DevMtg 2019-07-31
Developers Meeting on Weds, July 31, 2019

Meeting on Hiatus starting August 2019
This meeting is on temporary hiatus and will no longer be held on a regular (weekly) basis. This meeting will resume as soon as one (or more) of the following occurs:

- The DSpace 7 Working Group finishes its work & ramps down
- Or, the DSpace 6.4 release effort ramps up.
- Or, an interim chair for this meeting is located (as Tim is unavailable to chair this meeting until DSpace 7 finishes up)

In the meantime, ad hoc discussions or meetings are encouraged to occur via the #dev channel in Slack. Developers wanting status updates (e.g. on DSpace 7), or looking for feedback/advice on ongoing work are encouraged to ask for support on that channel, and we would be glad to help out.

Anyone is also welcome & encourages to attend (or "lurk") on DSpace 7 Working Group or DSpace 7 Entities Working Group meetings (both occur weekly). You need not have a microphone or camera to attend, and can take part or ask questions via text chat in Zoom.

Today's Meeting Times

- DSpace Developers Meeting / Backlog Hour: 20:00 UTC in #duraspace IRC or #dev-mtg Slack channel (these two channels sync all conversations)

Agenda

Quick Reminders

Friendly reminders of upcoming meetings, discussions etc

- DSpace 7 Working Group: Next meeting is Thurs, Aug 1 at 14:00 UTC.
- DSpace 7 Entities Working Group: Next meeting is Tues, Aug 6 at 15:00 UTC.
- DSpace Developer Show and Tell Meetings: On hold until interesting topics arise.

Discussion Topics

If you have a topic you'd like to have added to the agenda, please just add it.

1. Quick Updates from other meetings
   a. DSpace 7 Status Updates for this week (from DSpace 7 Working Group or DSpace 7 Entities Working Group)
   b. DSpace 6.x Status Updates for this week
      i. 6.4 will surely happen at some point, but no definitive plan or schedule at this time. Please continue to help move forward / merge PRs into the dspace-6.x branch, and we can continue to monitor when a 6.4 release makes sense.

2. This general Developers Mtg will go on hiatus, until one (or more) of the following occurs
   a. DSpace 7 Working Group finishes work / ramps down
   b. Or, DSpace 6.4 effort ramps up
   c. Or, an interim chair for this meeting is found.
   d. (In the meantime, Tim will provide status updates on DSpace 7 efforts via Slack and/or email lists. Also, anyone is welcome to drop in on DSpace 7 Working Group or DSpace 7 Entities Working Group just to "lurk" or listen in on efforts.)

3. Ongoing Work
   a. Upgrading Solr Server for DSpace (Mark H. Wood)
      i. Auto-reindexing in Solr:
         1. DS-3668 - Full reindex (index-discovery) is triggered whenever Flyway finds a new DB migration
            i. Should this only happen for major releases? Should it be configurable? Can we find a more precise trigger? When do we need to reindex?
         ii. Dump/restore tool for the authority core. DS-4187 - Tool to dump and restore the 'authority' Solr core
            Or should we use solr-export-statistics?
      b. DSpace Docker and Cloud Deployment Goals (Terrence W Brady)
         i. Update sequences on initialization
         1. https://github.com/DSpace/DSpace/pull/2362 - update sequences port
2. [Update sequences port](https://githu...GH](https://github.com/DSpace/DSpace/pull/2361) - update sequences port
   ii. DSpace Launcher Dashboard - Deploy a PR on AWS for Testing
1. There is a 2 minute video that illustrates this proposal.
   iii. Docker for production - next steps

4. Tickets, Pull Requests or Email threads/discussions requiring more attention? *(Please feel free to add any you wish to discuss under this topic)*
   a. Quick Win PRs: [https://github.com/DSpace/DSpace/pulls?q=is%3Aopen+review%3Aapproved+label%3A%22quick+win%22](https://github.com/DSpace/DSpace/pulls?q=is%3Aopen+review%3Aapproved+label%3A%22quick+win%22)

**Tabled Topics**

These topics are ones we’ve touched on in the past and likely need to revisit (with other interested parties). If a topic below is of interest to you, say something and we’ll promote it to an agenda topic!

1. **Brainstorms / ideas**
   a. *(On Hold, pending Steering/Leadership approval)* Follow-up on “DSpace Top GitHub Contributors” site *(Tim Donohue)*: [https://tdonohue.github.io/top-contributors/](https://tdonohue.github.io/top-contributors/)
   b. Bulk Operations Support Enhancements *(from Mark H. Wood)*
   c. Curation System Needs *(from Terrence W Brady)*

2. **Management of database connections for DSpace going forward (7.0 and beyond). What behavior is ideal? Also see notes at DSpace Database Access**
   a. [DS-4276](https://github.com/DSpace/DSpace/pull/2361) - Separate database Session from Context *(VOLUNTEER NEEDED)*
   b. In DSpace 5, each “Context” established a new DB connection. Context then committed or aborted the connection after it was done (based on results of that request). Context could also be shared between methods if a single transaction needed to perform actions across multiple methods.
   c. In DSpace 6, Hibernate manages the DB connection pool. Each thread grabs a Connection from the pool. This means two Context objects could use the same Connection (if they are in the same thread). In other words, code can no longer assume each new Context() is treated as a new database transaction.
      i. Should we be making use of `SessionFactory.openSession()` for READ-ONLY Contexts (or any change of Context state) to ensure we are creating a new Connection (and not simply modifying the state of an existing one)? Currently we always use `SessionFactory.getCurrentSession()` in HibernateDBConnection, which doesn’t guarantee a new connection: [https://github.com/DSpace/DSpace/blob/dspace-6_x/dspace-api/src/main/java/org/dspace/core/HibernateDBConnection.java](https://github.com/DSpace/DSpace/blob/dspace-6_x/dspace-api/src/main/java/org/dspace/core/HibernateDBConnection.java)
   d. Bulk operations, such as loading batches of items or doing mass updates, have another issue: transaction size and lifetime. Operating on 1 000 000 items in a single transaction can cause enormous cache bloat, or even exhaust the heap.
      i. Bulk loading should be broken down by committing a modestly-sized batch and opening a new transaction at frequent intervals. *(A consequence of this design is that the operation must leave enough information to restart it without re-adding work already committed, should the operation fail or be prematurely terminated by the user. The SAF importer is a good example.)*
      ii. Mass updates need two different transaction lifetimes: a query which generates the list of objects on which to operate, which lasts throughout the update; and the update queries, which should be committed frequently as above. This requires two transactions, so that the updates can be committed without ending the long-running query that tells us what to update.

