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 Wiper
• Terrence W Brady
• Paulo Graça
• Dimitris Pierrakos
• Julius Gruber
• Laura Henze

Current Work

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.
Meeting notes:

Julius running into an error with 'yarn start' during the meeting. Tim noted a risk of "scope creep" with this feature suggestion. This idea has been delayed / needs discussion.

Tim noted the following:

1. (Angular) Search Performance optimizations #2
2. (REST Contract) Authority control Rest contract
3. (Angular) UI Language Cookie
4. (Angular) Re-enable end-to-end (e2e) testing using Docker
5. (Angular) (Entities) Deleting relationships
7. (Angular) Move Item Component: https://github.com/DSpace/dspace-angular/pull/335 (Giuseppe Digilio (4Science) - REREVIEW, Tim Donohue )
8. (Rest7Contract) Scripts & Processes endpoint: https://github.com/DSpace/Rest7Contract/pull/71
9. (Angular) (REST) Oai harvesting setup https://github.com/DSpace/dspace-angular/pull/2418 (Tim Donohue - Minor improvements requested, Andrea Bollini (4Science))
10. (Angular) (Backend) Upgrade to Solr 7: support sharded statistics
11. (Angular) Converting 18n files to JSONS format
12. (REST Contract) upload bitstream to archived item - update https://github.com/DSpace/Rest7Contract/pull/73
13. (Angular) forceBypassCache should be removed from the RequestService: https://github.com/DSpace/dspace-angular/pull/467 (Art Lowel (Atmire), Giuseppe Digilio (4Science) - REREVIEW)
14. (Angular Bug) https://github.com/DSpace/DSpace/pull/2499 (Chris Wilper, Tim Donohue)
15. (REST) Issue when community has multiple dc.title values https://github.com/DSpace/dspace-angular/pull/2489 (Tim Donohue - Minor improvements requested, Andrea Bollini (4Science))

Amber noted errors in testing, Art Lowel (Atmire).

Tim noted that Andrea Bollini (4Science) had reviewed again and provided feedback with help debugging, Fernando FCT/FCCN, Paulo Graça.

Tim noted that Ben Bosman reviewed again and provided feedback will help with debugging, Fernando FCT/FCCN, Paulo Graça.

Tim noted that PRs Merged this week!

1. (Angular) UI Language Cookie
2. (Angular) Re-enable end-to-end (e2e) testing using Docker
3. (Angular) (Entities) Deleting relationships
5. (Angular) Move Item Component: https://github.com/DSpace/dspace-angular/pull/335 (Giuseppe Digilio (4Science) - REREVIEW, Tim Donohue )
6. (Rest7Contract) Scripts & Processes endpoint: https://github.com/DSpace/Rest7Contract/pull/71
7. (Angular) (REST) Oai harvesting setup
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15. (Angular Bug) https://github.com/DSpace/DSpace/pull/2499 (Chris Wilper, Tim Donohue)

Andrea Bollini said they'd come back with notes on the proposed backend implementation.

In our July 25 meeting, Atmire said they'd come back with notes on the proposed backend implementation.

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 noted errors in testing, Art Lowel (Atmire).
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

3. REST API Projections:  
   a. Early work begun at https://github.com/DSpace/DSpace/pull/1847. Discussed in more detail in our Aug 22 meeting. Overall, 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.

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??
   a. Docs: https://docs.travis-ci.com/user/docker/#using-docker-compose
   c. 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