

DevMtg 2017-09-27

Developers Meeting on Weds, Sept 27, 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, Sept 28 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. DSpace German User Group (Anwendertreffen) was a great success! Thanks to [Pascal-Nicolas Becker](#) and others involved in organizing. Presentations available at [DSpace Anwendertreffen 2017](#)
2. (**RESCHEDULED FOR OCTOBER 4**) DOI field discussion. Where do we store DOIs going forward? (dc.identifier.doi?)
 - a. See this #dev Slack discussion on Sept 20: <https://dspace-org.slack.com/archives/C3SG47SGY/p1505923323000280>
3. [Terrence W Brady](#)'s work with DSpace 6 + Codenvy: <https://github.com/terrywbrady/dspace-on-codenvy/blob/master/README.md>
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 | Oct 18, 2019 | Unassigned | Tim Donohue |  | VOLUNTEER NEEDED | 8.0 |
| DS-3041 | Replace traditional workflow with Configurable Workflow |  | Feb 05, 2016 | Aug 21, 2019 | Unassigned | Mark H. Wood |  | VOLUNTEER NEEDED | 7.0 |
| DS-4039 | Enhance Delete EPerson endpoint in REST API |  | Oct 08, 2018 | Nov 01, 2019 | Unassigned | Tim Donohue |  | VOLUNTEER NEEDED | 7.0 |
| DS-4394 | Ensure that the new REST API hide information to not authorized users |  | Nov 26, 2019 | Jan 06, 2020 | Unassigned | Andrea Bollini (4Science) |  | VOLUNTEER NEEDED | 7.0 |
| DS-4043 | Revisit the security layer of the submission |  | Oct 08, 2018 | Jan 06, 2020 | Andrea Bollini (4Science) | Andrea Bollini (4Science) |  | ACCEPTED / CLAIMED | 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 |

