2020-04-30 DSpace 7 Working Group Meeting

Date

30 Apr 2020 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

Planning Sprint : April 20-April 24

- Catch up on planning / discussion
- Review DSpace 7 Release Plan spreadsheet for beta3 and beta4 task

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. Revisiting "Collection dropdown in submission" issues (how should we address these? Beta 3 has several other submission tickets, should we include work on these?)
     a. Known performance issues: https://github.com/DSpace/dspace-angular/issues/487 (NOTE: These are still reproducible on the demo site. If you load a new submission, there's a 4-5 second pause before the page becomes usable)
     b. Changing Collection doesn't work when new collection has a different form definition: https://github.com/DSpace/dspace-angular/issues/621
        i. If I recall correctly, Collection item templates also are not working right in this scenario.
        ii. And I don't recall whether previously entered metadata gets saved or cleared out when collections have different metadata requirements.
        iii. Since it's possible to start a new submission via a default Collection, this increases the likelihood of encountering these issues (if the deposit starts in the wrong collection).
     c. somehow related to this discussion Creation of DSpace Entities
  2. (REST) (beta 3) Subresources should obey access restrictions https://github.com/DSpace/DSpace/pull/2726 **(Requires more analysis / brainstorming)**
  3. Finalize / approve the initial list of all authorization features which we should implement for the /api/authz/features REST endpoint. This list of features should be limited to *only features which are required to enable/disable User Interface functionality.* (In other words, we can always add more features in the future. We just need to approve the list necessary for 7.0)
     a. Review current spreadsheet (from Andrea Bollini (4Science)) : https://docs.google.com/spreadsheets/d/1182LcD_WqIZRbUGWpLtBw0aOMR9jhbOVB7GZqtTpR9A/edit?usp
  4. _____ o public endpoints (Unable to locate Jira server for this

     macro. It may be due to Application Link configuration. _____)

     _____ do have publicly accessible child endpoints (e.g. registrations, resourcepolicies, …). To get to those child endpoints the UI can't discover them because the parent endpoint returns a 4xx status code. We should consider a way to prevent a regular response but allow retrieving the HAL links
  5. Tabled Topics *(two were tabled for future discussion)*
     a. **(PR from Kevin coming?)** *We do not fully support* Community or Collection Admins adding/managing Community/Collection Groups
        i. Related to [Unable to locate Jira server for this macro. It may be due to Application Link configuration.   ]

        and this br
        ii. Currently, Community/Collection Admins do not have permissions to search/view all EPeople or Groups, nor can they view current members of the Group. These are all limited to full Administrators at this time.
        iii. As discussed on April 16, the **ideal solution** would be to *not* change the REST API contract, but instead *allow all Community/Collection Admins* to have search/view permissions on all EPeople or Groups. However, this would require a way to easily determine if a user was a Community/Collection Admin in a manner that does not cause performance problems. For example, we would *not* want to have to load every Group or every Community/Collection

to determine if the current user could manage/administer them. Instead, we'd want to see if there's a database level query that can answer the question: "*Does the current user have Admin-level rights on one or more Communities or Collections?*"

b. **(On hold for beta5 and then 7.1)** Live Import Feature & "Metadata Suggestions" per https://github.com/DSpace/DSpace/pull /2712

i. Live Import was definitely in DSpace 6.x: 2016 Framework for live import from external sources

ii. However, "Metadata Suggestions" seems like a new feature of Live Import? If this is accurate, we should track it separately so that it can have estimates & scheduling specific to it.

6. (Feel free to add other topics)

- (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, changes were requested or bugs found.

✅ = review done, approved.

⚠️ = 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 7.0beta2 milestone (highest priority)
  - Open issues in 7.0beta3 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 7.0beta2 (highest priority)
  - Unassigned tickets scheduled for 7.0beta3 (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) *(low priority)* related to the scripts & processes PR above (related to PR 2648 below) https://github.com/DSpace/Rest7Contract /pull/99 (⚠️**NEEDS UPDATES FROM Kevin Van de Velde (Atmire))** (Andrea Bollini (4Science) - ❌ **REVIEWED**, Tim Donohue)
2. (REST Contract) Language support on the backend (*possible new cookie for Angular?*) https://github.com/DSpace/Rest7Contract/pull/122 (**WAITI NG ON** Andrea Bollini (4Science)) (Tim Donohue, Ben Bosman, Art Lowel (Atmire))
3. (REST) *(low priority)* (beta4) Scripts & processes: importing and exporting csv's https://github.com/DSpace/DSpace/pull/2648 (⚠️**WAITING ON PR UPDATES FROM Kevin Van de Velde (Atmire))** (Andrea Bollini (4Science) - ❌ **REVIEWED**, Tim Donohue - added summary of way forward Mark H. Wood)

