Developer Meetings

Meeting Schedule and Attendance

DSpace Developer meetings are a time when Committers and interested Developers can discuss new software features, upcoming releases of DSpace software, and generally plan out the roadmap of DSpace. **All meetings are public.** We welcome anyone and everyone to attend, speak their opinions or just listen in on the discussions. Please note that we archive all discussions (see Meeting Archives), as a service for those who are unable to attend.

DSpace Developer meetings take place on the following schedule:

- **Every Wednesday, alternating between 15:00 UTC and 20:00 UTC (every other week) in #duraspace IRC channel or in #dev-mtg Slack channel** *(these channels sync all discussions)*
  - To determine which time we are meeting at during a given week, please view the DuraSpace Public Events Calendar (iCal, RSS Feed)
  - Also, see the world clock (for 15:00 UTC or 20:00 UTC) to determine the meeting time where you live. If you are unsure how to connect to IRC, see our list of IRC Resources & Clients
- All meetings are held for 1 hour (although, admittedly, discussion sometimes extends beyond that)

You can also subscribe to the meeting schedule via the DuraSpace Public Events Calendar (iCal, RSS Feed).

Meeting topics often include:

- Recent updates on upcoming DSpace releases, bug fixes or features
- Reviewing of recent reported issues/bugs/feature requests (see JIRA Cleanup Sessions for more info)
- Occasionally we vote or make decisions on upcoming DSpace technology plans/roadmap (see Developer Voting Procedures for more info)

If you are unable to attend a meeting, please feel free to add your own notes/comments to the meeting's wiki page.

Developers Meeting on Weds, April 3, 2019

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)

Agenda

Quick Reminders

Friendly reminders of upcoming meetings, discussions etc

- DSpace 7 Working Group: Next meeting is Thurs, April 4 at 15:00 UTC. Agenda: 2019-04-04 DSpace 7 Working Group Meeting
- DSpace 7 Entities Working Group: Next meeting is TBD

  - Last meeting notes at 2019-02-05 DSpace 7 Entities WG Meeting
- 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. **NO MEETING on Weds, April 10.** Tim will be at the DuraSpace Summit in St Louis.
2. (*Ongoing Topic*) DSpace 7 Status Updates for this week (from DSpace 7 Working Group)
3. *(Ongoing Topic)* DSpace 6.x Status Updates for this week

   1. 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.

4. Upgrading Handle Server: ⬆ **DS-4205** - Upgrade to Handle Server v9 CODE REVIEW NEEDED
   1. PR: https://github.com/DSpace/DSpace/pull/2394
5. Upgrading Solr Server for DSpace (Mark H. Wood)
   1. **Auto-reindexing in Solr**:

      ⬆ **DS-3658** - Full reindex (index-discovery) is triggered whenever Flyway finds a new DB migration CODE REVIEW NEEDED

      1. Should this only happen for **major** releases? Should it be configurable? Can we find a more precise trigger? When **do** we need to reindex?
   2. Dump/restore tool for the `authority` core.

      ➕ **DS-4187** - Tool to dump and restore the 'authority' Solr core CODE REVIEW NEEDED   Or should we use `solr-export-statistics`?
6. DSpace Backend as One Webapp (Tim Donohue)
   1. PR: https://github.com/DSpace/DSpace/pull/2265 (PR is finalized & ready for review)
   2. A follow-up PR will rename the "dspace-spring-rest" module to "dspace-server", and update all URL configurations (e.g. "dspace.server.url" will replace "dspace.url", "dspace.restUrl", "dspace.baseUrl", etc)
7. DSpace Docker and Cloud Deployment Goals (Terry Brady)
   1. PR Build options: https://github.com/DSpace/DSpace/pull/2385
      1. Option 1 - Solve this in the docker build?
      2. Option 2 - create feature branch (ie configurable entities) when needed
   2. Service initialization and docker integration test script

      1. https://github.com/DSpace-Labs/DSpace-Docker-Images/pull/104
   3. Refine Dockefiles for One Webapp
      1. Keep only spring-rest and rest webapps
      2. Optional deployment to ROOT
      3. Feedback for one webapp PR (2265)
   4. Update sequences on initialization

