2020-02-13 DSpace 7 Working Group Meeting

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

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

Agenda
1. (15 mins) Developer Stand Up - Developers give brief updates on their effort (or their team's effort).
   - 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.
2. (25 mins) General Discussion Topics
   1. 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
   2. (Please add a topic)
3. (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 Wilper
- 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.

Current Work
Legend for status icons

★★ = Highest Priority tasks (please prioritize these reviews/tasks over others).
★ = review done, approved.
= review done, changes were requested or bugs found.
= review done, merge conflict or other minor changes requests

1 APPROVAL = pull request only requires a single approval to merge. This is generally reserved for PRs which are either smaller, obvious, and/or bug fixes with tests to prove they work.

Claim a Ticket!

If you do not have access in JIRA or GitHub to officially claim the ticket you wish to work on, contact Tim Donohue

- Available Angular UI Tickets
  - Open issues in 7.0.beta1 milestone (highest priority)
  - Open issues in 7.0.beta2 milestone (second highest priority)
  - Open issues flagged as "Difficulty: low". These may be a good starting point for newer developers.

- Available REST API Tickets
  - Unassigned tickets scheduled for 7.0.beta1 (highest priority)
  - Unassigned tickets scheduled for 7.0.beta2 (second highest priority)
  - General REST API tickets flagged as "low hanging fruit". These may be a good starting point for newer developers.
  - General REST API unassigned bug tickets. Again, might be a good starting point for newer developers.

PRs Needing Review

1. (REST Contract) Group and eperson management: https://github.com/DSpace/Rest7Contract/pull/41 (Tim Donohue, Andrea Bollini (4Science) - REVIEW BY FEB 13)
2. MERGE (REST) DS-4389 improving patch system framework Part 1 https://github.com/DSpace/DSpace/pull/2591 (Andrea Bollini (4Science) - REVIEW (if possible) BY FEB 13, Tim Donohue, Michael Spalti) a. Michael's version https://github.com/DSpace/DSpace/pull/2645
3. ★★ MERGE FIRST (REST) Projections continued: https://github.com/DSpace/DSpace/pull/2625 (Ben Bosman, Tim Donohue)
4. (NEW) (REST) Select specific embeds (depends on PR#2625): https://github.com/DSpace/DSpace/pull/2670 (Tim Donohue, Ben Bosman)
5. (REST) Workflow step definitions https://github.com/DSpace/DSpace/pull/2646 (Ben Bosman - REREVIEW, Tim Donohue - REREVIEW, Andrea Bollini (4Science) - REREVIEW)
6. (REST) Scripts & processes: importing and exporting csv's https://github.com/DSpace/DSpace/pull/2648 (Andrea Bollini (4Science) - REVIEW BY FEB 20, Tim Donohue - REVIEW Comments, Mark H. Wood)
7. (REST) Shibboleth authentication https://github.com/DSpace/DSpace/pull/2651 (Paulo Graça, Ben Bosman)
8. MERGE (REST) Collection item template updates https://github.com/DSpace/DSpace/pull/2656 1 APPROVAL (Tim Donohue)
9. (NEW) (REST) Edit Item - Manage Bitstreams https://github.com/DSpace/DSpace/pull/2666 1 APPROVAL (Tim Donohue)
11. (NEW) (Angular) (beta 2) Edit Item Bitstreams Tab (depends on #578) https://github.com/DSpace/dspace-angular/pull/577 (Tim Donohue, Giuseppe Digilio (4Science))
12. ★★ (NEW) (Angular) (beta 1) Only resolve links when needed (Performance improvement work) https://github.com/DSpace/dspace-angular/pull/578 (Tim Donohue, Giuseppe Digilio (4Science))
14. (Backend) Java 11 upgrade and Replace Mockito with Mockito (MERGE on/around Feb 13): https://github.com/DSpace/DSpace/pull/2654 (Chris Wilper, NEEDS SECOND REVIEWER)
  a. Corresponding Angular PR (must be merged after PR#2654 and before PR#2657): https://github.com/DSpace/dspace-angular/pull/574
15. (Backend) URL configuration refactor (new "dspace.server.uri" and "dspace.ui.uri") (MERGE on/around Feb 13) https://github.com/DSpace/DSpace/pull/2657 (Paulo Graça)
16. (NEW) (Backend) Fix errorprone test warnings after Java 11 upgrade (depends on PR#2654): https://github.com/DSpace/DSpace/pull/2669 (Mark H. Wood)
17. (NEW) DS-4428 missing parameter exception https://github.com/DSpace/DSpace/pull/2668 1 APPROVAL (Tim Donohue)
18. (NEW) DS-4418 remove uuid from resource policy rest https://github.com/DSpace/DSpace/pull/2665 (Tim Donohue) (Possibly one approval)

PRs Merged this week!

1. (REST Contract) Clarify anonymous access to resourcepolicies endpoints https://github.com/DSpace/Rest7Contract/pull/101 1 APPROVAL
2. (REST Contract) Versioning https://github.com/DSpace/Rest7Contract/pull/97
3. (REST) Initial Implementation of Resource Policies endpoint: https://github.com/DSpace/DSpace/pull/2604
4. (Angular) Generic uri metadata https://github.com/DSpace/dspace-angular/pull/565 1 APPROVAL

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/2547 (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 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.

Notes