

DevMtg 2017-08-16

Developers Meeting on Weds, Aug 16, 2017

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)
 - Please note that all meetings are [publicly logged](#)

Agenda

Quick Notes / Reminders

- **NEXT DSpace 7 UI MEETING:** TOMORROW, Aug 17 at 15:00 UTC (11:00am EDT) in Google Hangouts
 - [DSpace 7 Working Group](#) - Watch this page for initial ongoing updates on meetings, etc.

Discussion Topics

1. Tim will be out next Tues / Weds, attending the DSpace User Group meeting at Georgetown. (Terry Brady & Mark Wood will also be at this meeting)
 - Do we want to cancel next week's DevMtg (Aug 23 at 15UTC)? Or does someone else want to organize/run the meeting?
2. DSpace 6.2 Immediate Release to fix Hibernate issues:
 - a. [DS-3659](#) - Database migrate fails to create the initial groups CLOSED
 - b. [DS-3648](#) - XMLUI Batch Import Failure CLOSED
 - c. [DS-3656](#) - DOIOrganiser CLI does not change the database anymore CLOSED
 - d. [DS-3660](#) - Items fail to be reindexed on metadata change when 'authority' consumer is enabled CLOSED
 - e. Any other very obvious wins to "dspace-6_x" branch? https://github.com/DSpace/DSpace/pulls?utf8=%E2%9C%93&q=is%3Apr%20is%3Aopen%20base%3Adspace-6_x%20
3. Discussion of DB Connections in DSpace 6 (Hibernate) vs DSpace 5. (More notes at [DSpace Database Access](#))
 - a. 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.
 - b. 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. This is what we saw in DS-3659, two separate Context objects used the same connection, and one accidentally rolled back the changes of a previous Context (because they were in the same thread).
 - ii. 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
4. DSpace High Priority Tickets
 - a. High Priority (Blocker, Critical or Major) and flagged for release

| Key | Summary | T | Created | Updated | Assignee | Reporter | P | Status | Fix Version /s |
|---------|---|---|--------------|--------------|------------|-------------|---|--------------------|----------------|
| DS-4303 | Old (v4-6) REST API is deprecated in v7, remove in v8 | | Jul 17, 2019 | Mar 02, 2020 | Unassigned | Tim Donohue | | CODE REVIEW NEEDED | 8.0 |
| DS-4039 | Enhance Delete EPerson endpoint in REST API | | Oct 08, 2018 | Nov 01, 2019 | Unassigned | Tim Donohue | | VOLUNTEER NEEDED | 7.0 |

