2019-11-12 DSpace 7 Entities WG Meeting

- Date & Location
- Attendees
- Agenda
  - Current Work
    - Tickets to Resolve
    - PRs Needing Review
    - PRs Merged this week!
- Task List
- Notes

Date & Location

12 Nov 2019 at 16:00 UTC (11:00am EDT)

Location:

Join from PC, Mac, Linux, iOS or Android: https://lyrasis.zoom.us/j/9963190968

Attendees

Actual attendee list will be updated after meeting.

- Tim Donohue - LYRASIS
- Pascal-Nicolas Becker - The Library Code (unavailable)
- Alexander Sultrian - Freie Universität Berlin
- Lieven Droogmans - Atmire
- Ben Bosman - Atmire
- Paulo Lopes - FCT/FCCN
- Mark H. Wood - IUPUI
- Paulo Graça - FCT/FCCN
- Jose Carvalho - University of Minho
- Dimitris Pierrakos - ARC/OpenAIRE
- Oliver Goldschmidt - Hamburg University of Technology (TUHH)
- Helen Baer - Colorado State University

Agenda

<table>
<thead>
<tr>
<th>#</th>
<th>Time</th>
<th>Item</th>
<th>Information</th>
<th>Who</th>
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<tbody>
<tr>
<td>1</td>
<td>5mins</td>
<td>Agenda</td>
<td>Any additional topics to today's agenda?</td>
<td>All</td>
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<tr>
<td>2</td>
<td>20mins</td>
<td>Updates on OpenAIREv4</td>
<td>Updates</td>
<td>Jose &amp; Paulo</td>
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<td>New PRs:</td>
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<td>Initial presentation:</td>
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<td>Mainly focus on Annex 6 and Annex 7</td>
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<td>Future steps: demo submission form</td>
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<td>3</td>
<td>20mins</td>
<td>Entities integration on edit item (Edit metadata tab)</td>
<td>Mockups for “Edit Metadata” tab of the Edit Item page. For Entities, this tab will need to display (read-only) virtual metadata, so that it can be seen (and reordered) alongside real metadata.</td>
<td>Lieven</td>
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<td>4</td>
<td>if time allows</td>
<td>Replacing plain-text metadata with relationship</td>
<td>Solution for common use case problem: If you’d be submitting a new person entity, which already has 10 publications in the repository containing that person's name as plain text metadata in dc.contributor.author, duplicate metadata would be created (the old actual metadata and the new virtual metadata).</td>
<td>Lieven</td>
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Current Work

Legend for status icons

- ★ = Highest Priority tasks (please prioritize these reviews/tasks over others). These are tasks with lots of dependencies
- ✗ = review done, changes were requested or bugs found.
- ✔ = review done, approved.
- ⚠ = review done, merge conflict or other minor changes requested

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.

Tickets to Resolve

- All JIRA tickets tagged with "Configurable Entities": https://jira.duraspace.org/issues/?jql=project%20%3D%20DS%20AND%20component%20%3D%20%22Configurable%20Entities%22
  - Critical Tickets: https://jira.duraspace.org/issues/?jql=project%20%3D%20DS%20AND%20priority%20%3D%20Critical%20%20AND%20component%20%3D%20%22Configurable%20Entities%22
  - Major Tickets: https://jira.duraspace.org/issues/?jql=project%20%3D%20DS%20AND%20priority%20%3D%20Major%20%20AND%20component%20%3D%20%22Configurable%20Entities%22
- (HIGH PRIORITY) Bug with performance of Angular (especially with regards to Entities, e.g. in PR#402): https://github.com/DSpace/dspace-angular/issues/458
- (REST Contract) There could be more than one Entity reference for external sources https://jira.duraspace.org/issues/?jql=project%20%3D%20DS%20AND%20component%20%3D%20%22Rest%207%20Contract%22