      1. https://github.com/DSpace/DSpace/pull/2362 - update sequences port
      2. https://github.com/DSpace/DSpace/pull/2361 - update sequences port
   5. ~~Add Docker build/push to Travis~~
      1. ~~We can revisit this after Docker is more widely adopted by DSpace developers. We can decide if travis is the right place to solve this.~~
      2. ~~https://github.com/DSpace/DSpace/pull/2308~~
8. Brainstorms / ideas (*Any quick updates to report?*)
   1. (*On Hold, pending Steering/Leadership approval*) Follow-up on "DSpace Top GitHub Contributors" site (Tim Donohue): https://tdonohue.github.io/top-contributors/
   2. Bulk Operations Support Enhancements (from Mark H. Wood)
   3. Curation System Needs (from Terry Brady)
9. Tickets, Pull Requests or Email threads/discussions requiring more attention? (*Please feel free to add any you wish to discuss under this topic*)
   1. Quick Win PRs: 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. Management of database connections for DSpace going forward (7.0 and beyond). What behavior is ideal? Also see notes at DSpace Database Access
   1. 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.
   2. 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
   3. 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.
      1. 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.)
      2. 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)

⌄ Click here to expand...

Key	Summary	T	Created	Updated	Assignee	Reporter	P	Status	Fix Version/s
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-4166	Paginate and searchable mydspace (submission, tasks)	➕	Feb 12, 2019	Mar 07, 2019	Andrea Bollini (4Science)	Andrea Bollini (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-4036	Delete EPersons in DSpace	🟥	Oct 04, 2018	Feb 27, 2019	Pascal-Nicolas Becker	Pascal-Nicolas Becker	↑	Code Review Needed	7.0
DS-3695	Solr needs to be upgraded, Solr 4 is EOL	📄	Sep 16, 2017	Mar 22, 2019	Terry Brady	Pascal-Nicolas Becker	↑	Code Review Needed	7.0
DS-3851	Endpoint to interact with the workflow	➕	Feb 23, 2018	Nov 12, 2018	Andrea Bollini (4Science)	Andrea Bollini (4Science)	↑	Code Review Needed	7.0
DS-4091	Rest api community / collections CRUD	➕	Dec 03, 2018	Dec 03, 2018	Kevin Van de Velde (Atmire)	Kevin Van de Velde (Atmire)	⌃⌃	Code Review Needed	7.0
DS-4109	Rest api metadata registry CRUD	➕	Dec 12, 2018	Dec 12, 2018	Kevin Van de Velde (Atmire)	Kevin Van de Velde (Atmire)	⌃⌃	Code Review Needed	7.0
DS-4205	Upgrade to Handle Server v9	⬆	Apr 02, 2019	Apr 17, 2019	Unassigned	Tim Donohue	⌃⌃	Code Review Needed	7.0
DS-3749	Selective enabling of identifier generation per-container	➕	Nov 02, 2017	Mar 30, 2018	Mark H. Wood	Mark H. Wood	⌄	Code Review Needed	7.0
DS-3701	Hibernate validation schema failure on Public. Doi	🟥	Sep 26, 2017	Sep 26, 2017	Unassigned	Andrea Bollini (4Science)	⌄	Code Review Needed	7.0
DS-2670	Restrospectively create DOI's for alle items in archive	⬆	Jul 22, 2015	Mar 30, 2018	Mark H. Wood	Claudia Jürgen	⌄	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-3385	OAI filter to exclude set from harvesting	⬆	Nov 14, 2016	Nov 23, 2016	Unassigned	Ivan Masár	⌄	Code Review Needed	7.0
DS-3730	Items and Bitstreams endpoint should only return records that the user is allowed to view	⬆	Oct 26, 2017	Oct 31, 2017	Tom Desair	Tom Desair	⌄	Code Review Needed	7.0
DS-	EPerson REST endpoint should expose	🟥	Oct 28,	Sep 29,	Tom Desair	Andrea Bollini	⌄	Code Review	7.0

3736	groups as a link		2017	2018		(4Science)		Needed	
DS-4032	RequestItem.isAccept_request() can NPE if setAccept_request() was never called.		Oct 02, 2018	Oct 02, 2018	Mark H. Wood	Mark H. Wood		Code Review Needed	7.0
DS-3850	Create new submissions from files or identifiers		Feb 23, 2018	Sep 29, 2018	Luigi Andrea Pascarelli (4Science)	Andrea Bollini (4Science)		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-3953	Externalize hard-coded list of metadata registry files in updater		Jul 13, 2018	Oct 25, 2018	Mark H. Wood	Mark H. Wood		Code Review Needed	7.0

Showing 20 out of 47 issues

2. Newly created tickets this week:

⌄ Click here to expand...

