

# 2019-03-28 DSpace 7 Working Group Meeting

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## Date

28 Mar 2019 from [15:00-16:00 UTC](#) (*At end of March, this meeting will switch to 14:00 UTC*)

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

- More connection options available at [DSpace Meeting Room](#)

## 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.
- (30 mins) General Discussion Topics
  1. REMINDER: This meeting switches times to **14:00UTC on April 4**. For those already in daylight savings time (USA), this will be one hour earlier. For Europe, this will be the same time (locally).
  2. Submission PR is still missing comments for the DynamicForms components, wait for those, or move those to a different PR and merge as-is?
  3. MyDSpace PR outstanding comment on the use of the Constants class, see [issuecomment-477629344](#)
- (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](#)
- [Heather Greer Klein](#)
- [Lieven Droogmans](#)
- [Mark H. Wood](#)
- [Giuseppe Digilio \(4Science\)](#)
- [Ben Bosman](#)
- [Pascal-Nicolas Becker](#)
- [Chris Wilper](#)
- [Terrence W Brady](#)
- [Pablo Prieto](#)
- [Paulo Graça](#)

## Current Work

### Legend for status icons

★ = Highest Priority tasks (please prioritize these reviews/tasks over others). Currently this lists tasks/features that need to be completed for Preview Release.

[blocked URL](#) = review done (this week), changes were requested.

[blocked URL](#) = review done, approved.

⚠ = review done, merge conflict or other minor changes requests

## Tickets / PRs In Progress

1. (Angular) Adding Accessibility via Travis CI <https://github.com/DSpace/dspace-angular/pull/356> (work in progress) (Lower priority)
2. ★ (Angular) MyDSpace UI (work in progress) (Timeline: ~~Should be ready by Feb 28, delayed 5th March~~, delayed 12th March due to sub optimal Search implementation, need to run against the updated MyDSpace REST API PR - Blocked until discussion around the MyDSpace Endpoint is solved see 2312 and <https://github.com/4Science/DSpace/pull/65>)
3. (REST Contract) Edit Homepage news: <https://github.com/DSpace/Rest7Contract/pull/45> (Ben Bosman - has outstanding questions/comments) (Lower priority)
4. (REST) Updating Owning Collections: <https://github.com/DSpace/DSpace/pull/2283> (Kevin Van de Velde (Atmire) - changes requested. Implementation doesn't align with contract) (Timeline: Should be ready a week after the entities are merged)
5. (REST) Item Mapper functionality: <https://github.com/DSpace/DSpace/pull/2282> (Kevin Van de Velde (Atmire) - changes requested. Implementation doesn't align with contract) (Timeline: Should be ready a week after the entities are merged)

## PRs Needing Review

1. **blocked URL** (REST Contract) Group and eperson management: <https://github.com/DSpace/Rest7Contract/pull/41> (Waiting on updates from Ben Bosman)
2. ★ (REST Contract) Configurable Entities (Part 1 - Architecture & Display): <https://github.com/DSpace/Rest7Contract/pull/57> (Mark H. Wood - approved., Paulo Graça - approved)
3. **blocked URL** (REST Contract) Minor changes to sync with the mydspace REST implementation <https://github.com/DSpace/Rest7Contract/pull/55> (Ben Bosman, Tim Donohue)
4. ⚠ (REST) EPerson profile PATCH functionality : <https://github.com/DSpace/DSpace/pull/2257> (Andrea Bollini (4Science), Tim Donohue . **This PR currently has minor merge conflicts.**)
5. ★ (REST) Configurable Entities (Part 1 - Architecture & Display): <https://github.com/DSpace/DSpace/pull/2376> (Tom Desair reviewed, Paulo Graça, Andrea Bollini (4Science) )
  - a. Sub-PR to add more Integration Tests into PR#2376's branch: <https://github.com/DSpace/DSpace/pull/2388> (Tim Donohue)
6. ★ (REST) MyDSpace Endpoint PR: <https://github.com/DSpace/DSpace/pull/2391> ( Ben Bosman , Tim Donohue , Kevin Van de Velde (Atmire) ) - previous discussion here: <https://github.com/4Science/DSpace/pull/65>
7. ✓ ★ (Angular) Submission implementation: <https://github.com/DSpace/dspace-angular/pull/279> (Art Lowel (Atmire), Paulo Graça - changes requested, Tim Donohue . All change requests implemented, needs final approval
8. ⚠ (Angular) Transfer to .po message format - Initial PR: <https://github.com/DSpace/dspace-angular/pull/366> (Paulo Graça - changes requested, Tim Donohue , Art Lowel (Atmire) - **requested updates. Currently failing build.**)
9. ★ (Angular) Configurable Entities (Part 1 - Architecture & Display): <https://github.com/DSpace/dspace-angular/pull/372> ( Paulo Graça - approved. Noted performance/loading issues. - Art Lowel (Atmire) will look at performance.)
10. (Angular) Search performance optimizations: <https://github.com/DSpace/dspace-angular/pull/374> (Giuseppe Digilio (4Science), Tim Donohue - MyDSpace UI needs this)
11. (Angular) Bootstrap security update: <https://github.com/DSpace/dspace-angular/pull/375> (Giuseppe Digilio (4Science) approved, Tim Donohue - Could be merged immediately)
12. (Angular) Preview release theme: <https://github.com/DSpace/dspace-angular/pull/376> (Tim Donohue - Should this be merged into "master" or a "preview" branch? May need to discuss next week?)
13. (Angular) Fix pagination on the home page: <https://github.com/DSpace/dspace-angular/pull/377> (Paulo Graça, Giuseppe Digilio (4Science), Tim Donohue )
14. ⚠ (Angular Bug) <https://github.com/DSpace/dspace-angular/issues/368> (Andrea Bollini (4Science), Art Lowel (Atmire) )
15. (Backend) Performance Testing bug: <https://github.com/DSpace/DSpace/pull/2379> (Terrence W Brady , Tim Donohue )
16. (Backend) **One Webapp Backend** - Initial PR: <https://github.com/DSpace/DSpace/pull/2265> (Ben Bosman , Mark H. Wood , Terrence W Brady - tested and found issues in getting RDF/SWORDv1 working in Docker)
  - a. This PR will have a follow-up PR to rename the "dspace-spring-rest" webapp to "dspace-server" and update all URL configurations
  - a. Docker changes to merge after this PR is merged: <https://github.com/DSpace-Labs/DSpace-Docker-Images/pull/96>

