2020-02-27 DSpace 7 Working Group Meeting

Date
27 Feb 2020 from 15:00-16:00 UTC

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

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.
(25 mins) General Discussion Topics
1. Wrapping up Beta1 release (if needed)
2. (If further discussion is needed) Revisiting Scripts & Processes endpoint PR#2648: Tim has concerns about usage of Bitstreams for temporary files (like uploaded CSVs, SAF Zips, AIPs, etc)
   a. See also last week's discussion notes
3. (Please add a topic)
(20 mins) Planning for next week
- Claim tasks for next week from DSpace 7 Release Plan spreadsheet
- Assigning PRs for Review

Attendees
- Art Lowel (Atmire)
- Andrea Bollini (4Science)
- Tim Donohue
- Lieven Droogmans
- Mark H. Wood
- Giuseppe Digilio (4Science)
- Ben Bosman
- Chris Wiper
- Paulo Graça

7.0 Release Goals
These resources define the prioritization and general schedule we are working towards
- DSpace 7 Release Goals: overview of goals/timelines & beta release process
- DSpace 7 Release Plan spreadsheet: our planning spreadsheet which details which features are scheduled for each Beta release.
### PRs Needing Review

1. (NEW) (REST Contract) (beta3) Link to workflow steps and actions [https://github.com/DSpace/Rest7Contract/pull/104](https://github.com/DSpace/Rest7Contract/pull/104) (NEEDS REVIEWERS)
3. (REST) (beta2) Select specific embeds: [https://github.com/DSpace/DSpace/pull/2670](https://github.com/DSpace/DSpace/pull/2670) (Tim Donohue, Ben Bosman)
4. (REST) Scripts & processes: importing and exporting csv's [https://github.com/DSpace/DSpace/pull/2648](https://github.com/DSpace/DSpace/pull/2648) (Andrea Bollini (4Science) - REVIEW ED, Tim Donohue - REVIEW Comments, Mark H. Wood)
5. (REST Contract) related to the scripts & processes PR above [https://github.com/DSpace/Rest7Contract/pull/99](https://github.com/DSpace/Rest7Contract/pull/99) (Andrea Bollini (4Science) - REVIEWED, Tim Donohue)
6. (REST) Shibboleth authentication [https://github.com/DSpace/DSpace/pull/2651](https://github.com/DSpace/DSpace/pull/2651) (Paulo Graça - REREVIEW, Ben Bosman - REREVIEW)
7. (REST) Edit Item - Manage Bitstreams [https://github.com/DSpace/DSpace/pull/2666](https://github.com/DSpace/DSpace/pull/2666) (Tim Donohue, Andrea Bollini (4Science))
8. (REST) DS-4418 remove uid from resource policy rest [https://github.com/DSpace/DSpace/pull/2665](https://github.com/DSpace/DSpace/pull/2665) (1 APPROVAL) (Tim Donohue - minor feedback, almost ready to merge)
9. (REST) DS-4043 Revisit security layer of submission (depend on the DS-4418) [https://github.com/DSpace/DSpace/pull/2675](https://github.com/DSpace/DSpace/pull/2675) (NEEDS REVIEWERS)
10. (REST) Initial implementation of the authorizations endpoints [https://github.com/DSpace/DSpace/pull/2663](https://github.com/DSpace/DSpace/pull/2663) (Ben Bosman - REVIEW by FEB 27) (if possible, Tim Donohue - feedback added, bugs found)
11. 🌟 (REST) Breadcrumbs in header [https://github.com/DSpace/DSpace/pull/2673](https://github.com/DSpace/DSpace/pull/2673) (1 APPROVAL) (Tim Donohue, Andrea Bollini (4Science)) - changes requested
12. (REST) Read only versioning endpoints [https://github.com/DSpace/DSpace/pull/2680](https://github.com/DSpace/DSpace/pull/2680) (1 APPROVAL) (Tim Donohue)
13. (REST) Workflow step definitions: action validation [https://github.com/DSpace/DSpace/pull/2685](https://github.com/DSpace/DSpace/pull/2685) (Tim Donohue, Ben Bosman, Andrea Bollini (4Science))
14. (REST) (beta 2 - has upcoming dependencies) Manage Groups [https://github.com/DSpace/DSpace/pull/2686](https://github.com/DSpace/DSpace/pull/2686) - DS-4026 (Tim Donohue, Andrea Bollini (4Science)) if needed
15. (REST) DS-4123: (High priority because of dependencies) Create Integration Tests to prove access restricted Items cannot be accessed anonymously [https://github.com/DSpace/DSpace/pull/2687](https://github.com/DSpace/DSpace/pull/2687) (1 APPROVAL) (Tim Donohue - added feedback, Ben Bosman if needed)
16. (REST) DS-4124: Create Integration Tests to prove access restricted Bitstreams cannot be accessed anonymously [https://github.com/DSpace/DSpace/pull/2688](https://github.com/DSpace/DSpace/pull/2688) (1 APPROVAL) (Tim Donohue - added feedback, Ben Bosman if needed)
17. (NEW) (REST) DS-4278: Fix bug where submitters can edit all metadata ETA feb 24 [https://github.com/DSpace/DSpace/pull/2689](https://github.com/DSpace/DSpace/pull/2689) (NEEDS REVIEWERS)
18. (Angular) Shibboleth authentication (merge with REST PR #2651) [https://github.com/DSpace/dspace-angular/pull/586](https://github.com/DSpace/dspace-angular/pull/586) (Paulo Graça, Ben Bosman)
19. (Angular) (beta 2) Edit Item Bitstreams Tab (depends on #578 below) [https://github.com/DSpace/dspace-angular/pull/577](https://github.com/DSpace/dspace-angular/pull/577) (Tim Donohue, Giuseppe e Digilio (4Science))
20. (NEW) (Angular) (beta 2) List versions - [https://github.com/DSpace/dspace-angular/pull/585](https://github.com/DSpace/dspace-angular/pull/585) - (Tim Donohue, NEEDS SECOND REVIEWER)
21. (NEW) (Angular) (beta 2) Specify Embeds - [https://github.com/DSpace/dspace-angular/pull/588](https://github.com/DSpace/dspace-angular/pull/588) - (1 APPROVAL) (Tim Donohue)
22. (Backend) DS-626: Exchange usage data with IRUS [https://github.com/DSpace/DSpace/pull/2664](https://github.com/DSpace/DSpace/pull/2664) (NEEDS REVIEWERS)