Key	Summary	T	Created	Assignee	Reporter	P	Status
DS-4228	Wrong colspan values in EditItemBitstreamsForm		Apr 25, 2019	Unassigned	Alexander Sulfrian		Received
DS-4227	CORS headers not present when retrieving Bitstream content		Apr 25, 2019	Unassigned	Raf Ponsaerts (Atmire)		Received
DS-4226	CSV Import improvements in entities		Apr 25, 2019	Unassigned	Ben Bosman		Received
DS-4225	code optimizations for entities		Apr 25, 2019	Unassigned	Ben Bosman		Received
DS-4224	Paginated methods for relationships		Apr 25, 2019	Unassigned	Ben Bosman		Received
DS-4223	Metadata Schemas for configurable entities		Apr 25, 2019	Unassigned	Ben Bosman		Received
DS-4222	The CCLicense does not care about locale.		Apr 23, 2019	Unassigned	Gregor Gabriel		Code Review Needed
DS-4221	Fallback to the first collection if the user cannot submit to the default collection		Apr 23, 2019	Unassigned	Andrea Bollini (4Science)		Received

8 issues

3. Old, unresolved tickets with activity this week:

⌄ Click here to expand...

Key	Summary	T	Created	Updated	Assignee	Reporter	P	Status
DS-3658	Full reindex (index-discovery) is triggered whenever Flyway finds a new DB migration		Jul 31, 2017	Apr 24, 2019	Unassigned	Terry Brady		Code Review Needed

1 issue

4. Tickets resolved this week:

Key	Summary	T	Created	Assignee	Reporter	P	Status	Resolution
DS-4218	Error when running /dspace/bin/dspace initialize-entities -f a second time	🔴	Apr 12, 2019	Ben Bosman	Paulo Graça	⌄⌄	Closed	Fixed
DS-4216	Error when trying to create a new community - 415 Unsupported Media Type	🔴	Apr 12, 2019	Art Lowel (Atmire)	Paulo Graça	⌄⌄	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-4228	Wrong colspan values in EditItemBitstreamsForm	🔴	Apr 25, 2019	Apr 25, 2019	Unassigned	Alexander Sulfrian	⌄⌄
DS-4227	CORS headers not present when retrieving Bitstream content	🔴	Apr 25, 2019	Apr 25, 2019	Unassigned	Raf Ponsaerts (Atmire)	🚫
DS-4226	CSV Import improvements in entities	⬆	Apr 25, 2019	Apr 25, 2019	Unassigned	Ben Bosman	⌄⌄
DS-4225	code optimizations for entities	⬆	Apr 25, 2019	Apr 25, 2019	Unassigned	Ben Bosman	⌄⌄
DS-4224	Paginated methods for relationships	⬆	Apr 25, 2019	Apr 25, 2019	Unassigned	Ben Bosman	⌃⌃
DS-4223	Metadata Schemas for configurable entities	➕	Apr 25, 2019	Apr 25, 2019	Unassigned	Ben Bosman	⌃⌃
DS-4221	Fallback to the first collection if the user cannot submit to the default collection	⬆	Apr 23, 2019	Apr 23, 2019	Unassigned	Andrea Bollini (4Science)	⌄⌄
DS-4220	Setting Sidebar Disappears While Editing Side Bar Text HTML	🔴	Apr 16, 2019	Apr 16, 2019	Unassigned	Rachel Wang	⌄⌄
DS-4219	dspace filter-media throws exception	🔴	Apr 12, 2019	Apr 12, 2019	Unassigned	Michael Spalti	⌄⌄
DS-4214	Null pointer exception when running OAI Harvest	🔴	Apr 09, 2019	Apr 09, 2019	Unassigned	Ryan Laddusaw	⌃⌃
DS-4213	ignore-on-export not default behavior in DSpace 6	🔴	Apr 09, 2019	Apr 09, 2019	Unassigned	Anne Lawrence	⌄⌄
DS-4212	Solr indexing slow	⬆	Apr 05, 2019	Apr 05, 2019	Unassigned	Bill Tantzen	⌄⌄
DS-4211	Empty subcommunity causes NullPointerException when exporting metadata	🔴	Apr 05, 2019	Apr 05, 2019	Unassigned	Nicholas Woodward	⌄⌄
DS-	Deposit on collection without workflow seems to fail (405 but	🔴	Apr 05,	Apr 05,	Andrea Bollini	Andrea Bollini	🚫