**Ticket Summaries**

1. **Help us test / code review!** These are tickets needing code review/testing and flagged for a future release (ordered by release & priority)

<table>
<thead>
<tr>
<th>Key</th>
<th>Summary</th>
<th>T Created</th>
<th>Updated</th>
<th>Assignee</th>
<th>Reporter</th>
<th>P</th>
<th>Status</th>
<th>Fix Version /s</th>
</tr>
</thead>
<tbody>
<tr>
<td>DS-3962</td>
<td>Improve community-list performance</td>
<td><img src="https://cdn.pixy.org/icons/up.png" alt="up" /> Jul 23, 2018</td>
<td><img src="https://cdn.pixy.org/icons/up.png" alt="up" /> Jul 10, 2020</td>
<td>Unassigned</td>
<td>April Herron (Atmire)</td>
<td><img src="https://github.com/DSpace/DSpace/pull/2361" alt="CODE REVIEW NEEDED" /></td>
<td>6.5</td>
<td></td>
</tr>
<tr>
<td>DS-3952</td>
<td>Expose Request Copy</td>
<td><img src="https://cdn.pixy.org/icons/up.png" alt="up" /> Jul 12, 2018</td>
<td><img src="https://cdn.pixy.org/icons/up.png" alt="up" /> Aug 03, 2021</td>
<td>Mark H. Wood</td>
<td>Mark H. Wood</td>
<td><img src="https://github.com/DSpace/DSpace/pull/2361" alt="CODE REVIEW NEEDED" /></td>
<td>7.1</td>
<td></td>
</tr>
<tr>
<td>DS-4303</td>
<td>Old (v4-6) REST API is deprecated in v7, remove in v8</td>
<td><img src="https://cdn.pixy.org/icons/down.png" alt="down" /> Jul 17, 2019</td>
<td><img src="https://cdn.pixy.org/icons/up.png" alt="up" /> Mar 02, 2020</td>
<td>Unassigned</td>
<td>Tim Donohue</td>
<td><img src="https://github.com/DSpace/DSpace/pull/2361" alt="CODE REVIEW NEEDED" /></td>
<td>8.0</td>
<td></td>
</tr>
<tr>
<td>DS-4580</td>
<td>Authority control doesn’t update when editing item</td>
<td><img src="https://cdn.pixy.org/icons/up.png" alt="up" /> Apr 25, 2021</td>
<td><img src="https://cdn.pixy.org/icons/up.png" alt="up" /> Apr 25, 2021</td>
<td>Hrafn Malmquist</td>
<td>Hrafn Malmquist</td>
<td><img src="https://github.com/DSpace/DSpace/pull/2361" alt="CODE REVIEW NEEDED" /></td>
<td>6.4</td>
<td></td>
</tr>
<tr>
<td>DS-3849</td>
<td>REST API items resource returns items in non-deterministic order</td>
<td><img src="https://cdn.pixy.org/icons/up.png" alt="up" /> Feb 23, 2018</td>
<td><img src="https://cdn.pixy.org/icons/up.png" alt="up" /> Mar 28, 2020</td>
<td>Bram Luyten (Atmire)</td>
<td>Andrew Bennet</td>
<td><img src="https://github.com/DSpace/DSpace/pull/2361" alt="CODE REVIEW NEEDED" /></td>
<td>6.4</td>
<td></td>
</tr>
<tr>
<td>DS-4562</td>
<td>Database Connection Pooling: change maxWait default value</td>
<td><img src="https://cdn.pixy.org/icons/up.png" alt="up" /> Dec 08, 2020</td>
<td><img src="https://cdn.pixy.org/icons/up.png" alt="up" /> Dec 08, 2020</td>
<td>Unassigned</td>
<td>Hrafn Malmquist</td>
<td><img src="https://github.com/DSpace/DSpace/pull/2361" alt="CODE REVIEW NEEDED" /></td>
<td>6.4</td>
<td></td>
</tr>
</tbody>
</table>
### Newly created tickets this week:

<table>
<thead>
<tr>
<th>Key</th>
<th>Summary</th>
<th>T</th>
<th>Created</th>
<th>Assignee</th>
<th>Reporter</th>
<th>P</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>DS-4589</td>
<td>Node.js version used in &quot;easy&quot; Mirage 2 build is ancient</td>
<td>🟠 Aug 02, 2021</td>
<td>Unassigned</td>
<td>Alan Orth</td>
<td></td>
<td></td>
<td>CODE REVIEW NEEDED</td>
</tr>
</tbody>
</table>