PRs Needing Review

1. (NEW) (REST Contract) Adding entry HAL Link at entryValues level https://github.com/DSpace/Rest7Contract/pull/88 (Ben Bosman - provided feedback, Tim Donohue)
2. (REST Contract) Metadata suggestions in the live import https://github.com/DSpace/Rest7Contract/pull/83 (Paulo Graça - REREVIEW, suggests to split in 2, Tim Donohue - REREVIEW)
3. (NEW) (REST) Delete item with relationships https://github.com/DSpace/DSpace/pull/2577 (Paulo Graça, Alexander Sulfrian)
4. (REST) Entities bug-fixes in place management https://github.com/DSpace/DSpace/pull/2551 UPDATED (Chris Wilper, Tim Donohue, Paulo Graça) QUICK REVIEW & MERGE
5. (REST) Feature: external sources https://github.com/DSpace/DSpace/pull/2560 (Paulo Graça, Tim Donohue)
6. (REST) Entities: configuring whether name variants should be used https://github.com/DSpace/DSpace/pull/2561 UPDATED (Paulo Graça, Tim Donohue)
7. (NEW) OpenAIRE4: OpenAIRE 4 Entities and Relationships https://github.com/DSpace/DSpace/pull/2575 (Dimitris Pierrakos, Ben Bosman, Tim Donohue)
8. (NEW) OpenAIRE4: OpenAIRE 4 required fields https://github.com/DSpace/DSpace/pull/2576 (Dimitris Pierrakos, Ben Bosman, Tim Donohue)
9. (NEW) Fix for DS-4379 (listed above) https://github.com/DSpace/DSpace/pull/2588 (Paulo Graça, Ben Bosman)

PRs Merged this week!

1. ✔ (Angular) Item page entities changes/refactoring https://github.com/DSpace/dspace-angular/pull/475

Task List

This task list has been updated as of our meeting on Oct 22, 2019. The tasks are numbered for easy reference, but are not necessarily listed in priority order. During this meeting we worked to re-summarize current work status so that we can align this task list with the DSpace 7 Estimation Process and as such, estimate any we feel should be considered for 7.0 release. NOTE: Keep in mind, just because a task is listed here does NOT guarantee it will be completed for DSpace 7. Some of these tasks may need to be delayed for a future release.

Legend for status icons

- ✔ = task considered "completed" (unless bugs or issues are later found)
- ⚠ = task incomplete or has further work to be done.
- ✗ = task that may be delayed or postponed for after 7.0.
1. Metadata schemas for Entity types (DS-4223).
   a. REST: https://github.com/DSpace/DSpace/pull/2443, Angular: https://github.com/DSpace/dspace-angular/pull/420
   b. Early Docs / Notes: https://docs.google.com/document/d/1X0XspgZYtPbmq7yXwmu7FbMAfLxxOCObw0_r7J/edit#heading=h.wjag235p53r

2. (Minor refactor) Decide which metadata field should be used to store Entity Type (DS-4184). Currently, it is stored in "relationship.type".

3. Creating Relationships (between Entities) with CSV Batch Import
   a. REST: https://github.com/DSpace/DSpace/pull/2259 and https://github.com/DSpace/DSpace/pull/2471 and https://github.com/DSpace/DSpace/pull/2522
   b. Early Docs / Notes: https://docs.google.com/document/d/1X0XspgZYtPbmq7yXwmu7FbMAfLxxOCObw0_r7J/edit#heading=h.df127j9mcc

4. Permissions on Relations (between Entities)
   a. Discussed on Aug 6
   b. Early Docs / Notes: https://docs.google.com/document/d/1X0XspgZYtPbmq7yXwmu7FbMAfLxxOCObw0_r7J/edit#heading=h.y6qajrynexl

