

DevMtg 2017-08-02

Developers Meeting on Weds, Aug 2, 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 3 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 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 (Not a hibernate specific issue, but an important bug that seems to have been surfaced in 6.1)
 - 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
2. Discussion of DB Connections in DSpace 6 (Hibernate) vs DSpace 5.
 - 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
3. DSpace 6.3? Release Planning: A few main options for the 6.2 were discussed last week (<http://irclogs.duraspace.org/index.php?date=2017-07-26>)
 - a. A formally planned 6.3 release. This would necessitate a 6.2 Release Team (ideally of 2 or more volunteers), one or more Release Candidate(s), possibly a mini-Testathon. It'd have the advantage of providing a more thorough bug-fix release, but would require more effort to achieve this.
 - b. An ad-hoc, quick 6.3 release. This would essentially be more like 6.1 (but less large in size). We'd scope 6.2 to a "major bug fix" release, and just fix the major bugs discovered in 6.1 (ideally after further testing by DCAT or similar). It'd have the advantage of being (likely) more rapid release (hopefully allowing developers to work in parallel on 7.0), but it may not be as thorough.
 - c. A quick 6.3 with a formally planned 6.4: This is a combo of the above approaches. It'd provide the benefits of a quick 6.2 release, but it'd necessitate finding volunteers to manage a 6.3 (perhaps later in the year, timeline TBD).
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-4333	Changing the collection in the submission doesn't change the item template		Aug 30, 2019	Sep 27, 2019	Unassigned	Art Lowel (Atmire)		RECEIVED	7
DS-3041	Replace traditional workflow with Configurable Workflow		Feb 05, 2016	Aug 21, 2019	Unassigned	Mark H. Wood		VOLUNTEER NEEDED	7.0
DS-4043	Revisit the security layer of the submission		Oct 08, 2018	Nov 01, 2019	Andrea Bollini (4Science)	Andrea Bollini (4Science)		ACCEPTED / CLAIMED	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-3802	Upgrade Spring Boot and HAL browser version		Jan 16, 2018	Oct 03, 2019	Unassigned	Luigi Andrea Pascarelli (4Science)		VOLUNTEER NEEDED	7.0
DS-4394	Ensure that the new REST API hide information to not authorized users		Nov 26, 2019	Dec 02, 2019	Unassigned	Andrea Bollini (4Science)		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-4307	Investigate / Improve performance of Browse by Title with Items with numerous Bitstreams (in REST API v7)		Jul 19, 2019	Aug 22, 2019	Unassigned	Tim Donohue		VOLUNTEER NEEDED	7.0
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-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
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-4306	Investigate / Improve performance of Top Communities listing in REST API v7		Jul 19, 2019	Aug 22, 2019	Unassigned	Tim Donohue		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-4358	Unit & integration test on additions / server modules		Oct 10, 2019	Nov 04, 2019	Kevin Van de Velde (Atmire)	Kevin Van de Velde (Atmire)		CODE REVIEW NEEDED	7
DS-4300	Optionally apply given Handles when importing community /collection structure		Jul 15, 2019	Jul 15, 2019	Mark H. Wood	Mark H. Wood		CODE REVIEW NEEDED	7
DS-4044	DataCiteConnector assumes schema version 2.2		Oct 09, 2018	Oct 25, 2018	Mark H. Wood	Mark H. Wood		CODE REVIEW NEEDED	5.11
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-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-4239	Migrate the workflow. xml to spring		May 02, 2019	May 03, 2019	Kevin Van de Velde (Atmire)	Kevin Van de Velde (Atmire)		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-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
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

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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-4239	Migrate the workflow.xml to spring		May 02, 2019	May 03, 2019	Kevin Van de Velde (Atmire)	Kevin Van de Velde (Atmire)		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
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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

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2. Newly created tickets this week:

Key	Summary	T	Created	Assignee	Reporter	P	Status
DS-4402	Unable to export metadata using UUID (--id parameter)		Dec 10, 2019	Unassigned	Paulo Graça		RECEIVED
DS-4401	RelationshipDAO enforce place ordering when leftward or rightward direction is known		Dec 09, 2019	Unassigned	Andrew Wood Atmire		CODE REVIEW NEEDED

2 issues

3. Old, unresolved tickets with activity this week:

Key	Summary	T	Created	Updated	Assignee	Reporter	P	Status
DS-4380	Dspace 7 should support JDK 11		Nov 05, 2019	Dec 05, 2019	Unassigned	Tim Donohue		CODE REVIEW NEEDED

1 issue





















4. Tickets resolved this week:

Key	Summary	T	Created	Assignee	Reporter	P	Status	Resolution
DS-4400	Error with writing operations regarding Items		Dec 04, 2019	Ben Bosman	Paulo Graça		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-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	
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	Nov 08, 2019	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	
DS-4372	Multilanguage support for Form-value-pairs and Controlled Vocabularies		Oct 24, 2019	Oct 24, 2019	Unassigned	Julius Gruber	
DS-4371	Integration/authorities endpoint delivers non-existing form-value pairs or controlled-vocabularies		Oct 22, 2019	Oct 22, 2019	Unassigned	Julius Gruber	
DS-4369	Remove unnecessary DSpaceWebapp interface / beans / table (only used by deprecated dspace-rest)		Oct 18, 2019	Oct 18, 2019	Unassigned	Tim Donohue	
DS-4368	Prevent application to start with inconsistent configuration		Oct 18, 2019	Oct 18, 2019	Unassigned	Andrea Bollini (4Science)	
DS-4366	database error in cleanup		Oct 17, 2019	Oct 18, 2019	Unassigned	Jitka Novotná	
DS-4365	Left and Right entity are misleading		Oct 16, 2019	Oct 31, 2019	Unassigned	Paulo Graça	
DS-4364	Editing Item Metadata Breaks Relationships		Oct 16, 2019	Oct 16, 2019	Unassigned	Chris Herron (Atmire)	
DS-4363	NPE during OAI import if Group name in Item Policies is null		Oct 12, 2019	Oct 12, 2019	Unassigned	Elvi S. Nemiz	
DS-4361	CSV batch editing with fields named "**person**"		Oct 10, 2019	Oct 17, 2019	Unassigned	Paulo Graça	

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Meeting Notes

Meeting Transcript

- IRC Transcript is available at - <http://irclogs.duraspace.org/index.php?date=2017-08-02>