1 issue

### Old, unresolved tickets with activity this week:

<table>
<thead>
<tr>
<th>Key</th>
<th>Summary</th>
<th>T</th>
<th>Created</th>
<th>Updated</th>
<th>Assignee</th>
<th>Reporter</th>
<th>P</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>DS-3996</td>
<td>The &quot;first few letters&quot; search input in the browse (authors, subject, etc) works poorly</td>
<td>🟠 Aug 29, 2018</td>
<td>Oct 29, 2020</td>
<td>Unassigned</td>
<td>Santiago Tettamanti</td>
<td>(SEDICI)</td>
<td></td>
<td>CODE REVIEW NEEDED</td>
</tr>
<tr>
<td>DS-4190</td>
<td>Word-break CSS class breaks words without hyphens in Firefox and Opera mini</td>
<td>🟠 Mar 15, 2019</td>
<td>Mar 15, 2019</td>
<td>Hrafn Malmquist</td>
<td>Hrafn Malmquist</td>
<td></td>
<td></td>
<td>CODE REVIEW NEEDED</td>
</tr>
<tr>
<td>DS-2852</td>
<td>Discovery search labels show authority key instead of author name</td>
<td>🟠 Oct 29, 2015</td>
<td>May 18, 2020</td>
<td>Unassigned</td>
<td>Bram Luyten</td>
<td>(Atmire)</td>
<td></td>
<td>CODE REVIEW NEEDED</td>
</tr>
<tr>
<td>DS-4382</td>
<td>BTE ignores fields on import if they are configured in input-types.xml using value pairs</td>
<td>🟠 Nov 11, 2019</td>
<td>Nov 11, 2019</td>
<td>Pascal-Nicolas Becker</td>
<td>Pascal-Nicolas Becker</td>
<td></td>
<td></td>
<td>CODE REVIEW NEEDED</td>
</tr>
<tr>
<td>DS-4201</td>
<td>Starts_with parameter shouldn't be passed when browsing an item index</td>
<td>🟠 Mar 28, 2019</td>
<td>Jun 24, 2019</td>
<td>Hrafn Malmquist</td>
<td>Hrafn Malmquist</td>
<td></td>
<td></td>
<td>CODE REVIEW NEEDED</td>
</tr>
</tbody>
</table>

Showing 20 out of 23 issues
<table>
<thead>
<tr>
<th>Issue</th>
<th>Description</th>
<th>Created</th>
<th>Updated</th>
<th>Assignee</th>
<th>Status</th>
<th>Author(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DS-4537</td>
<td>OAI index doesn't update for deleted items</td>
<td>Jul 14, 2020</td>
<td>Aug 03, 2021</td>
<td>Unassigned</td>
<td>CODE REVIEW NEEDED</td>
<td>Andrew Wood Atmire</td>
</tr>
<tr>
<td>DS-4493</td>
<td>ItemImport initialises language code with empty string when absent instead of null</td>
<td>Apr 27, 2020</td>
<td>Aug 03, 2021</td>
<td>Unassigned</td>
<td>CODE REVIEW NEEDED</td>
<td>Bram Luyten (Atmire)</td>
</tr>
<tr>
<td>DS-4477</td>
<td>Implement Resource Policy patch operations for PolicyType and action properties</td>
<td>Apr 07, 2020</td>
<td>Aug 03, 2021</td>
<td>Unassigned</td>
<td>VOLUNTEER NEEDED</td>
<td>Giuseppe Digilio (4Science)</td>
</tr>
<tr>
<td>DS-4460</td>
<td>Define an unique way to identify type in the REST API</td>
<td>Mar 16, 2020</td>
<td>Aug 03, 2021</td>
<td>Unassigned</td>
<td>RECEIVED</td>
<td>Andrea Bollini (4Science)</td>
</tr>
<tr>
<td>DS-4446</td>
<td>Add better checks before moving items between collections and remove items from collections</td>
<td>Feb 28, 2020</td>
<td>Aug 03, 2021</td>
<td>Unassigned</td>
<td>RECEIVED</td>
<td>Pascal-Nicolas Becker</td>
</tr>
<tr>
<td>DS-4405</td>
<td>Shiboleth Authentication empty header configuration are not ignored</td>
<td>Dec 19, 2019</td>
<td>Aug 03, 2021</td>
<td>Unassigned</td>
<td>RECEIVED</td>
<td>Andrea Bollini (4Science)</td>
</tr>
<tr>
<td>DS-4399</td>
<td>pdfbox and encrypted PDFs</td>
<td>Nov 28, 2019</td>
<td>Aug 03, 2021</td>
<td>Unassigned</td>
<td>RECEIVED</td>
<td>Ivan Masár</td>
</tr>
<tr>
<td>DS-4397</td>
<td>speed up controlled vocabulary loading</td>
<td>Nov 28, 2019</td>
<td>Aug 03, 2021</td>
<td>Unassigned</td>
<td>CODE REVIEW NEEDED</td>
<td>Ivan Masár</td>
</tr>
<tr>
<td>DS-4388</td>
<td>LDAP auth groupmap maps to a random value in case of multi-value attributes</td>
<td>Nov 19, 2019</td>
<td>Aug 03, 2021</td>
<td>Unassigned</td>
<td>ACCEPTED / CLAIMED</td>
<td>Ivan Masár</td>
</tr>
<tr>
<td>DS-4245</td>
<td>NPE in CSV export</td>
<td>May 10, 2019</td>
<td>Aug 03, 2021</td>
<td>Unassigned</td>
<td>MORE DETAILS NEEDED</td>
<td>Ivan Masár</td>
</tr>
<tr>
<td>DS-4242</td>
<td>Analyze if metadata &quot;place&quot; field can be removed in favor of JSON array ordering in REST API</td>
<td>May 06, 2019</td>
<td>Aug 03, 2021</td>
<td>Unassigned</td>
<td>VOLUNTEER NEEDED</td>
<td>Tim Donohue</td>
</tr>
<tr>
<td>DS-4168</td>
<td>Performing metadataschema or metadatafield PUT requests as an unprivileged user results in a 404 instead of a 403</td>
<td>Feb 14, 2019</td>
<td>Aug 03, 2021</td>
<td>Unassigned</td>
<td>VOLUNTEER NEEDED</td>
<td>Paulo Graça</td>
</tr>
<tr>
<td>DS-4051</td>
<td>Create an eperson with the same email of an existent user fails with a 500</td>
<td>Oct 11, 2018</td>
<td>Aug 03, 2021</td>
<td>Unassigned</td>
<td>VOLUNTEER NEEDED</td>
<td>Andrea Bollini (4Science)</td>
</tr>
<tr>
<td>DS-4038</td>
<td>Count method of the DSpaceRestRepository is wrong implemented</td>
<td>Oct 06, 2018</td>
<td>Aug 03, 2021</td>
<td>Unassigned</td>
<td>VOLUNTEER NEEDED</td>
<td>Andrea Bollini (4Science)</td>
</tr>
<tr>
<td>DS-3926</td>
<td>Use an HandlerMethodArgumentResolver to create the Patch object</td>
<td>Feb 01, 2018</td>
<td>Aug 03, 2021</td>
<td>Unassigned</td>
<td>VOLUNTEER NEEDED</td>
<td>Andrea Bollini (4Science)</td>
</tr>
<tr>
<td>DS-3778</td>
<td>Document the use of the Range header in the REST Contract</td>
<td>Dec 02, 2017</td>
<td>Aug 03, 2021</td>
<td>Unassigned</td>
<td>VOLUNTEER NEEDED</td>
<td>Andrea Bollini (4Science)</td>
</tr>
<tr>
<td>DS-3754</td>
<td>Review the SubmissionConfigReader and DCinputsReader to introduce enums</td>
<td>Nov 08, 2017</td>
<td>Aug 03, 2021</td>
<td>Unassigned</td>
<td>VOLUNTEER NEEDED</td>
<td>Andrea Bollini (4Science)</td>
</tr>
<tr>
<td>DS-3754</td>
<td>EPPersons cached as submitters aren't uncached when their item is</td>
<td>Aug 17, 2017</td>
<td>Aug 03, 2021</td>
<td>Unassigned</td>
<td>VOLUNTEER NEEDED</td>
<td>Pascal-Nicolas Becker</td>
</tr>
<tr>
<td>DS-3527</td>
<td>Add support for etag in GET requests</td>
<td>Mar 16, 2017</td>
<td>Aug 03, 2021</td>
<td>Unassigned</td>
<td>VOLUNTEER NEEDED</td>
<td>Andrea Bollini (4Science)</td>
</tr>
</tbody>
</table>

