

# DevMtg 2017-11-01

## Developers Meeting on Weds, Nov 1, 2017

### Today's Meeting Times


- DSpace Developers Meeting / Backlog Hour: 15:00 UTC in [#duraspace IRC](#) or [#dev-mtg Slack channel](#) (these two channels sync all conversations)
  - Please note that all meetings are [publicly logged](#)
  - **WARNING: Once your region exits daylight savings time, this meeting will be one hour earlier for you! Be sure to double check what time 15:00 UTC is in your region.**

## Agenda

### Quick Notes / Reminders

- [DSpace 7 Working Group](#): Next meeting is TOMORROW, Nov 2 at 15:00 UTC (11:00am EDT) in Google Hangouts. See wiki page for meeting details and past meeting notes.
  - [DSpace 7 UI Mockups](#) - Watch this page for UI/UX mockups that are currently under discussion, etc.
- [DSpace Entities Working Group](#): Next meeting is Weds, Nov 22 at 15:00UTC (10:00am EST). See wiki page for meeting details and past meeting notes.

### Discussion Topics

1. (Ongoing Topic) [DSpace 7](#) Status Updates for this week
  - a. Team is currently concentrating on building out search functionality & submission functionality
  - b. Refactoring of submission configs per <https://github.com/DSpace/DSpace/pull/1852> (and <https://github.com/DSpace/Rest7Contract/pull/11>)
2. (Carryover from last week) Updates on Code Mgmt Tools on "master" (e.g. Code Test Coverage, ErrorProne, CheckStyle, etc).
  - a. Enabling Test Coverage reports. Ready to merge?  
 [DS-3714](#) - Refactor Unit Test classes to align with refactored Java API CLOSED and <https://github.com/DSpace/DSpace/pull/1865>
  - b. Code Style / CheckStyle:
    - i. [Code Style Guide](#) : Early notes on DSpace code style & how it compares with a few other projects (namely Google and Fedora Commons)
3. 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
<a href="#">DS-4303</a>	<a href="#">Old (v4-6) REST API is deprecated in v7, remove in v8</a>		Jul 17, 2019	Mar 02, 2020	Unassigned	Tim Donohue		<span>CODE REVIEW NEEDED</span>	8.0
<a href="#">DS-4460</a>	<a href="#">Define an unique way to identify type in the REST API</a>		Mar 16, 2020	Mar 16, 2020	Unassigned	Andrea Bollini (4Science)		<span>RECEIVED</span>	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-3860	Remove any usage of HttpSession		Feb 28, 2018	Apr 18, 2018	Unassigned	Tom Desair		VOLUNTEER NEEDED	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-3454	Disable Legacy Usage Reports (log file based usage statistics)		Jan 13, 2017	Sep 13, 2017	Unassigned	Terrence W Brady		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-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
DS-626	Exchange Usage Data with IRUS UK /USA/AUS/...		Jul 08, 2010	Sep 30, 2020	Bram Luyten (Atmire)	Bram Luyten (Atmire)		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-4205	Upgrade to Handle Server v9		Apr 02, 2019	Oct 30, 2020	Tim Donohue	Tim Donohue		AWAITING DOCUMENTATION	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-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-4396	Shibboleth authentication REST implementation	↑	Nov 27, 2019	Mar 30, 2020	Giuseppe Digilio (4Science)	Giuseppe Digilio (4Science)	⚠	AWAITING DOCUMENTATION	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-4028	Harvesting Error when running automatic harvesting scheduler	⊘	Sep 30, 2018	Sep 18, 2019	Unassigned	Elvi S. Nemiz	⚠	VOLUNTEER NEEDED	6.4
DS-4580	Authority control doesn't update when editing item	⊘	Apr 25, 2021	Apr 25, 2021	Hrafn Malmquist	Hrafn Malmquist	⚠	CODE REVIEW NEEDED	6.4
DS-3849	REST API items resource returns items in non-deterministic order	⊘	Feb 23, 2018	Mar 28, 2020	Bram Luyten (Atmire)	Andrew Bennet	⚠	CODE REVIEW NEEDED	6.4

20 issues

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-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-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-3952	Expose Request Copy	+	Jul 12, 2018	Oct 31, 2018	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-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-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-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-3385	OAI filter to exclude set from harvesting	↑	Nov 14, 2016	Nov 23, 2016	Unassigned	Ivan Masár	☰	CODE REVIEW NEEDED	7.0
DS-3749	Selective enabling of identifier generation per-container	+	Nov 02, 2017	May 10, 2021	Mark H. Wood	Mark H. Wood	☰	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-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-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-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-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-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-4574	Upgrade DBCP dependency	↑	Feb 23, 2021	Jul 06, 2021	Unassigned	Hrafn Malmquist	☰	CODE REVIEW NEEDED	7.0
DS-4580	Authority control doesn't update when editing item	⬮	Apr 25, 2021	Apr 25, 2021	Hrafn Malmquist	Hrafn Malmquist	☰	CODE REVIEW NEEDED	6.4
DS-3849	REST API items resource returns items in non-deterministic order	⬮	Feb 23, 2018	Mar 28, 2020	Bram Luyten (Atmire)	Andrew Bennet	☰	CODE REVIEW NEEDED	6.4

