2019-09-12 DSpace 7 Working Group Meeting

- Date
- Agenda
- Attendees
- Current Work
    - Tickets / PRs In Progress
    - PRs Needing Review
    - PRs Merged this week!
    - Blocked
    - Delayed / Needs Discussion
- Notes

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 fromBen 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 URLArt 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 URLArt 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 URLChris 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 URLChris 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 URLTim Donohue, blocked URLPaulo 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 to 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 begu l, 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 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.
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://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

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**