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|---------|--|---|--------------|--------------|-----------------------------|-----------------------------|---|------------------------|-----|
| DS-4460 | Define an unique way to identify type in the REST API |  | Mar 16, 2020 | Mar 16, 2020 | Unassigned | Andrea Bollini (4Science) |  | RECEIVED | 7.0 |
| DS-4443 | When a workspace is deleted the related solr record is not deleted |  | Feb 27, 2020 | Apr 10, 2020 | Kevin Van de Velde (Atmire) | Giuseppe Digilio (4Science) |  | CODE REVIEW NEEDED | 7.0 |
| DS-4079 | Irrelevant retention of old collection workflow steps when upgrading to xmlworkflow |  | Nov 12, 2018 | Nov 21, 2018 | Unassigned | Jonas Van Goolen (Atmire) |  | CODE REVIEW NEEDED | 7.0 |
| DS-3860 | Remove any usage of HttpSession |  | Feb 28, 2018 | Apr 18, 2018 | Unassigned | Tom Desair |  | VOLUNTEER NEEDED | 7.0 |
| DS-3491 | Implicit relation between bitstreams (original file <> thumbnails <> extracted text) should be made explicit |  | Feb 13, 2017 | Dec 02, 2017 | Unassigned | Andrea Bollini (4Science) |  | VOLUNTEER NEEDED | 7.0 |
| DS-4528 | Scripts & processes: Integration test for parallel processes |  | Jun 18, 2020 | Jun 22, 2020 | Unassigned | Kevin Van de Velde (Atmire) |  | RECEIVED | 7.0 |
| DS-4505 | Performance issues with finding Collections /Communities a user has Admin rights on |  | May 15, 2020 | May 21, 2020 | Unassigned | Tim Donohue |  | RECEIVED | 7.0 |
| DS-4497 | Upgrade to Solr v8 |  | May 01, 2020 | Jun 29, 2020 | Mark H. Wood | Tim Donohue |  | ACCEPTED / CLAIMED | 7.0 |
| DS-4396 | Shibboleth authentication REST implementation |  | Nov 27, 2019 | Mar 30, 2020 | Giuseppe Digilio (4Science) | Giuseppe Digilio (4Science) |  | AWAITING DOCUMENTATION | 7.0 |
| DS-4364 | Editing Item Metadata Breaks Relationships |  | Oct 16, 2019 | Feb 07, 2020 | Unassigned | April Herron (Atmire) |  | VOLUNTEER NEEDED | 7.0 |
| DS-4257 | Deploy Java Backend as a single (Spring Boot) webapp |  | May 21, 2019 | Feb 13, 2020 | Tim Donohue | Tim Donohue |  | AWAITING DOCUMENTATION | 7.0 |
| DS-4239 | Migrate the workflow.xml to spring |  | May 02, 2019 | Jun 30, 2020 | Kevin Van de Velde (Atmire) | Kevin Van de Velde (Atmire) |  | AWAITING DOCUMENTATION | 7.0 |
| DS-4225 | code optimizations for entities |  | Apr 25, 2019 | Apr 27, 2019 | Ben Bosman | Ben Bosman |  | ACCEPTED / CLAIMED | 7.0 |

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|---------|---|--|--------------|--------------|------------------|-----------------------|--|------------------------|-----|
| DS-4205 | Upgrade to Handle Server v9 | | Apr 02, 2019 | Jul 28, 2020 | Tim Donohue | Tim Donohue | | AWAITING DOCUMENTATION | 7.0 |
| DS-4186 | Using "StartsWith" on Browse Title/Author endpoints breaks some pagination features | | Mar 08, 2019 | Jun 24, 2019 | Unassigned | Tim Donohue | | VOLUNTEER NEEDED | 7.0 |
| DS-2588 | Remove or merge pre-3.0 Embargo functionality with new Embargo | | May 21, 2015 | Oct 04, 2019 | Terrence W Brady | Tim Donohue | | ACCEPTED / CLAIMED | 7.0 |
| DS-3675 | EPersons cached as submitters aren't uncached when their item is | | Aug 17, 2017 | Sep 07, 2017 | Unassigned | Pascal-Nicolas Becker | | VOLUNTEER NEEDED | 7.0 |
| DS-3503 | Create separate GitHub Projects for XMLUI and JSPUI (post-6.x) | | Feb 20, 2017 | Oct 04, 2017 | Tim Donohue | Tim Donohue | | ACCEPTED / CLAIMED | 7.0 |

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b. Need Code Review, Flagged for Release

| Key | Summary | T | Created | Updated | Assignee | Reporter | P | Status | Fix Version /s |
|---------|---|---|--------------|--------------|-----------------------------|-----------------------------|---|--------------------|----------------|
| DS-3962 | Improve community-list performance | | Jul 23, 2018 | Jul 10, 2020 | Unassigned | April Herron (Atmire) | | CODE REVIEW NEEDED | 6.5 |
| DS-4303 | Old (v4-6) REST API is deprecated in v7, remove in v8 | | Jul 17, 2019 | Mar 02, 2020 | Unassigned | Tim Donohue | | CODE REVIEW NEEDED | 8.0 |
| DS-4443 | When a workspaceitem is deleted the related solr record is not deleted | | Feb 27, 2020 | Apr 10, 2020 | Kevin Van de Velde (Atmire) | Giuseppe Digilio (4Science) | | CODE REVIEW NEEDED | 7.0 |
| DS-4079 | Irrelevant retention of old collection workflow steps when upgrading to xmlworkflow | | Nov 12, 2018 | Nov 21, 2018 | Unassigned | Jonas Van Goolen (Atmire) | | CODE REVIEW NEEDED | 7.0 |
| DS-626 | Exchange Usage Data with IRUS UK/USA /AUS/... | | Jul 08, 2010 | Feb 20, 2020 | Bram Luyten (Atmire) | Bram Luyten (Atmire) | | CODE REVIEW NEEDED | 7.0 |
| DS-4537 | OAI index doesn't update for deleted items | | Jul 14, 2020 | Jul 17, 2020 | Unassigned | Andrew Wood Atmire | | CODE REVIEW NEEDED | 7.0 |
| DS-4522 | Logical item filtering (with implementation of filtered DOI provider) | | Jun 08, 2020 | Jun 24, 2020 | Kim Shepherd | Kim Shepherd | | CODE REVIEW NEEDED | 7.0 |