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|---------|---|--|--------------|--------------|---------------------------|---------------------------|--|--------------------|-----|
| DS-4184 | [Configurable Entities] Refactor "relationship" and "relation" metadata schemas | | Mar 07, 2019 | Oct 31, 2019 | Unassigned | Tim Donohue | | VOLUNTEER 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-4046 | Provide a script to automatically migrate input-forms.xml to submission-forms.xml | | Oct 09, 2018 | Jun 05, 2019 | Unassigned | Andrea Bollini (4Science) | | VOLUNTEER NEEDED | 7.0 |
| DS-4036 | Delete EPersons in DSpace | | Oct 04, 2018 | Oct 18, 2019 | Pascal-Nicolas Becker | Pascal-Nicolas Becker | | 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-4307 | Investigate / Improve performance of Browse by Title with Items with numerous Bitstreams (in REST API v7) | | Jul 19, 2019 | Dec 18, 2019 | Unassigned | Tim Donohue | | VOLUNTEER NEEDED | 7.0 |
| DS-4283 | (Google Scholar) Provide Entity Type Label/Name as part of URL path | | Jun 21, 2019 | Jan 06, 2020 | Unassigned | Tim Donohue | | VOLUNTEER NEEDED | 7.0 |
| DS-4380 | DSpace 7 should support JDK 11 | | Nov 05, 2019 | Jan 06, 2020 | Unassigned | Tim Donohue | | CODE REVIEW NEEDED | 7.0 |
| DS-3533 | (Projection) Provide example code for REST object with optional /lazy-loaded properties | | Mar 20, 2017 | Jan 16, 2020 | Chris Wilper | Terrence W Brady | | CODE REVIEW NEEDED | 7.0 |
| DS-4413 | Implement Authorization Endpoints in REST API | | Jan 03, 2020 | Jan 16, 2020 | Andrea Bollini (4Science) | Tim Donohue | | ACCEPTED / CLAIMED | 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 |
| DS-3495 | Full text content in SOLR should carry the permissions of the source bitstream | | Feb 15, 2017 | Feb 27, 2017 | Unassigned | Terrence W Brady | | VOLUNTEER NEEDED | 7.0 |
| DS-3484 | Setup a test and documentation framework for the REST API | | Feb 13, 2017 | Feb 07, 2018 | Tom Desair | Andrea Bollini (4Science) | | ACCEPTED / CLAIMED | 7.0 |
| DS-3454 | Disable Legacy Usage Reports (log file based usage statistics) | | Jan 13, 2017 | Sep 13, 2017 | Unassigned | Terrence W Brady | | VOLUNTEER NEEDED | 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-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-4036 | Delete EPersons in DSpace | | Oct 04, 2018 | Oct 18, 2019 | Pascal-Nicolas Becker | Pascal-Nicolas Becker | | CODE REVIEW NEEDED | 7.0 |
| DS-4380 | DSpace 7 should support JDK 11 | | Nov 05, 2019 | Jan 06, 2020 | Unassigned | Tim Donohue | | CODE REVIEW NEEDED | 7.0 |
| DS-3533 | (Projection) Provide example code for REST object with optional/lazy-loaded properties | | Mar 20, 2017 | Jan 16, 2020 | Chris Wilper | Terrence W Brady | | CODE REVIEW NEEDED | 7.0 |
| DS-4257 | Deploy Java Backend as a single (Spring Boot) webapp | | May 21, 2019 | Oct 04, 2019 | Tim Donohue | Tim Donohue | | CODE REVIEW NEEDED | 7.0 |
| DS-4389 | Improving & aligning the 2 patch systems | | Nov 20, 2019 | Nov 21, 2019 | Kevin Van de Velde (Atmire) | Kevin Van de Velde (Atmire) | | CODE REVIEW NEEDED | 7.0 |
| DS-4239 | Migrate the workflow. xml to spring | | May 02, 2019 | Dec 18, 2019 | Kevin Van de Velde (Atmire) | Kevin Van de Velde (Atmire) | | CODE REVIEW NEEDED | 7.0 |
| DS-3385 | OAI filter to exclude set from harvesting | | Nov 14, 2016 | Nov 23, 2016 | Unassigned | Ivan Masár | | 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 |
| DS-2378 | Remove support for multiple ServiceManagers | | Dec 19, 2014 | Nov 07, 2019 | Mark H. Wood | Mark H. Wood | | CODE REVIEW NEEDED | 7.0 |
| DS-2058 | Configurable workflow doesn't support curation tasks | | Jul 09, 2014 | Nov 12, 2018 | Mark H. Wood | Mark H. Wood | | CODE REVIEW NEEDED | 7.0 |
| DS-1494 | Enable separation of LDAP search credentials from DSpace configuration | | Feb 20, 2013 | Jul 30, 2018 | Mark H. Wood | Brian Freels-Stendel | | 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-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-4189 | Enhance configuration by environment variables | | Mar 14, 2019 | Mar 14, 2019 | Pascal-Nicolas Becker | Pascal-Nicolas Becker | | 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 |

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|---------|---|---|--------------|--------------|-----------------------------|-----------------------------|---|--------------------|-----|
| DS-4097 | Rest api item mapper | + | Dec 05, 2018 | Feb 14, 2019 | Kevin Van de Velde (Atmire) | Kevin Van de Velde (Atmire) | ☰ | 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-4084 | [DSpace 7 Entities] Relationships should link to Items via REST API | ↑ | Nov 20, 2018 | Jun 13, 2019 | Ben Bosman | Tim Donohue | ☰ | CODE REVIEW NEEDED | 7.0 |
| DS-4082 | [DSpace 7 Entities] Replace the term "Entity" with "Item" throughout the codebase | ↑ | Nov 20, 2018 | Dec 17, 2018 | Ben Bosman | Tim Donohue | ☰ | CODE REVIEW NEEDED | 7.0 |