				2019	2019	(4Science)	(4Science)	
4210	succeed)							
DS-4209	SearchFilterToAppliedFilterConverter assumes that authorities always come from the authority core	🔲	Apr 04, 2019	Apr 04, 2019	Unassigned	Andrea Bollini (4Science)	↑
DS-4208	XMLUI Jump to Date: Form parameters are not retained on second year selection	⬆	Apr 03, 2019	Apr 03, 2019	Unassigned	Terry Brady	⌄
DS-4207	Modify design of submissions page for logged in users	⬆	Apr 03, 2019	Apr 03, 2019	Unassigned	Gail Steinhart	⌄
DS-4206	Allow entry of alt-text for collection and community logos /thumbnails	➕	Apr 03, 2019	Apr 03, 2019	Unassigned	Gail Steinhart	⌄
DS-4204	Modify DSpace Code for full container deployment	⬆	Apr 01, 2019	Apr 01, 2019	Unassigned	Terry Brady	⌄
DS-4203	One Webapp - Sword Service Validation Issue when deployed to /spring-rest/sword	⬆	Mar 28, 2019	Mar 28, 2019	Tim Donohue	Terry Brady	⌄

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Meeting Notes

Meeting Transcript

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

```
Tim Donohue [10:00 AM]
@here: It's time for our general DSpace DevMtg.  Agenda is athttps://wiki.
duraspace.org/display/DSPACE/DevMtg+2019-04-03

Let's do a quick roll call to see who is able to join today

Mark Wood [10:00 AM]
Hi.

Terry Brady [10:00 AM]
Partially here... I am listening in to a meeting that is wrapping up.

Bill Tantzen [10:01 AM]
Hey!

Tim Donohue [10:01 AM]
Hi all.  Welcome. We'll go ahead and get started :wink:
First off, just a quick announcement.  There will be no meeting next Weds
(April 10).  I'm out of the office next week at the DuraSpace Summit (in
St Louis, just after CNRI).
That said, if a few of you want to touch base, you are more than welcome
to do so.  I just won't be here
On the DSpace 7 front. Development is progressing (it always does!)  A lot
of new code getting merged this week, and we are getting closer and closer
to the DSpace 7 Preview Release (current estimate is around April 18).
```

The major outstanding effort we are waiting on is the final review of
Configurable Entities. So, if there's anyone @here still looking to review
/test Configurable Entities, we'd appreciate it if you do your initial
review *very soon*.
Ideally we'd get this effort merged in the next week to get the Preview
Release out the door
Here's the Configurable Entities PRs again:
- (REST Contract) https://github.com/DSpace/Rest7Contract/pull/57
- (REST) https://github.com/DSpace/DSpace/pull/2376
- (Angular UI) https://github.com/DSpace/dspace-angular/pull/372

Terry Brady [10:05 AM]
Where is a good place to look for the list of features to test within the
Configurable Entities PR?

Tim Donohue [10:07 AM]
@terrywbrady: the PR descriptions provide that information. And they all
link to the (very extensive) Google document that describes everything
about Configurable Entities (including screenshots & examples):
https://docs.google.com/document/d
/1X0XsppZYOtPtbmq7yXwmu7FbMAfLxxOCONbw0_rl7jY/edit

Terry Brady [10:07 AM]
Thanks!

Tim Donohue [10:07 AM]
That said, if there's questions *not* answered in the PR descriptions, or
something not clear.... obviously ask on Slack or in a meeting. Glad to
clarify as needed
I think that's it for DSpace 7 updates. Obviously though, more details
will be discussed in tomorrow's DSpace 7 meeting.
By the way, if you do plan to review/test Configurable Entities, I'd also
appreciate it if you could let me know (or assign yourself to one or more
of the PRs as a reviewer). That way I can reach out to see how things are
going (and also simply understand who all is planning to review it)
Any questions before we move on?

Mark Wood [10:11 AM]
None.