Showing 20 out of 22 issues
4. Tickets resolved this week:

<table>
<thead>
<tr>
<th>Key</th>
<th>Summary</th>
<th>T</th>
<th>Created</th>
<th>Assignee</th>
<th>Reporter</th>
<th>P</th>
<th>Status</th>
<th>Resolution</th>
</tr>
</thead>
<tbody>
<tr>
<td>DS-4575</td>
<td>Wrap around DBCP2 could provide more configurable options</td>
<td>🟢</td>
<td>Feb 24, 2021</td>
<td>Unassigned</td>
<td>Hrafn Malmquist</td>
<td></td>
<td>CLOSED</td>
<td>Fixed</td>
</tr>
<tr>
<td>DS-4574</td>
<td>Upgrade DBCP dependency</td>
<td>🟢</td>
<td>Feb 23, 2021</td>
<td>Unassigned</td>
<td>Hrafn Malmquist</td>
<td></td>
<td>CLOSED</td>
<td>Fixed</td>
</tr>
<tr>
<td>DS-4505</td>
<td>Performance issues with finding Collections/Communities a user has Admin rights on</td>
<td>🟠</td>
<td>May 15, 2020</td>
<td>Unassigned</td>
<td>Tim Donohue</td>
<td></td>
<td>CLOSED</td>
<td>Fixed</td>
</tr>
<tr>
<td>DS-4440</td>
<td>GDPR - Anonymize statistics feature</td>
<td>🟢</td>
<td>Feb 25, 2020</td>
<td>Unassigned</td>
<td>Samuel Cambien</td>
<td></td>
<td>CLOSED</td>
<td>Fixed</td>
</tr>
<tr>
<td>DS-4396</td>
<td>Shibboleth authentication REST implementation</td>
<td>🟢</td>
<td>Nov 27, 2019</td>
<td>Giuseppe Digilio (4Science)</td>
<td>Giuseppe Digilio (4Science)</td>
<td></td>
<td>CLOSED</td>
<td>Fixed</td>
</tr>
<tr>
<td>DS-4364</td>
<td>Editing Item Metadata Breaks Relationships</td>
<td>🟠</td>
<td>Oct 16, 2019</td>
<td>Unassigned</td>
<td>April Herron</td>
<td></td>
<td>CLOSED</td>
<td>Duplicate</td>
</tr>
<tr>
<td>DS-4257</td>
<td>Deploy Java Backend as a single (Spring Boot) webapp</td>
<td>🟢</td>
<td>May 21, 2019</td>
<td>Tim Donohue</td>
<td>Tim Donohue</td>
<td></td>
<td>CLOSED</td>
<td>Fixed</td>
</tr>
<tr>
<td>DS-4239</td>
<td>Migrate the workflow.xml to spring</td>
<td>🟢</td>
<td>May 02, 2019</td>
<td>Kevin Van de Velde (Atmire)</td>
<td>Kevin Van de Velde (Atmire)</td>
<td></td>
<td>CLOSED</td>
<td>Fixed</td>
</tr>
<tr>
<td>DS-4223</td>
<td>Metadata Schemas for configurable entities</td>
<td>🟢</td>
<td>Apr 25, 2019</td>
<td>Ben Bosman</td>
<td>Ben Bosman</td>
<td></td>
<td>CLOSED</td>
<td>Fixed</td>
</tr>
<tr>
<td>DS-4205</td>
<td>Upgrade to Handle Server v9</td>
<td>🟢</td>
<td>Apr 02, 2019</td>
<td>Tim Donohue</td>
<td>Tim Donohue</td>
<td></td>
<td>CLOSED</td>
<td>Fixed</td>
</tr>
<tr>
<td>DS-4181</td>
<td>Expose the CollectionRole and Workflow configuration over REST</td>
<td>🟢</td>
<td>Mar 06, 2019</td>
<td>Unassigned</td>
<td>Andrea Bollini</td>
<td></td>
<td>CLOSED</td>
<td>Fixed</td>
</tr>
<tr>
<td>DS-4110</td>
<td>SolrUpgradePre6xStatistics: Exception: invalid shift value in prefixCoded bytes (is encoded value really an INT?)</td>
<td>🟢</td>
<td>Dec 12, 2018</td>
<td>Terrence W Brady</td>
<td>Terrence W Brady</td>
<td></td>
<td>CLOSED</td>
<td>Fixed</td>
</tr>
<tr>
<td>DS-4071</td>
<td>webui.bitstream.order.* configurations unused in DSpace 6.x</td>
<td>🟠</td>
<td>Oct 31, 2018</td>
<td>Unassigned</td>
<td>Tim Donohue</td>
<td></td>
<td>CLOSED</td>
<td>Fixed</td>
</tr>
<tr>
<td>DS-4045</td>
<td>Cleanup the submission steps hierarchy</td>
<td>🟠</td>
<td>Oct 09, 2018</td>
<td>Unassigned</td>
<td>Andrea Bollini</td>
<td></td>
<td>CLOSED</td>
<td>Fixed</td>
</tr>
<tr>
<td>DS-3940</td>
<td>Sherpa Romeo old API sunset &amp; transition to new API</td>
<td>🟢</td>
<td>Jul 03, 2018</td>
<td>Kim Shepherd</td>
<td>Bram Luyten</td>
<td></td>
<td>CLOSED</td>
<td>Fixed</td>
</tr>
<tr>
<td>DS-3960</td>
<td>Remove any usage of HttpSession</td>
<td>🟢</td>
<td>Feb 28, 2018</td>
<td>Unassigned</td>
<td>Tom Desair</td>
<td></td>
<td>CLOSED</td>
<td>Fixed</td>
</tr>
<tr>
<td>DS-3825</td>
<td>Improve exception handling in the Submission classes</td>
<td>🟠</td>
<td>Feb 01, 2018</td>
<td>Luigi Andrea Pascarelli (4Science)</td>
<td>Andrea Bollini (4Science)</td>
<td></td>
<td>CLOSED</td>
<td>Fixed</td>
</tr>
<tr>
<td>DS-3747</td>
<td>Changes to the input-forms.xml</td>
<td>🟢</td>
<td>Nov 02, 2017</td>
<td>Unassigned</td>
<td>Andrea Bollini</td>
<td></td>
<td>CLOSED</td>
<td>Fixed</td>
</tr>
<tr>
<td>DS-3744</td>
<td>Configuration changes in DSpace 7</td>
<td>🟢</td>
<td>Nov 01, 2017</td>
<td>Unassigned</td>
<td>Andrea Bollini</td>
<td></td>
<td>CLOSED</td>
<td>Fixed</td>
</tr>
<tr>
<td>DS-3722</td>
<td>Dissemination Crosswalk over the new REST API</td>
<td>🟢</td>
<td>Oct 18, 2017</td>
<td>Unassigned</td>
<td>Andrea Bollini</td>
<td></td>
<td>CLOSED</td>
<td>Fixed</td>
</tr>
</tbody>
</table>
5. Tickets requiring review. This is the JIRA Backlog of “Received” tickets:

<table>
<thead>
<tr>
<th>Key</th>
<th>Summary</th>
<th>T</th>
<th>Created</th>
<th>Updated</th>
<th>Assignee</th>
<th>Reporter</th>
<th>P</th>
</tr>
</thead>
<tbody>
<tr>
<td>DS-4586</td>
<td>Item versioning: enable permanent handle reference to the most recent version of each item</td>
<td>🟢</td>
<td>Jul 21, 2021</td>
<td>Jul 22, 2021</td>
<td>Unassigned</td>
<td>Jozsef Marton</td>
<td></td>
</tr>
<tr>
<td>DS-4584</td>
<td>Cross site scripting</td>
<td>✅</td>
<td>Jun 08, 2021</td>
<td>Jun 09, 2021</td>
<td>Unassigned</td>
<td>Jaime Solorzano</td>
<td></td>
</tr>
<tr>
<td>DS-4583</td>
<td>SQL injection</td>
<td>✅</td>
<td>Jun 08, 2021</td>
<td>Jun 09, 2021</td>
<td>Unassigned</td>
<td>Jaime Solorzano</td>
<td></td>
</tr>
<tr>
<td>DS-4576</td>
<td>Export/import of Solr authority core with SolrImportExport not handling ORCID &quot;label&quot; multi-value</td>
<td>🟢</td>
<td>Feb 25, 2021</td>
<td>Feb 25, 2021</td>
<td>Unassigned</td>
<td>Sean Kalynuk</td>
<td></td>
</tr>
<tr>
<td>DS-4573</td>
<td>Filter Media relies on Bitstream Name rather than UUID, skipping files with identical names</td>
<td>✅</td>
<td>Feb 23, 2021</td>
<td>Feb 23, 2021</td>
<td>Unassigned</td>
<td>Claudia Jürgen</td>
<td></td>
</tr>
<tr>
<td>DS-4572</td>
<td>Deleted Bitstream corresponding extracted files not deleted</td>
<td>✅</td>
<td>Feb 23, 2021</td>
<td>Feb 23, 2021</td>
<td>Unassigned</td>
<td>Claudia Jürgen</td>
<td></td>
</tr>
<tr>
<td>DS-4571</td>
<td>Registration allows to register more than once with the same email</td>
<td>🟢</td>
<td>Feb 18, 2021</td>
<td>Feb 18, 2021</td>
<td>Unassigned</td>
<td>Santiago Tettamanti (SEDICI)</td>
<td></td>
</tr>
<tr>
<td>DS-4570</td>
<td>UUID fragments included in Legacy Usage Reports (log file based usage statistics)</td>
<td>✅</td>
<td>Feb 12, 2021</td>
<td>Feb 12, 2021</td>
<td>Unassigned</td>
<td>Anne Lawrence</td>
<td></td>
</tr>
<tr>
<td>DS-4569</td>
<td>Date Display in Browse Indices</td>
<td>✅</td>
<td>Feb 01, 2021</td>
<td>Feb 01, 2021</td>
<td>Unassigned</td>
<td>Claudia Jürgen</td>
<td></td>
</tr>
<tr>
<td>DS-4568</td>
<td>Possible to create multiple epersons with the same email address</td>
<td>🟢</td>
<td>Jan 29, 2021</td>
<td>Jan 29, 2021</td>
<td>Unassigned</td>
<td>Anne Lawrence</td>
<td></td>
</tr>
<tr>
<td>DS-4567</td>
<td>Solr statistics error</td>
<td>✅</td>
<td>Jan 26, 2021</td>
<td>Jan 26, 2021</td>
<td>Unassigned</td>
<td>Humberto Bianco</td>
<td></td>
</tr>
<tr>
<td>DS-4566</td>
<td>Export search results feature incorrectly escapes query parameters in search filters</td>
<td>🟢</td>
<td>Jan 26, 2021</td>
<td>Jan 26, 2021</td>
<td>Unassigned</td>
<td>Alan Orth</td>
<td></td>
</tr>
<tr>
<td>DS-4565</td>
<td>Unable to update archived Item using SWORDv2 as collection / community administrator</td>
<td>✅</td>
<td>Jan 19, 2021</td>
<td>Jan 19, 2021</td>
<td>Unassigned</td>
<td>Jakub ihák</td>
<td></td>
</tr>
<tr>
<td>DS-4558</td>
<td>RTS - Update bagit-support to 1.1.0</td>
<td>🟢</td>
<td>Oct 21, 2020</td>
<td>Oct 21, 2020</td>
<td>Michael Ritter</td>
<td>Michael Ritter</td>
<td></td>
</tr>
<tr>
<td>DS-4556</td>
<td>Replication Task Suite: Support the reporting of individual failures when part of a larger curation</td>
<td>🟢</td>
<td>Oct 14, 2020</td>
<td>Oct 14, 2020</td>
<td>Unassigned</td>
<td>Bill Branan</td>
<td></td>
</tr>
<tr>
<td>DS-4553</td>
<td>XMLUI generates useless links</td>
<td>✅</td>
<td>Sep 29, 2020</td>
<td>Sep 29, 2020</td>
<td>Unassigned</td>
<td>Hrafn Malmquist</td>
<td></td>
</tr>
<tr>
<td>DS-4550</td>
<td>OpenAIRE and dc.relation</td>
<td>✅</td>
<td>Sep 01, 2020</td>
<td>Sep 02, 2020</td>
<td>Unassigned</td>
<td>Gabriela Mircea</td>
<td></td>
</tr>
<tr>
<td>DS-4549</td>
<td>Significant performance issues when displaying items with many (100+) bitstreams</td>
<td>✅</td>
<td>Sep 01, 2020</td>
<td>Sep 01, 2020</td>
<td>Unassigned</td>
<td>Martin Walk</td>
<td></td>
</tr>
<tr>
<td>DS-4547</td>
<td>Google Analytics code should be moved to &lt;head&gt;</td>
<td>🟢</td>
<td>Aug 25, 2020</td>
<td>Aug 25, 2020</td>
<td>Unassigned</td>
<td>Bill Branan</td>
<td></td>
</tr>
<tr>
<td>DS-4546</td>
<td>No JSPUI index community list when changing language</td>
<td>✅</td>
<td>Aug 25, 2020</td>
<td>Aug 25, 2020</td>
<td>Unassigned</td>
<td>Alex</td>
<td></td>
</tr>
</tbody>
</table>