4. (REST) (tentative 7.1) [DS-4281]: Metadata suggestions in the live import https://github.com/DSpace/DSpace/pull/2712 **(NEEDS TICKET / DISCUSSION)** (Tim Donohue - ⚠️ I believe this is a new feature? We should add this to the spreadsheet, Andrea Bollini (4Science), agree with Tim it is a new feature so postpone compared to existing features)
5. (REST) (beta 3) Subresources should obey access restrictions https://github.com/DSpace/DSpace/pull/2726 (Tim Donohue - ⚠️New feedback added, Andrea Bollini (4Science) ❌ implementation approach need discussion, Craig Rosenbeck)
6. (REST) (beta 3) Administer Workflow (Abort WorkflowItem, Delete WorkflowItem) https://github.com/DSpace/DSpace/pull/2727 (Tim Donohue - **REREVIEW**, Andrea Bollini (4Science) **REREVIEW TODAY**)
7. (REST) Configurable whitelist for "Access-Control-Allow-Origin" header: https://github.com/DSpace/DSpace/pull/2735 (**WAITING ON Tim Donohue**) (Ben Bosman , Giuseppe Digilio (4Science))
8. (REST) (beta 3) Account profile management https://github.com/DSpace/DSpace/pull/2747 (Tim Donohue - **REVIEW BY MAY 7**, Andrea Bollini (4Science) - **REVIEW BY MAY 7)**
9. (REST) Assume login feature https://github.com/DSpace/DSpace/pull/2740 (Ben Bosman, Tim Donohue - **REVIEW BY MAY 7**, Andrea Bollini (4Science) - **REVIEW BY MAY 7)**
10. (REST) (beta 3) Controlled vocabulary **(TALK NEXT WEEK ONCE WE HAVE A BUG TICKET FROM ATMIRE)** Mykhaylo Boychuk https://github.com/DSpace/DSpace/pull/2743 (REST Contract #120) (Tim Donohue, Kevin Van de Velde (Atmire))
11. (Angular) (beta 3) Edit resource policies https://github.com/DSpace/dspace-angular/pull/645 (Tim Donohue, Art Lowel (Atmire) - ⚠️ Feedback added, Julian Timal (eScire))
12. (Angular) (beta 3) Administer Workflow https://github.com/DSpace/dspace-angular/pull/650 (Tim Donohue, Julian Timal (eScire))
    a. Depends on REST PR #2727 (see above).
13. (Angular) *(low priority)* (beta4) Scripts & Processes Admin UI https://github.com/DSpace/dspace-angular/pull/636 (Tim Donohue, Giuseppe Digilio (4Science), Craig Rosenbeck)
    a. Depends on REST PR #2648 (see above) **ON HOLD**
14. ⭐ (Angular) (**EARLY beta3**) Switch to Angular CLI https://github.com/DSpace/dspace-angular/pull/625 (Tim Donohue - **REVIEW BY MAY 7**, Giuseppe Digilio (4Science)⚠️**REREVIEW BY MAY 7**)
15. (Angular) Alternative links https://github.com/DSpace/dspace-angular/pull/652 (Giuseppe Digilio (4Science), Tim Donohue)
16. (Angular) Login as EPerson https://github.com/DSpace/dspace-angular/issues/653 (Tim Donohue - **REREVIEW BY MAY 7**, Giuseppe Digilio (4Science) - **REVIEW BY MAY 7** , ⚠️Julian Timal (eScire))
    a. Depends on REST PR #2740 (see above)
17. (Backend) *(low priority)* DS-626 : Exchange usage data with IRUS https://github.com/DSpace/DSpace/pull/2664 (✅Craig Rosenbeck, **NEEDS SECOND REVIEWER**)
18. (Backend) *(low priority)* (tentative 7.2) DS-4440 GDPR - Anonymize Statistics Feature: https://github.com/DSpace/DSpace/pull/2692 (Andrea Bollini (4Science), Ben Bosman, Tim Donohue)
19. ⭐ (Backend / Security) (**EARLY beta3**) Upgrade Spring Boot, Spring & Spring HATEOAS: https://github.com/DSpace/DSpace/pull/2720 (✅Andrea Bollini (4Science) , ✅Craig Rosenbeck, ✅ Kevin Van de Velde (Atmire))

PRs Coming Soon

1. (beta 3) REST Language Support on the backend Mykhaylo Boychuk ETA 17 or 20 April

PRs Merged this week!

1. ✅ (first PR merged goes here)

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
        iii. Contract for ResourcePolicies: https://github.com/DSpace/Rest7Contract/pull/87
2. Initial Performance Testing from Chris.
    a. https://cwilper.github.io/dspace-perftest/
3. (REST Contract) Edit Homepage News: https://github.com/DSpace/Rest7Contract/pull/45
    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.
4. ⚠️ (Angular Bug) https://github.com/DSpace/dspace-angular/issues/368 (Art Lowel (Atmire))
5. 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