DS-4298] changed the PathVariable for the upload method: <https://github.com/DSpace/DSpace/pull/2467>
2.  (REST) (Entities) DS-4223 Metadata Schemas for configurable entities <https://github.com/DSpace/DSpace/pull/2443>
3.  (REST) [DS-4266] bitstream format registry <https://github.com/DSpace/DSpace/pull/2442>
4.  (Angular) (Entities) DS-4223 Metadata Schemas for configurable entities <https://github.com/DSpace/dspace-angular/pull/420>
5.  (Angular) Configurable browse-by <https://github.com/DSpace/dspace-angular/pull/421> (closes #361)
6. **blocked URL** (Angular) Selectable Themes. <https://github.com/DSpace/dspace-angular/pull/419>

Blocked

1. (Blocked PRs go here)

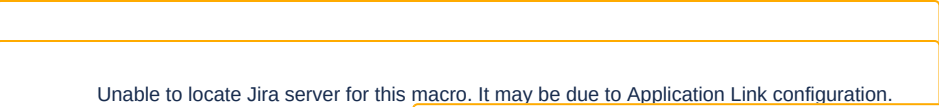
Delayed / Needs Discussion

1. Initial Performance Testing from Chris.
 - <https://cwilper.github.io/dspace-perftest/>
2. (REST Contract) Edit Homepage News: <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-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.
3. (REST) Scripts & Processes endpoint: <https://github.com/DSpace/Rest7Contract/pull/17>
4. 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.

5. 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://elliott.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>

Notes

- Chris walked us through early performance testing results at <https://cwilper.github.io/dspace-perftest/>
 - Test data set & more info is at: [DSpace 7 Performance Testing](#)
 - A few areas that need work were called out:
 - Top Communities list on homepage takes over 2 seconds, see this table: <https://cwilper.github.io/dspace-perftest/report/2019-06-04/7.0-preview-1/details-big#big-a-home-requests>
 - Browse By Title with lots of larger bitstreams takes forever (26+ seconds), see this table: <https://cwilper.github.io/dspace-perftest/report/2019-06-04/7.0-preview-1/details-browse>
 - **TODO: CREATE TICKETS** for both of these specific performance issues, as they seem high priority
 - UPDATE
 - 
 - Unable to locate Jira server for this macro. It may be due to Application Link configuration.
 - Ideally, all REST c
 -  section discussions, see  Unable to locate Jira server for this macro. It may be due to Application Link configuration.
 -  what info is returned per request. This could speed up individual queries significantly, as often the OI doesn't need **all metadata** or **all bitstreams**... but currently all queries return a lot of embedded content, etc.
 - Need to revisit Projections in light of these results
 - Lots of suggestions for future performance testing areas (to enhance future data sets, testing points)
 - Testing performance from an SEO perspective (tests that act as a web crawler)
 - Testing performance of Entities (e.g. an article with many authors, or an person with many articles). Paulo mentioned he has some real life data that could be used here
 - Additional suggestions should be added to Wiki page at [DSpace 7 Performance Testing](#)
- Laura briefly overviewed her design proposal for Community pages:
 - [See: Community page mockups](#)
 - Designs were based on local user feedback at NYU
 - Discussion here was limited (as first topic ran long). However, all are encouraged to bring these designs back to your institution for feedback/analysis. Also looking for additional "Design objectives" (based on other local user testing).
 - **REVISIT in meeting on August 1** (in two weeks, because Laura is out next week). This topic will be first on the agenda that week.