Showing 20 out of 92 issues
Meeting Transcript

Log from #dev-mtg Slack (All times are CDT)

Tim Donohue 3:00 PM
@here: It's time for our general DSpace DevMtg for this week. Last minute agenda was just posted to https://wiki.duraspace.org/display/DSPACE/DevMtg+2019-07-31

Mark Wood 3:00 PM
Hi

Tim Donohue 3:00 PM
Let's do a quick roll call to see who is joining today

Terry Brady 3:00 PM
hello

Tim Donohue 3:01 PM
Looks like just the usual crew... welcome Mark & Terry

So, today, I'm going to jump right into topic #2 on the agenda...as I'd like to allow for plenty of time for questions/concerns.

After a lot of consideration, I've decided that I need to step away from this meeting on a weekly basis...I've got too many meetings I'm chairing, and too much on the plate in getting DSpace 7 out the door

Therefore, this meeting will go on indefinite hiatus

more specifically, until either DSpace 7 wraps up, DSpace 6.4 ramps up, or someone else decides they want to chair this meeting (quite possibly without my regular attendance, until DSpace 7 starts to wrap up)

Terry Brady 3:04 PM
There is a chicken and egg bit. If this meeting doesn't happen, will there be a place to plug people in for production issues?

Then again, attendance has been really low for some time.

Tim Donohue 3:05 PM
That's the basics, but I welcome discussion and/or questions. I'm still more than willing to have ad hoc meetings to discuss topics that may not be getting enough attention in DSpace 7 WG meetings (or Entities meetings). But, I'd like those to be ad hoc

Mark Wood 3:05 PM
Understandable.

Tim Donohue 3:06 PM
@terrywbrady: I totally get it. But, as you noted, this meeting is sparsely attended...after a lot of realization that I have too many meetings (on a weekly basis), this is the least attended and least active meeting on that list :disappointed:

Terry Brady 3:06 PM
I like the dependencies that you have listed. I think those make sense.

Tim Donohue 3:06 PM
Doesn't mean I won't miss the meeting...and I do hope to restart it sometime in the near future :slightly_smiling_face:

Terry Brady 3:07 PM
If this meeting is resurrected, I recommend moving away from the chat-based format.

Tim Donohue 3:08 PM
@terrywbrady: there would also be the opportunity for that as well. Honestly, once the DSpace 7 WG starts to "ramp down", the big question in my mind will also be whether to simply "morph" that into the new DevMtg, or do we go back to chat-based. It will be a question I will ask

Mark Wood 3:08 PM
Ew, not another video thing. How do you 'grep' a pile of videos?