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4. Other Tickets needing discussion / attention? (Please feel free to add any you wish to discuss under this topic)

5. 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](https://github.com/DSpace/DSpace/blob/dspace-6_x/dspace-api/src/main/java/org/dspace/core/HibernateDBConnection.java)

6. 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:

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-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-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-3952	Expose Request Copy		Jul 12, 2018	Oct 31, 2018	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-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-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-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
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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-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-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-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-4574	Upgrade DBCP dependency		Feb 23, 2021	Jul 06, 2021	Unassigned	Hrafn Malmquist		CODE REVIEW NEEDED	7.0

DS-4580	Authority control doesn't update when editing item		Apr 25, 2021	Apr 25, 2021	Hrafn Malmquist	Hrafn Malmquist		CODE REVIEW NEEDED	6.4
DS-3849	REST API items resource returns items in non-deterministic order		Feb 23, 2018	Mar 28, 2020	Bram Luyten (Atmire)	Andrew Bennet		CODE REVIEW NEEDED	6.4

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2. Newly created tickets this week:

Key	Summary	T	Created	Assignee	Reporter	P	Status
DS-4588	Incorrect spider detector test		Jul 22, 2021	Unassigned	Alan Orth		CODE REVIEW NEEDED
DS-4587	DSpace's built-in list of spider/robot user agents is old		Jul 22, 2021	Unassigned	Alan Orth		CODE REVIEW NEEDED
DS-4586	Item versioning: enable permanent handle reference to the most recent version of each items		Jul 21, 2021	Unassigned	Jozsef Marton		RECEIVED
DS-4585	Incorrect escaping of citation_ meta tags when metadata contains quote characters		Jul 20, 2021	Unassigned	Alan Orth		CODE REVIEW NEEDED

4 issues

3. Old, unresolved tickets with activity this week:

Key	Summary	T	Created	Updated	Assignee	Reporter	P	Status
DS-1980	"Private" Items should include a "noindex" meta tag in the HTML		Apr 21, 2014	Jul 23, 2021	Unassigned	Tim Donohue		CODE REVIEW NEEDED

1 issue

4. Tickets resolved this week:

Key	Summary	T	Created	Assignee	Reporter	P	Status	Resolution
DS-4579	Re-enable partial downloads/Range requests		Apr 07, 2021	Hrafn Malmquist	Hrafn Malmquist		CLOSED	Fixed

1 issue

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

Key	Summary	T	Created	Updated	Assignee	Reporter	P
DS-4586	Item versioning: enable permanent handle reference to the most recent version of each items		Jul 21, 2021	Jul 22, 2021	Unassigned	Jozsef Marton	
DS-4584	Cross site scripting		Jun 08, 2021	Jun 09, 2021	Unassigned	Jaime Solorzano	

DS-4583	SQL injection		Jun 08, 2021	Jun 09, 2021	Unassigned	Jaime Solorzano	
DS-4576	Export/import of Solr authority core with SolrImportExport not handling ORCID "label" multi-value fields properly		Feb 25, 2021	Feb 25, 2021	Unassigned	Sean Kalynuk	
DS-4573	Filter Media relies on Bitstream Name rather than UUID, skipping files with identical names		Feb 23, 2021	Feb 23, 2021	Unassigned	Claudia Jürgen	
DS-4572	Deleted Bitstream corresponding extracted files not deleted		Feb 23, 2021	Feb 23, 2021	Unassigned	Claudia Jürgen	
DS-4571	Registration allows to register more than once with the same email		Feb 18, 2021	Feb 18, 2021	Unassigned	Santiago Tettamanti (SEDICI)	
DS-4570	UUID fragments included in Legacy Usage Reports (log file based usage statistics)		Feb 12, 2021	Feb 12, 2021	Unassigned	Anne Lawrence	
DS-4569	Date Display in Browse Indices		Feb 01, 2021	Feb 01, 2021	Unassigned	Claudia Jürgen	
DS-4568	Possible to create multiple epersons with the same email address		Jan 29, 2021	Jan 29, 2021	Unassigned	Anne Lawrence	
DS-4567	Solr statistics error		Jan 26, 2021	Jan 26, 2021	Unassigned	Humberto Blanco	
DS-4566	Export search results feature incorrectly escapes query parameters in search filters		Jan 26, 2021	Jan 26, 2021	Unassigned	Alan Orth	
DS-4565	Unable to update archived Item using SWORDv2 as collection / community administrator		Jan 19, 2021	Jan 19, 2021	Unassigned	Jakub íhák	
DS-4558	RTS - Update bagit-support to 1.1.0		Oct 21, 2020	Oct 21, 2020	Michael Ritter	Michael Ritter	
DS-4556	Replication Task Suite: Support the reporting of individual failures when part of a larger curation action		Oct 14, 2020	Oct 14, 2020	Unassigned	Bill Branan	
DS-4553	XMLUI generates useless links		Sep 29, 2020	Sep 29, 2020	Unassigned	Hrafn Malmquist	
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	

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## Meeting Notes

### Meeting Transcript

- IRC Transcript is available at - <http://irclogs.duraspace.org/index.php?date=2017-11-01>