## PRs Merged this week!

1. ✓ (Backend) **Upgrading Solr Server for DSpace** - Initial PR: <https://github.com/DSpace/DSpace/pull/2058>
  - a. Initial docs started at [Installing DSpace \(OLD - to be removed\)](#)
2. ✓ **blocked URL** (REST) Workflow Endpoint: <https://github.com/DSpace/DSpace/pull/2312>

## BLOCKED

1. (Angular) Move Item Component: <https://github.com/DSpace/dspace-angular/pull/335>
  - a. Blocked by DSpace PR#2283
2. (Angular) Item-Collection Mapper: <https://github.com/DSpace/dspace-angular/pull/348>
  - a. Blocked by DSpace PR#2282

## Delayed

1. (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.
2. (REST) Scripts & Processes endpoint: <https://github.com/DSpace/Rest7Contract/pull/17>
3. 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.

## Priorities for Preview Release

As discussed in previous DSpace 7 meetings, our DSpace 7 Preview release is aimed for **first few weeks of April**, followed by a Beta in May (before OR2019). The top priorities for the Preview Release are (in this order):

1. Submission & Workflow UI / backend
2. Configurable Entities (from [DSpace 7 Entities Working Group \(2018-19\)](#))
3. [Upgrading Solr Server for DSpace](#) (not required for Preview, as there's no user facing features. However, the earlier we feel comfortable merging this effort the better)

## Notes

- Reminder, next week we move meeting to 14UTC (one hour earlier in USA. Same time for those in Europe, as they start Daylight savings this weekend)
- Submission PR discussion: <https://github.com/DSpace/dspace-angular/pull/279>
  - Major outstanding request is just for TypeDocs (comments) on all Dynamic Forms components
  - Most of these DynamicForms Components existed **prior to this PR**. We do not expect those to be fixed by this PR
  - [Giuseppe Digilio \(4Science\)](#) recommends to create a new GitHub issue ticket for commenting **all** the Dynamic Forms components. Schedule this for **after** Preview Release and assign it to Giuseppe.
    - Others agree, this sounds reasonable. Giuseppe will create the ticket & claim it.
- MyDSpace PR discussion: <https://github.com/DSpace/DSpace/pull/2391>
  - [Andrea Bollini \(4Science\)](#) wants to ensure we are in agreement on the implementation strategy. Wants to try and get this PR moved along as quickly as possible
  - Strategy is to keep the existing (new) Constants added in the last PR. Specifically these 4: <https://github.com/DSpace/DSpace/blob/master/dspace-api/src/main/java/org/dspace/core/Constants.java#L58-L76>
  - As previously noted by Ben, these new Constants are slightly controversial. The design pattern is not great, as anytime we want to index a new type of Object in Solr, it **MUST** be added to the list of Constants. This is because we currently index these Constants in Solr to represent the type (so an Item in Solr says it is type "2", instead of saying it's an "item" or similar)
    - Ben & Tim both agree this is not a good design pattern long term. However, also both agree it's "good enough" for now, and we can re-discuss this after the Preview Release
  - Next Step: This implementation is fine for now. We'll have to determine a better design pattern approach after Preview Release. It also may be that (time permitting) we'd have to modify the approach in DSpace 8, we'll have to see.
- EC2 instance for Docker
  - Terry suggests that, since we are releasing Preview Release via Docker, we might also consider having a Preview "demo site" in EC2 using those Docker instances
  - Tim says that sounds reasonable, We'll take this offline though to discuss further and bring back to group as needed
- Planning for Preview Release
  - Lieven asks if we can set ourselves an internal deadline. April 11 might be tough, as both DuraSpace Summit and user group in Germany are going on that week. April 18 maybe?
  - Tim agrees, April 18 seems like a good goal.
  - Also need to understand our availability in late April and May. How do we get from Preview to Beta.
  - Decision
    - **April 18 is our new Preview Release goal.** This means finalizing reviews & merging all necessary (blue starred) PRs before April 12 or 15.
    - **NEXT WEEK: Discussion of availability in late April / all of May.** Do we have any gaps to fill? Is a Beta possible by OR2019?