Tim Donohue 3:09 PM
I don't want to make the decisions on the future of this meeting now. :slightly_smiling_face: But, I'd encourage everyone to think about how to "recreate" an engaging developer meeting (once the time comes to do so)

In the meantime, honestly I'll do my best to still give regular DSpace 7 updates in Slack (#dev) and/or via mailing lists. I want to ensure people are aware of what is going on and feel looped in. Also, if topics come up that need a meeting, we can always borrow this meeting's old timeslot

Mark Wood 3:10 PM
I suspect that a general meeting will become more engaging once everybody is not thinking "I have too many meetings too, and DS7 deadlines looming...." :
:+1:

Terry Brady 3:12 PM
So, "going on hiatus" does mean I'll take this meeting off the DSpace calendar (starting in August, i.e. now). I'll post a notice on the wiki page (https://wiki.duraspace.org/display/DSPACE/DeveloperMeetings) about the hiatus, and the terms I stated about when this meeting will restart

I'll also note that ad hoc meetings (or general developer advice) can be asked for at any time on #dev Slack :
:+1:
(and a reminder that all are welcome in the various working group meetings as well, obviously...even just to lurking)

Any other thoughts/questions/concerns here (including from anyone lurking and reading along)?

Mark Wood 3:15 PM

Updates on #dev will at least keep ongoing development in front of everybody's eyes. I don't want to see people wander off, and wind up with 1000 forks of DSpace with no "center" like some projects I could name. :+1:

Tim Donohue 3:16 PM

@mwood: completely agreed. I don't think that'll happen :slightly_smiling_face:

And quite frankly...please keep me honest here. If you (or anyone) want an update on DSpace 7 or a specific feature / concept please ask on #dev and ping me by name

Ian Little 3:17 PM

I've found this meeting more useful than video, as someone randomly jumping in.

Tim Donohue 3:17 PM

I'm always willing to clarify or answer questions. I might not even realize there's confusion out there...but, I'm always glad to help clarify or add more info, or provide advice, etc

@Ian Little: welcome, and thanks for the feedback :slightly_smiling_face:

FWIW, as a side note, I have started summarizing any Zoom meetings we have (for working groups) in "Notes" on the meeting pages themselves. So, that's another area to get updates...it's just a summary though, not all the detailed discussion

Mark Wood 3:19 PM

Thank you.

Tim Donohue 3:20 PM

Ok, that's all I had to say, and I'm not seeing anyone typing...so, I'll leave it at that. Again though, always glad to answer questions or give advice via Slack or email (though I'll admit to having a preference to being asked questions more publicly when it makes sense to do so...as it lets others also see the answer and ask followups if they have any)

So, jumping back up to topic #1 on the agenda..updates from other meetings. I'll admit, not a ton of "big things" happening right now. But, both DSpace 7 WG and DSpace 7 Entities WG are active, and the meetings are well attended overall.

As noted, I've been taking notes / summarizing all discussions on the meeting pages. So, for example, the notes for last week's DSpace 7 WG are here: https://wiki.duraspace.org/display/DSpace/2019-07-25+DSpace+7+Working+Group+Meeting#id-2019-07-25DSpace7WorkingGroupMeeting-Notes

Mark Wood 3:23 PM

TBH all the planning is going on in WG meetings right now. Presumably many of us will be back here to figure out what DS8 will be. :slightly_smiling_face:

Tim Donohue 3:23 PM

Yes, definitely :slightly_smiling_face:

Notes from last week's DSpace 7 Entities WG are also available here: https://wiki.duraspace.org/display/DSpace/2019-07-30+DSpace+7+Entities+WG+Meeting (Just realized I need to make a direct link to the "Notes" section, it's at the bottom of the page though)

So, I have no major updates on DSpace 7... work is ongoing, and there's a lot of activity. At the same time, there's quite a bit left to do. In the coming weeks, we'll be working to better estimate remaining work (some scoping of that has already started, but other areas are being discussed and scoped in coming weeks)

Any other questions I can answer though on DSpace 7 or the working group meetings in general?

Mark Wood 3:26 PM

None here.

Tim Donohue 3:27 PM

Ok, that's it for those general updates then

Jumping down to topics under "Ongoing Work" (topic #3)

And, as a sidenote, I'd still like to hear updates here on the subtopics in this section...I'd recommend they move to the DSpace 7 WG (where applicable) or just general Slack updates

Mark Wood 3:28 PM

OK

Tim Donohue 3:28 PM

First up though, Solr Upgrade for DSpace 7. Any updates this week, @mwood? https://wiki.duraspace.org/display/DSpace/Upgrading+Solr+Server+for+DSpace

Mark Wood 3:29 PM

I've pulled together a test instance with several years of stat. data. And I just realized that I need to patch in the tool for updating the stat. core with UUIDs, which is not released yet.

The statistics pages look weird when there are no stat.s at all.

Loading these data was a good preliminary check of the upgrade process. I am more nearly certain that we won't need my new authority dumper/loader; the statistics tool will do that too, if we document it more fully.

Tim Donohue 3:31 PM

Good to hear no extra upgrade tools need to be built for that!

Mark Wood 3:31 PM

After I get the UUIDs set and can see some stat.s in the UI, I'll actually run an upgrade to 7 and see what breaks.
That's all for now.
Tim Donohue 3:32 PM

Sounds good. And just to clarify, the UUID issue you are talking about is just ensuring your old (presumably 5.x or below) stats are first updated to 6.x compatibility?
Mark Wood 3:32 PM

(I also need to patch that tool into the production instance from which I got the data, because it won't be showing any stats either!)
Tim Donohue 3:33 PM

So, you are trying to get to 6.x stats first...then doing the 7 upgrade?
Mark Wood 3:33 PM

Yes, I got the data from a v5 system that we upgraded to 6.
Yes, I took data from a 6.2 system for testing.
Tim Donohue 3:34 PM

Gotcha. So, this is an area we'll need to likely just add some notes to docs.... Make sure you first update your Stats to 6.x compatibility (turn into UUID based) before moving to 7.x. It sounds like you'd need to do that to go from 5.x (or below) to 7.x
Mark Wood 3:34 PM

It's been fun figuring out how to make a copy of a large-ish repo. without finding space on my office system for 300GB of documents.
Yes, I'll be working over the procedure documentation again after I finally get this testing done.
Tim Donohue 3:36 PM