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|---------|---|---|--------------|--------------|-----------------------------|-----------------------------|---|--------------------|-----|
| DS-4410 | Send a "welcome letter" to new users | + | Jan 02, 2020 | Jan 03, 2020 | Mark H. Wood | Mark H. Wood | ☰ | CODE REVIEW NEEDED | 7.0 |
| DS-4370 | Allow structure builder to import beneath an existing community | ↑ | Oct 21, 2019 | Oct 21, 2019 | Kim Shepherd | Kim Shepherd | ☰ | CODE REVIEW NEEDED | 7.0 |
| DS-4300 | Optionally apply given Handles when importing community /collection structure | + | Jul 15, 2019 | Jan 06, 2020 | Mark H. Wood | Mark H. Wood | ☰ | CODE REVIEW NEEDED | 7.0 |
| DS-4289 | SAF exporter does not write the 'collections' file | ↑ | Jul 01, 2019 | Jul 10, 2019 | Mark H. Wood | Mark H. Wood | ☰ | CODE REVIEW NEEDED | 7.0 |
| DS-4145 | Curation basic link checker doesn't follow redirects | + | Jan 14, 2019 | Jan 14, 2019 | Kevin Van de Velde (Atmire) | Kevin Van de Velde (Atmire) | ☰ | CODE REVIEW NEEDED | 7.0 |
| DS-4118 | change_password and register emails have hardcoded sample addresses | ⬮ | Dec 17, 2018 | Feb 05, 2020 | Mark H. Wood | Rob Jenson | ☰ | CODE REVIEW NEEDED | 7.0 |
| DS-4093 | Update maven-surefire-plugin to 3.0.0-M1 | ☰ | Dec 03, 2018 | Dec 03, 2018 | Unassigned | Ivan Masár | ☰ | CODE REVIEW NEEDED | 7.0 |
| DS-3992 | Improve the exception handling in DSpace REST 7 | ☰ | Aug 23, 2018 | Oct 12, 2018 | Michael Spalti | Andrea Bollini (4Science) | ☰ | CODE REVIEW NEEDED | 7.0 |
| DS-3952 | Expose Request Copy | + | Jul 12, 2018 | Oct 31, 2018 | Mark H. Wood | Mark H. Wood | ☰ | CODE REVIEW NEEDED | 7.0 |
| DS-3951 | Send Request Copy email to multiple recipients, and some new recipient strategies | + | Jul 12, 2018 | Jul 12, 2018 | Mark H. Wood | Mark H. Wood | ☰ | CODE REVIEW NEEDED | 7.0 |
| DS-3879 | Enable XInclude for some XML configuration documents | ↑ | Mar 28, 2018 | Feb 28, 2020 | Mark H. Wood | Mark H. Wood | ☰ | CODE REVIEW NEEDED | 7.0 |
| DS-3749 | Selective enabling of identifier generation per-container | + | Nov 02, 2017 | Oct 31, 2019 | Mark H. Wood | Mark H. Wood | ☰ | CODE REVIEW NEEDED | 7.0 |
| DS-2670 | Restrospectively create DOI's for alle items in archive | ↑ | Jul 22, 2015 | Jun 22, 2018 | Mark H. Wood | Claudia Jürgen | ☰ | CODE REVIEW NEEDED | 7.0 |