### PRs Coming Soon

1. Submitters can edit all metadata ETA feb 24 [DS-4278](https://github.com/DSpace/DSpace/pull/2688) - (Tim Donohue, Ben Bosman)
2. (Angular) (beta 1) Breadcrumbs - Draft PR: https://github.com/DSpace/dspace-angular/pull/591 - ETA feb 26 - (Tim Donohue, Giuseppe Digilio (4Science))

PRs Merged this week!

1. ✔ (REST Contract) Update Projections contract to align with impl: https://github.com/DSpace/Rest7Contract/pull/94
2. ✔ (REST Contract) Fix REST contracts to report 400 response for param exceptions (related to REST PR#2668 below): https://github.com/DSpace/Rest7Contract/pull/102
3. ✔ (REST) DS-4428 missing parameter exception https://github.com/DSpace/DSpace/pull/2668
4. ✔ (REST) (beta 2 but dependencies) Workflow step definitions https://github.com/DSpace/DSpace/pull/2646
5. ✔ (Angular) Fix angulartics router bug https://github.com/DSpace/dspace-angular/pull/580
6. ✔ (Angular) Angular 8 Upgrade https://github.com/DSpace/dspace-angular/pull/579
7. ✔ (Angular) Only resolve links when needed (Performance improvement work) https://github.com/DSpace/dspace-angular/pull/578
8. ✔ (Backend) DS-4434: Fix Context.commit() / isValid() and add Tests https://github.com/DSpace/DSpace/pull/2674
9. ✔ (Backend) Fix errorprone test warnings after Java 11 upgrade: https://github.com/DSpace/DSpace/pull/2669

Blocked

1. (Blocked PRs go here)

Delayed / Needs Discussion

1. 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. 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
   b. Work is ongoing, but has been started in these areas:
      i. Summary of ideas: REST Authorization
      ii. Contract for Authorization Endpoints: https://github.com/DSpace/Rest7Contract/pull/92
2. REST API Projections: DS-3533 - Getting issue details...
   a. Work begun in https://github.com/DSpace/DSpace/pull/2647 (by Chris Wilper)
      i. Based on detail discussions in our Oct 17 meeting.
   b. (Outdated) 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.
      c. https://github.com/DSpace/Rest7Contract/issues/2 (discussion resumed by Andrea Bollini (4Science) could be relevant for the projection)
3. Initial Performance Testing from Chris.
   a. Delayed. 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 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.

Notes