

2020-04-30 DSpace 7 Working Group Meeting

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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=sharing
 4. [Unable to locate Jira server for this macro. It may be due to Application Link configuration.](#)) to 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, resourcepoicies, ...). 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 [Unable to locate Jira server for this macro. It may be due to Application Link configuration.](#)
 - 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> (**WAITING 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