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5. *DSpace + Spring*: Slack Discussion on whether DSpace codebase should move more towards the Spring way of doing things (e.g. Dependency Injection via beans) or the traditional DSpace patterns (e.g. classloaders with little DI).
 - a. This was asked on dspace-devel: <https://groups.google.com/d/msg/dspace-devel/oBWibfQUXzI/y05K-wpLAgAJ>
6. [DS-3372](#) and [DS-3587](#): discussion required, should we add more SQL dialect support? MySQL, MS SQL? Are we ready to support, test and maintain these dialects in the future?
 - a. Also asked on dspace-devel: <https://groups.google.com/d/msg/dspace-devel/UftU7AFZjs0/UOgiSnJKAgAJ>
7. Other Tickets needing discussion (Please feel free to add any you wish to discuss under this topic)
8. Reviewing JIRA Tickets or PRs
 - a. Please feel free to bring any that need eyes / immediate discussion
 - b. [JIRA Backlog of "Received" tickets](#)
 - c. [All open PRs](#)

Ticket Summaries

1. Help us test / code review! These are tickets needing code review/testing and flagged for a future release:

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| DS-4537 | OAI index doesn't update for deleted items | | Jul 14, 2020 | Jul 17, 2020 | Unassigned | Andrew Wood (Atmire) | | CODE REVIEW NEEDED | 7.0 |
| DS-4522 | Logical item filtering (with implementation of filtered DOI provider) | | Jun 08, 2020 | Jun 24, 2020 | Kim Shepherd | Kim Shepherd | | CODE REVIEW NEEDED | 7.0 |
| DS-4410 | Send a "welcome letter" to new users | | Jan 02, 2020 | Jan 03, 2020 | Mark H. Wood | Mark H. Wood | | CODE REVIEW NEEDED | 7.0 |
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| DS-4300 | Optionally apply given Handles when importing community /collection structure | | Jul 15, 2019 | Jan 06, 2020 | Mark H. Wood | Mark H. Wood | | CODE REVIEW NEEDED | 7.0 |
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| DS-3952 | Expose Request Copy | | Jul 12, 2018 | Oct 31, 2018 | Mark H. Wood | Mark H. Wood | | CODE REVIEW NEEDED | 7.0 |
| DS-3951 | Send Request Copy email to multiple recipients, and some new recipient strategies | | Jul 12, 2018 | Jul 12, 2018 | Mark H. Wood | Mark H. Wood | | CODE REVIEW NEEDED | 7.0 |
| DS-3879 | Enable XInclude for some XML configuration documents | | Mar 28, 2018 | Feb 28, 2020 | Mark H. Wood | Mark H. Wood | | CODE REVIEW NEEDED | 7.0 |
| DS-3749 | Selective enabling of identifier generation per-container | | Nov 02, 2017 | Oct 31, 2019 | Mark H. Wood | Mark H. Wood | | CODE REVIEW NEEDED | 7.0 |

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2. Newly created tickets this week:

| Key | Summary | T | Created | Assignee | Reporter | P | Status |
|-----|---------|---|---------|----------|----------|---|--------|
|-----|---------|---|---------|----------|----------|---|--------|

No issues found

3. Old, unresolved tickets with activity this week:

| Key | Summary | T | Created | Updated | Assignee | Reporter | P | Status |
|-----|---------|---|---------|---------|----------|----------|---|--------|
|-----|---------|---|---------|---------|----------|----------|---|--------|

No issues found























4. Tickets resolved this week:

| Key | Summary | T | Created | Assignee | Reporter | P | Status | Resolution |
|---------|--|---|--------------|-----------------|--------------|---|---------------|------------|
| DS-4162 | Bower version 1.7.9 has SECURITY BUG | | Feb 05, 2019 | Hrafn Malmquist | Sven Soliman | | CLOSED | Fixed |
| DS-2569 | Creative Commons web service failure breaks submission | | May 08, 2015 | Hrafn Malmquist | Mark H. Wood | | CLOSED | Fixed |