5. Deleting Entities that have existing relations
   a. DELETE action itself:
      i. REST Contract: https://github.com/DSpace/Rest7Contract/blob/master/relationships.md#deleting-a-relationship, REST: https://g
      ii. Early Docs / Notes: https://docs.google.com/document/d/1X0XspgZYtPbmq7yXwmu7FbMAfLxxOCObw0_r7J/edit#heading=h.
      iii. In implementation (REST API and Angular)
   b. Copy virtual metadata from deleted entity to related entity
      i. REST Contract: https://github.com/DSpace/Rest7Contract/pull/78
      ii. In implementation (REST API and Angular)

6. Dynamic display of Relationships
   a. Early Docs / Notes: https://docs.google.com/document/d/1X0XspgZYtPbmq7yXwmu7FbMAfLxxOCObw0_r7J/edit#heading=h.
   b. May require usability improvements (NEEDS DISCUSSION)

7. Submission Integration Tasks
   a. Creating new Entities using Submission Forms
      i. REST: https://github.com/DSpace/DSpace/pull/2443
      ii. Early Docs / Notes: https://docs.google.com/document/d/1X0XspgZYtPbmq7yXwmu7FbMAfLxxOCObw0_r7J/edit#heading=h.
   b. Creating relations between two Entities during Submission process
      i. Contract: https://github.com/DSpace/Rest7Contract/pull/64, REST: https://github.com/DSpace/DSpace/pull/2472
      ii. In implementation (Angular)
      iii. Early Docs / Notes: https://docs.google.com/document/d/1X0XspgZYtPbmq7yXwmu7FbMAfLxxOCObw0_r7J/edit#heading=h.
   c. Search External Sources (includes ORCID integration with Entities)
      i. REST Contract: https://github.com/DSpace/DSpace/pull/2560 (in review)
      ii. REST: https://github.com/DSpace/DSpace/pull/2560 (in review)
      iii. In Implementation (REST API and Angular)
   d. Convert External Sources to an Entity
      i. If an Admin: Contract under review: https://github.com/DSpace/Rest7Contract/pull/82
      ii. If a Submitter: Contract under review: https://github.com/DSpace/Rest7Contract/pull/83

8. Name Variants
   a. Create name variants in submission
      i. In Implementation (REST API and Angular)
   b. Display name variants on Item pages (Angular)

9. OpenAIRE v4 implementation (using Entities)
   a. TO BE DISCUSSION ON OCT 29.
   b. Early PR expected in the next week or so. This initial work will be configuration only (no new code).
   c. Possible need for a follow-up PR to implement improvements to OAI-PMH to support OpenAIRE v4.

10. How to display related items on an Item page if that related item is still in workflow approval
    a. TODO: Needs proposal. Early idea is to simply display the related item as plain text metadata (until approved).
    b. Edit Item page integration
       a. TODO: Needs proposal. How to display relationships on "edit metadata" tab. How to add relationships on "relationships" tab

11. Relations in AIP Backup & Restore
    a. Discussed on Oct 15
    b. Proposal: https://docs.google.com/document/d/1X0XspgZYtPbmq7yXwmu7FbMAfLxxOCObw0_r7J/edit#heading=h.q18b6ikog7yi

12. Creating Relations in SAF Import (might be postponed for a future release)
    a. Requires AIP Backup & Restore
    b. Proposal: https://docs.google.com/document/d/1X0XspgZYtPbmq7yXwmu7FbMAfLxxOCObw0_r7J/edit#heading=h.n8ktliibe7kj

13. SWORD integration (might be postponed for a future release)
    a. Requires AIP Backup & Restore, as SWORD uses the same crosswalks / format as AIP.
    b. Proposal: https://docs.google.com/document/d/1X0XspgZYtPbmq7yXwmu7FbMAfLxxOCObw0_r7J/edit#heading=h.xhuwywy1ep8h2

14. Best Practices around Entities in Collections (NOT: this may just be early documentation). We've suggested in the Preview Release to structure Collections based on Entity Type (Person Collection, Projects Collection, etc.). We should better document and formalize these best practices.
    a. Should we eventually consider hiding these Collections which only serve to store Entity Types?

Notes