Makes sense. Thanks for all the work here & for working through the procedure to nail it down. Overall, I'm really glad to hear we should (hopefully) have all the tools we need...just need to finalize the procedure & have others try it out, etc
Terry Brady 3:37 PM

If someone goes from 5x -> 7x, will they be able to upgrade stats records in 7x or will they need to perform that action in 6x?
Mark Wood 3:37 PM

I think it should work, to upgrade to UUIDs in 7x.
It's something to test.
:+1:

It's a good question, thanks. I've made a note.
Terry Brady 3:38 PM

As long as the records can get into solr, I think the upgrade tools will work on them.
Mark Wood 3:39 PM

This shows why we need some lurkers in the WG meetings, to stir up the folk who are head-down and racing for the finish line.
Tim Donohue 3:41 PM

@mwood: not sure I understand the full context there, but I'm always glad to have lurkers in WG meetings :

:+1:

It may have an open PR relating to the stats fix. Let me look at that.
Terri Brady 3:40 PM

I may have an open PR relating to the stats fix. Let me look at that.
https://github.com/DSpace/DSpace/pull/2292/files
Tim Donohue 3:42 PM

Thanks, at this time I don't know which will come first (6.4 or 7.0), to be totally honest. If I were to guess though, I'd currently guess 7.0 as there's more activity there...but 6.4 is a quicker release to achieve if someone(s) decides to run with it.

#2292 needs another review/test, and eventually a port to master
Ok, so, it sounds like this topic has wrapped up? A couple good points / next steps here...anything else to add
Mark Wood 3:43 PM

I've added a note to my "review these" list.
:+1:

Nothing from me just now.
Ok, sounds good then. Let's move along then to other topics.
@terrywbrady: Any updates/comments on the DSpace + Docker efforts? I've been reading along on #dspace-docker channel, but not sure if you wanted to summarize, or report updates?
Tim Donohue 3:50 PM
I hope to pull together some interested folks to chat about this. So far only @pbecker and @kshepherd have expressed interest.
Tim Donohue 3:51 PM
I'm interested in hearing about the discussion...but not sure I'm needed for the actual meeting (assuming that's the next step)
Terry Brady 3:51 PM
The following section describes some of the potential docker deployment options and some of the parts of the system that might need to change in order to accomplish that goal. https://wiki.duraspace.org/display/DSPACE/DSpace+Docker+and+Cloud+Deployment+Goals#DSpaceDockerandCloudDeploymentGoals-DeploymentOptions
Tim Donohue 3:51 PM
Plus, it sounds like getting a meeting scheduled between the 3 of you (on different continents) will be complex enough :wink:
Terry Brady 3:53 PM
When you start talking about a DSpace 8 roadmap, I recommend spending some time evaluating this info.
Tim Donohue 3:54 PM
Definitely....and some of these topics have already come up elsewhere too...like "Migrate all CLI functionality to REST API calls". That's come up in DSpace 7 discussions already, but I don't think it'll happen entirely in v7
Mark Wood 3:54 PM
Is there a public list of "things we're putting off until DSpace 8"?
Tim Donohue 3:55 PM
Not a fully maintained one. But there is this page. Feel free to add to it: https://wiki.duraspace.org/display/DSPACE/DSpace+Release+8.0+Status
Mark Wood 3:55 PM
Ah, of course, thanks.
Tim Donohue 3:55 PM
Only one item is there right now though
Terry Brady 3:56 PM
Could this be added to that list as "Refactor for Docker/Container Deployment".
Tim Donohue 3:57 PM
Possibly, though it might be worth breaking that down some. There's a lot on your list here.... That said, putting it on there as a massive list is better than nothing for now.
Terry Brady 3:57 PM
I would also like to propose the migration of the REST reporting tools since they will become deprecated.
Mark Wood 3:58 PM
Hit "e" and add it.
Kim Shepherd:musical_note: 3:58 PM
Sorry folks, I slept in this morning!
Tim Donohue 3:59 PM
Yes, add the REST reporting tools to that list please
Terry Brady 3:59 PM
Is it OK to add to this page? I was not certain if you curated this @tdonohue
Tim Donohue 3:59 PM
And the Docker stuff should be added for more discussion. I was just thinking some of the Docker changes you've listed here are non-obvious (to me). There's a few that I'd say immediately "yes, let's do that". Others, we'd need to discuss more
Mark Wood 3:59 PM
Welcome @kshepherd.
Tim Donohue 4:00 PM
No, this list is not curated at this time @terrywbrady. Please add anything to it. As DSpace 8 discussions ramp up, we'll curate & comb through it more.
Mark Wood 4:00 PM
I reckon that that list will become a source of discussion and may have some items moved to "DSpace release 9.0 status".
:+1:
1
Tim Donohue 4:01 PM
(And I don't think DSpace 8 discussions will ramp up anytime soon, so adding things while we are thinking about them is a good idea...otherwise we'll forget them once DSpace 8 discussions start)
Mark Wood 4:01 PM
So, we shouldn't be too shy of making reasonable additions.
Tim Donohue 4:02 PM
Correct. If it's something that has come up in a discussion between two Committers or two trusted developers... add it in. Crazy brainstorms run by someone else first for a sanity check...then possibly add it :wink:
(edited)
Terry Brady 4:03 PM
Great. 2 items added.

Tim Donohue 4:04 PM
Ok, I'm realizing we are over time here. So, it's time to wrap up this meeting. As noted, unfortunately this will be our last general DevMtg for a while...but I'd encourage attendance (or reading notes) of DSpace 7 WG meetings & ad hoc discussions (possibly meetings) via Slack.
In the meantime, also as noted, don't be shy about asking me questions. Glad to help or clarify or give ad hoc updates on #dev or similar.
Thanks all! I hope you have a good rest of the week, and hope to catch you in tomorrow's DSpace 7 WG meeting or on Slack or GitHub

Mark Wood 4:05 PM
Thanks, 'bye.

Kim Shepherd:musical_note: 4:05 PM
Thanks