2 issues

5. Tickets requiring review. This is the JIRA Backlog of "Received" tickets:

| Key | Summary | T | Created | Updated | Assignee | Reporter | P |
|---------|--|---|--------------|--------------|--------------|-----------------|---|
| DS-4550 | OpenAIRE and dc.relation | | Sep 01, 2020 | Sep 02, 2020 | Unassigned | Gabriela Mircea | |
| DS-4549 | Significant performance issues when displaying items with many (100+) bitstreams | | Sep 01, 2020 | Sep 01, 2020 | Unassigned | Martin Walk | |
| DS-4548 | org.dspace.core.LogManager is poorly named | | Aug 31, 2020 | Aug 31, 2020 | Mark H. Wood | Mark H. Wood | |
| DS-4547 | Google Analytics code should be moved to <head> | | Aug 25, 2020 | Aug 25, 2020 | Unassigned | Bill Branan | |
| DS-4546 | No JSPUI index community list when changing language | | Aug 25, 2020 | Aug 25, 2020 | Unassigned | Alex | |
| DS-4544 | No RDF conversion of custom metadata | | Aug 11, 2020 | Aug 19, 2020 | Unassigned | Tim Hendriks | |
| DS-4541 | Cross-site scripting (XSS injection) is possible in JSPUI Browse | | Jul 21, 2020 | Jul 21, 2020 | Unassigned | Raul Ruiz | |
| DS-4536 | Autocomplete not working in Mirage2 (submission) | | Jul 14, 2020 | Aug 13, 2020 | Unassigned | F. Rapp | |
| DS-4535 | Lookup during submission not working as expected | | Jul 09, 2020 | Jul 13, 2020 | Unassigned | F. Rapp | |

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|---------|--|---|--------------|--------------|------------|-----------------------------|---|
| DS-4533 | Display embargo end date |  | Jun 24, 2020 | Jun 24, 2020 | Unassigned | Philip Young |  |
| DS-4532 | Dealing with embargo expiring during workflow |  | Jun 22, 2020 | Jun 22, 2020 | Unassigned | Deborah Fitchett |  |
| DS-4531 | Dealing with embargo expiring during workflow |  | Jun 22, 2020 | Jun 22, 2020 | Unassigned | Deborah Fitchett |  |
| DS-4528 | Scripts & processes: Integration test for parallel processes |  | Jun 18, 2020 | Jun 22, 2020 | Unassigned | Kevin Van de Velde (Atmire) |  |
| DS-4526 | Add unit test for new methods in CollectionService |  | Jun 16, 2020 | Jun 16, 2020 | Unassigned | Andrea Bollini (4Science) |  |
| DS-4523 | ORCID / solr authority control not working in DSpace 7 |  | Jun 10, 2020 | Jun 10, 2020 | Unassigned | Ben Bosman |  |
| DS-4520 | RDFizer incompatible with Virtuoso triple store |  | Jun 02, 2020 | Jun 02, 2020 | Unassigned | Tim Hendriks |  |
| DS-4519 | RDF consumer causes exception creating admin user |  | Jun 02, 2020 | Jun 02, 2020 | Unassigned | Tim Hendriks |  |
| DS-4518 | Google Scholar Tags: deprecate citation_date in favor of citation_publication_date |  | May 29, 2020 | May 29, 2020 | Unassigned | Bram Luyten (Atmire) |  |
| DS-4513 | IP Authentication not working in DSpace 7 |  | May 26, 2020 | Jun 04, 2020 | Unassigned | Ben Bosman |  |
| DS-4511 | Wrong Maximum Number of DB Connections in Pool. |  | May 22, 2020 | May 22, 2020 | Unassigned | Marcio Fernandes da Costa |  |

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Meeting Notes

Meeting Transcript

- IRC Transcript is available at - <http://irclogs.duraspace.org/index.php?date=2017-08-16>