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5. Other Tickets needing discussion / attention? (Please feel free to add any you wish to discuss under this topic)
6. Ongoing discussion topics:
 - a. Management of database connections for DSpace going forward (7.0 and beyond). What behavior is ideal? Also see notes at [DSpace Database Access](#)
 - i. 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.
 - ii. 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.
 1. 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
7. 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-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-4036 | Delete EPersons in DSpace | 🔴 | Oct 04, 2018 | Oct 18, 2019 | Pascal-Nicolas Becker | Pascal-Nicolas Becker | 🔴 | CODE REVIEW NEEDED | 7.0 |
| DS-4380 | DSpace 7 should support JDK 11 | ☰ | Nov 05, 2019 | Jan 06, 2020 | Unassigned | Tim Donohue | 🔴 | CODE REVIEW NEEDED | 7.0 |
| DS-3533 | (Projection) Provide example code for REST object with optional/lazy-loaded properties | 🔵 | Mar 20, 2017 | Jan 16, 2020 | Chris Wilper | Terrence W Brady | 🔴 | CODE REVIEW NEEDED | 7.0 |
| DS-4257 | Deploy Java Backend as a single (Spring Boot) webapp | + | May 21, 2019 | Oct 04, 2019 | Tim Donohue | Tim Donohue | ☰ | CODE REVIEW NEEDED | 7.0 |
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| DS-4239 | Migrate the workflow.xml to spring | ↑ | May 02, 2019 | Dec 18, 2019 | Kevin Van de Velde (Atmire) | Kevin Van de Velde (Atmire) | 🔴 | CODE REVIEW NEEDED | 7.0 |
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| DS-4189 | Enhance configuration by environment variables | ↑ | Mar 14, 2019 | Mar 14, 2019 | Pascal-Nicolas Becker | Pascal-Nicolas Becker | 🔵 | 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 |
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| DS-4082 | [DSpace 7 Entities] Replace the term "Entity" with "Item" throughout the codebase | ↑ | Nov 20, 2018 | Dec 17, 2018 | Ben Bosman | Tim Donohue | 🔵 | CODE REVIEW NEEDED | 7.0 |

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2. Newly created tickets this week:

| Key | Summary | T | Created | Assignee | Reporter | P | Status |
|---------|---|---|--------------|------------|--------------|---|--------------------|
| DS-4422 | Missing dc.identifier.orcid field on a default installation | 🔴 | Jan 17, 2020 | Unassigned | Paulo Graça | 🔵 | CODE REVIEW NEEDED |
| DS-4421 | Null Pointer Exception can occur when bitstream. bitstream_format_id is null | 🔴 | Jan 15, 2020 | Unassigned | Bill Tantzen | 🔵 | RECEIVED |
| DS-4419 | 400 Bad Request "jobTitle is not a valid search facet" empty facets | 🔴 | Jan 15, 2020 | Unassigned | Paulo Graça | 🔵 | RECEIVED |

3 issues

3. Old, unresolved tickets with activity this week:

| Key | Summary | T | Created | Updated | Assignee | Reporter | P | Status |
|---------|--|---|--------------|--------------|------------|-------------|---|-------------------------|
| DS-2421 | LDAPAuthentication Plugin only supports auto-registration for Hierarchical LDAP settings | | Jan 23, 2015 | Jan 20, 2020 | Unassigned | Tim Donohue | | VOLUNTEER NEEDED |

1 issue















4. Tickets resolved this week:

| Key | Summary | T | Created | Assignee | Reporter | P | Status | Resolution |
|---------|---|---|--------------|-----------------------------|--------------|---|---------------|------------|
| DS-4420 | OpenAIREv4 XSLT Warning in Spring Boot | | Jan 15, 2020 | Paulo Graça | Tim Donohue | | CLOSED | Fixed |
| DS-4391 | Bitstream content retrieval fails for non-incoming bitstore | | Nov 22, 2019 | Unassigned | Chris Wilper | | CLOSED | Fixed |
| DS-4287 | SolrServiceImpl & IndexableObject code refactor | | Jun 28, 2019 | Kevin Van de Velde (Atmire) | Ben Bosman | | CLOSED | Fixed |