Tim Donohue [10:11 AM]
Ok, moving along to DSpace 6.x (6.4 to be precise).
As usual, I don't have updates on the code side of things. However, folks
from TDL (Texas Digital Library) reached out today to ask if they can
provide resources to help out (as they are looking for a few fixes to make
their way into 6.x and be released as 6.4)
I, myself, won't have time to devote to coordinating a 6.4 in the near
future. But, I thought i'd ask here to see if anyone else has time
/interest in coordinating 6.4 (as it sounds like there's resources to pull
from to help out). Any thoughts/interest here?
I also plan to email Committers list to ask there (as not everyone is in
this meeting). Just haven't gotten to it yet
OK, not hearing anyone jumping up & down here. I'll ask on the Committers

list too. Feel free to think on it though, and get in touch if you find
time (or your institution is able to free up some of your time to work on
it)

Terry Brady [10:15 AM]
I will want to participate, but I cannot offer to coordinate things right
now. I need to balance some local projects with DSpace work.
RE 6.4, I was concerned to see https://jira.duraspace.org/browse/DS-4098.
I had thought most of the performance issues were under control. It looks
like there is some good detail in the ticket to help isolate the issue.

Tim Donohue [10:16 AM]
sounds reasonable @terrywbrady.

Terry Brady [10:16 AM]
Are the TDL folks hope to resolve performance, bugs, or something else?

Tim Donohue [10:16 AM]
DS-4098 - yes, it sounds like a problem to me. I honestly haven't
verified it personally though.
@terrywbrady: To quote TDL folks: "We have some need of those enhancements
and wanted to reach out to see what we can do to help expedite the
release. We can devote developer time to the remaining issues (though
possibly not the docker issues), but of course our developer can't review
and accept PRs, etc. "
I admit, I haven't clarified that statement in any way

Bill Tantzen [10:17 AM]
I can jump in there, as I have been one of the big complainers. I still
have performance problems so significant, I cannot upgrade beyond 5.x I
will be willing to help out investigating this issue with anybody!

Tim Donohue [10:18 AM]
@bill: Are your issues related to DS-4098? Or something else?

Terry Brady [10:19 AM]
@bill, are your issues on the community-list page or other places? How
many collections/items do you have in your repo?

Bill Tantzen [10:20 AM]
Specifically /community-list, but also community and collection pages with
a lot of content. But /community-list is the big one, it takes minutes to
load.

Tim Donohue [10:20 AM]
One of the first steps here is likely to start *prioritizing* which
tickets need to be in 6.4 (vs which are "nice to have"). So, it sounds
like there are some bugs / performance issues that are annoying (to at
least some folks). I unfortunately don't have a definitive list of those
though.
@bill: That sounds like https://jira.duraspace.org/browse/DS-4098 if you
are using the XMLUI. There are some "hints" on that ticket already on
things that *might help*. But, I don't think anyone has had time to dig

in deep on that yet (unfortunately)

Bill Tantzen [10:22 AM]
Right, but I think we have chatted about this before -- the problem exists
for me with any theme and with no local enhancements. Plain vanilla.

Tim Donohue [10:23 AM]
@bill: I think that's what DS-4098 is...a plain vanilla issue that is in
the *java Aspect layer* of XMLUI. So, it's likely not theme related at all

Bill Tantzen [10:23 AM]
I'm actually not so concerned about this myself, as I will probably bypass
6.x altogether at this point, but I am concerned that these any similar
problems are fixed in 7!

Mark Wood [10:23 AM]
UI problems are fixed in 7 by the existing UIs going away.

Tim Donohue [10:24 AM]
(At least that's my "guess" on DS-4098. I completely admit, I've not had
time to verify it. It just sounds like there's a performance bug there)

Terry Brady [10:24 AM]
I have 100 communities + 230 collections and the community-list loads in a
reasonable time. It would be interesting to know the threshold in which
it gets really bad. Is the issue related to the count of collections or
is related to some other properties of those collections.

Mark Wood [10:24 AM]
And Cocoon cache validity stuff is definitely UI code.

Bill Tantzen [10:25 AM]
Right, so I'm not sure if my problems are related to this particular issue.

Tim Donohue [10:26 AM]
@terrywbrady: I completely agree with you. This issue needs narrowing. It
sounds like there *is* an issue, but I'm still not sure how/when it is
encountered

Bill Tantzen [10:26 AM]
For that matter, /jspui is just a bad... I'm convinced it's database or
hibernate related but I haven't spent much time with it lately.

