

2019-09-12 DSpace 7 Working Group Meeting

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Date

12 Sep 2019 from [14:00-15:00 UTC](#)

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

- More connection options available at [DSpace Meeting Room](#)

Agenda

Tim is unavailable for this meeting (attending a LYRASIS staff retreat from Sept 9-12). So, the concentration of the meeting is just a walkthrough / early discussion of the "Scripts & Processes" proof-of concept work from Atmire (see agenda below). If time is available, you are also welcome to do the normal "stand-up" and/or PR assignment tasks.

- (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. "Scripts & Processes" endpoint proposal / proof-of-concept
 - a. Original REST Contract PR: <https://github.com/DSpace/Rest7Contract/pull/17>
 - b. Atmire implementation proposal (to refactor ~6 scripts initially for DSpace v7): <https://gist.github.com/benbosman/b2388ef670ddf8b8819720b04bcebd59>
- (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 \(Out of office Sept 9-12\)](#)
- [Heather Greer Klein \(Out of office Sept 9-12\)](#)
- [Lieven Droogmans](#)
- [Mark H. Wood](#)
- [Giuseppe Digilio \(4Science\)](#)
- [Ben Bosman](#)
- [Chris Wilper](#)
- [Terrence W Brady](#)
- [Paulo Graça](#)
- [Dimitris Pierrakos](#)
- [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.

★ = 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. (REST) Pagination bug with withdrawn items: <https://github.com/DSpace/DSpace/pull/2406> (Dimitris Pierrakos , Ben Bosman - Feedback provided)

PRs Needing Review

1. (REST Contract) Scripts & Processes endpoint: <https://github.com/DSpace/Rest7Contract/pull/17> **Updated** based on feedback during the meeting
2. (REST) Issue when community has multiple dc.title values <https://github.com/DSpace/DSpace/pull/2486> (**blocked URL** Tim Donohue , Andrea Bollini (4Science) - feedback provided)
3. (REST) Oai harvesting setup <https://github.com/DSpace/DSpace/pull/2491> (Tim Donohue - ⚠ Minor improvements requested, Andrea Bollini (4Science))
4. (REST) Spring security for createAndReturn with parent id <https://github.com/DSpace/DSpace/pull/2489> (Tim Donohue - ⚠ Minor improvements requested, **NEEDS SECOND REVIEWER**)
5. **(NEW)** (REST) Endpoints to collect statistics <https://github.com/DSpace/DSpace/pull/2502> (Ben Bosman , Mark H. Wood)
6. (Angular) Move Item Component: <https://github.com/DSpace/dspace-angular/pull/335> (Giuseppe Digilio (4Science) - **REREVIEW**, ✓ Tim Donohue)
7. (Angular) Item-Collection Mapper: <https://github.com/DSpace/dspace-angular/pull/348> (Tim Donohue - ⚠ noted errors in testing, Art Lowel (Atmire))
8. (Angular) Shibboleth integration support: <https://github.com/DSpace/dspace-angular/pull/429> (**Julius running into an error with 'yarn start' only**) (Giuseppe Digilio (4Science) reviewed again and provided feedback will help with debugging, Fernando FCT/FCCN, Paulo Graça)
9. (Angular) Submission Miscellaneous fixes: <https://github.com/DSpace/dspace-angular/pull/432> (**blocked URL** Art Lowel (Atmire), Tim Donohue - ⚠ Noted performance issues)
10. (Angular) Redirecting user to same page after login <https://github.com/DSpace/dspace-angular/pull/467> (**blocked URL** Art Lowel (Atmire), Giuseppe Digilio (4Science) - **REREVIEW**)
11. **(NEW)** (Angular) forceBypassCache should be removed from the RequestService: <https://github.com/DSpace/dspace-angular/pull/468> (Art Lowel (Atmire) - feedback provided, Giuseppe Digilio (4Science))
12. **(NEW)** (Angular) Collection pages WIP: <https://github.com/DSpace/dspace-angular/pull/472> (Art Lowel (Atmire), Tim Donohue)
13. (Backend) Solr 7 fixes for upgrading to DSpace 7 <https://github.com/DSpace/DSpace/pull/2393> (**blocked URL** Chris Wilper, Tim Donohue)

PRs Merged this week!

1. **blocked URL** (Backend) Upgrade to Solr 7: support sharded statistics <https://github.com/DSpace/DSpace/pull/2495> (**blocked URL** Chris Wilper, **blocked URL** Terrence W Brady)
2. **blocked URL** (Angular) Convert i18n files to JSON5 format <https://github.com/DSpace/dspace-angular/pull/439> (**blocked URL** Tim Donohue, **blocked URL** Paulo Graça)
3. ✓ (REST Contract) upload bitstream to archived item - update <https://github.com/DSpace/Rest7Contract/pull/71>
4. ✓ (REST Contract) Authority control Rest contract <https://github.com/DSpace/Rest7Contract/pull/73>
5. ✓ (Angular) UI Language Cookie <https://github.com/DSpace/dspace-angular/pull/443>
6. ✓ (Angular) Re-enable end-to-end (e2e) testing using Docker: <https://github.com/DSpace/dspace-angular/pull/466>
7. ✓ (Angular) (Entities) Deleting relationships: <https://github.com/DSpace/dspace-angular/pull/402>
8. ✓ (Angular) Search Performance optimizations #2 <https://github.com/DSpace/dspace-angular/pull/437>

Blocked

1. (Blocked PRs go here)

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 need to store/cache a user's Groups in UI layer, as some areas (e.g. Administrative) require knowledge of user group
3. **REST API Projections**:

Unable to locate Jira server for this macro. It may be due to Application Link configuration.

 - a. Early work begun, but this approach seems like a good direction, need volunteers to move it forward.
 - i. <https://github.com/DSpace/Rest7Contract/issues/2> (discussion resumed by Andrea Bollini (4Science) could be relevant for the projection)
4. Initial Performance Testing from Chris.
 - a. <https://cwilper.github.io/dspace-perftest/>

5. (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.
6. 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 if 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.
7. Improve/Re-enable End To End (e2e) Testing. Could there be opportunities to use Travis CI + Docker Compose for testing of Angular?? <https://github.com/DSpace/dspace-angular/issues/453#issuecomment-519672141>
 - 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

Scripts & processes endpoint discussion:

- Change the name of the script to the identifier
- Add message when a task is scheduled: <https://restfulapi.net/http-status-202-accepted/>
- Should we use the long or short format for the parameters? Keep the short format for now
- What is the added value of a curation task vs performing scripts from REST:
 - Both can be executed from REST in DSpace 7
 - Curation tasks can also be scheduled during the workflow
 - Migrating current command line script to curation tasks wouldn't make much sense
 - Is there sufficient added value to keep curation tasks?
 - **Continue this discussion next week when Tim is present**