3 issues

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

| Key | Summary | T | Created | Updated | Assignee | Reporter | P |
|---------|---|---|--------------|--------------|------------|---------------------------|---|
| DS-4421 | Null Pointer Exception can occur when bitstream.bitstream_format_id is null | | Jan 15, 2020 | Jan 15, 2020 | Unassigned | Bill Tantzen | |
| DS-4419 | 400 Bad Request "jobTitle is not a valid search facet" empty facets | | Jan 15, 2020 | Jan 15, 2020 | Unassigned | Paulo Graça | |
| DS-4418 | Remove unnecessary attributes from ResourcePolicyRest | | Jan 14, 2020 | Jan 14, 2020 | Unassigned | Andrea Bollini (4Science) | |
| DS-4417 | Hibernate Exception when trying to remove Accept/Reject /Edit Metadata Step | | Jan 13, 2020 | Jan 13, 2020 | Unassigned | Martin Walk | |
| DS-4416 | Mirage 2 "easy" build broken because gem proxy site was shut down | | Jan 07, 2020 | Jan 07, 2020 | Unassigned | Mark H. Wood | |
| DS-4415 | CitationPage curation task mess the bitstream policies | | Jan 07, 2020 | Jan 07, 2020 | Unassigned | Andrea Bollini (4Science) | |
| DS-4406 | Creative Commons step: Public Domain and CC0 choice have same result | | Dec 19, 2019 | Dec 19, 2019 | Unassigned | Anne Lawrence | |
| DS-4405 | ShibolethAuthentication empty header configuration are not ignored | | Dec 19, 2019 | Dec 19, 2019 | Unassigned | Andrea Bollini (4Science) | |
| DS-4403 | ds-related-entities-search Component is Broken | | Dec 12, 2019 | Dec 12, 2019 | Unassigned | Chris Herron (Atmire) | |
| DS-4402 | Unable to export metadata using UUID (--id parameter) | | Dec 10, 2019 | Dec 10, 2019 | Unassigned | Paulo Graça | |
| DS-4399 | pdfbox and encrypted PDFs | | Nov 28, 2019 | Nov 28, 2019 | Unassigned | Ivan Masár | |
| DS-4395 | Discovery indexes empty subject field | | Nov 26, 2019 | Nov 26, 2019 | Unassigned | Hrafn Malmquist | |
| DS-4388 | LDAP auth does not support membership in multiple groups | | Nov 19, 2019 | Nov 19, 2019 | Unassigned | Ivan Masár | |

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|---------|---|---|--------------|--------------|-----------------|---------------------------|---|
| DS-4387 | Make inclusion of collection/community sets in OAI contexts configurable |  | Nov 18, 2019 | Dec 01, 2019 | Unassigned | Kim Shepherd |  |
| DS-4384 | Error in OAI-PMH documentation |  | Nov 13, 2019 | Nov 13, 2019 | Unassigned | Peter Kukla |  |
| DS-4381 | Travis fails to notify a broken build for dependencies available in test only |  | Nov 08, 2019 | Jan 06, 2020 | Unassigned | Andrea Bollini (4Science) |  |
| DS-4376 | Files are not deleted from assetore |  | Nov 01, 2019 | Nov 01, 2019 | Unassigned | Jitka Novotná |  |
| DS-4375 | Limit DOI creation to flagged collections |  | Oct 31, 2019 | Oct 31, 2019 | Hrafn Malmquist | Hrafn Malmquist |  |
| DS-4374 | 400 error when exporting search results |  | Oct 29, 2019 | Oct 29, 2019 | Unassigned | Anne Lawrence |  |
| DS-4373 | Move org.dspace.app.rest.builder.* classes to Dspace APId |  | Oct 28, 2019 | Oct 28, 2019 | Unassigned | Andrew Wood Atmire |  |

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Meeting Notes

Meeting Transcript

- IRC Transcript is available at - <http://irclogs.duraspace.org/index.php?date=2017-09-27>