Mark Wood [10:28 AM]
OK, that is indeed below the UI layer. But the severity of DS-4098
surprises me. I wonder if we have a very ineffective *Hibernate* cache
setup. (edited)

Terry Brady [10:28 AM]
We need to be careful about assuming people will just skip a 6x upgrade.

Bill Tantzen [10:29 AM]
fwiw, I have 281 communities and 1283 collections.

Terry Brady [10:29 AM]
Wow. That could explain why we are seeing very different results.

Bill Tantzen [10:29 AM]
sorry, not trying to hijack the meeting with my problems!

Terry Brady [10:30 AM]
Issues like this are really important.
They affect the credibility of the platform.

Tim Donohue [10:31 AM]
@terrywbrady: agreed. 6.x performance needs fixing, as I'd actually rather
some/most folks upgrade to 6.x first. Jumping from 5.x to 7.x will be
possible, but it's a big jump (lots of new API & config changes in 6.x,
and then a new REST API and UI in 7.x). Almost all of DSpace (code)
changes between 5.x and 7.x

Bill Tantzen [10:31 AM]
For awhile, Art Lowell was working with me on this, in fact he had a copy
of my working db. You might check with him, but likely it has fallen off
his radar?

Tim Donohue [10:32 AM]
Art is on 7.x entirely now.

Mark Wood [10:32 AM]
I recall finding that we had multiple EHCache config.s that interfered
with each other unpredictably. I don't recall whether we fixed that.
(edited)

Terry Brady [10:32 AM]
@bill, do your collection objects have bitstreams (logos) attached. I
also wonder if that is affecting things.

Tim Donohue [10:33 AM]
Unfortunately 6.x has fallen off all our radars temporarily...7.x
development has geared up massively, and we've got few folks looking back
at 6.x maintenance currently.   6.x maintenance is definitely coming, but
we need to find folks who can "free up" for it.

Bill Tantzen [10:33 AM]
@terrywbrady very few -- just a handful.

Mark Wood [10:34 AM]
Found it: https://jira.duraspace.org/browse/DS-3823
And it is not fixed.

Tim Donohue [10:35 AM]
So, I'm not entirely sure how to move this forward. I don't want this to
be 'forgotten', but it's also unclear how to create a ticket here /
investigate this.
It sounds like we need to determine if this is at all related to DS-4098

(XMLUI issues). It sounds unlikely. But, then we need to determine which
API layer calls are performing badly

Terry Brady [10:36 AM]
@bill, if you are interested in driving a fix for this, I would be glad to
meet and brainstorm.
I will have limited capacity to try to recreate the problem on my end.

Bill Tantzen [10:37 AM]
OK, I don't want to take up any more time on it here! We can chat out of
the meeting maybe? I don't even have a 6.3 instance running anymore so I
will have to spin one up...
O
O
I've been focusing on 7.

Tim Donohue [10:38 AM]
Ok, I'll leave this to @terrywbrady and @bill then to move forward /
discuss. Hopefully we can eventually get to a ticket to describe the
problem, and then look towards a fix. If this *is* a Java API layer
problem it might also affect 7.x.
As noted above, I'll also reach out to Committers about coordination of a
6.4 release in the near(ish) future
Moving along for now (as we are getting short on time, and I have another
meeting at the top of the hour)
Next up: As you may have seen, the team at CNRI has reached out to help us
upgrade our Handle server: https://jira.duraspace.org/browse/DS-4205 and
https://github.com/DSpace/DSpace/pull/2394

Terry Brady [10:41 AM]
It would be good to see if @aroman and @Germán Biozzoli could attend a
developer meeting in the future to help keep attention on this issue.

Germán Biozzoli [10:41 AM]
joined #dev-mtg by invitation from Terry Brady.

Tim Donohue [10:41 AM]
This DS-4205 work is for DSpace 7. It'd be good to get some early reviews
on, as we all know our embedded Handle server is out of date
However, I will note that the PR#2394 currently doesn't "build" as it's
waiting on us to push an updated Handle.jar to Maven Central. I have that
on my TODO (haven't gotten to it yet)
(In the long term, CNRI plans to eventually distribute to Maven Central
themselves. But, they aren't yet setup to do that, and have given us
permission to do so ourselves)

Terry Brady [10:43 AM]
This is a component that would be useful to docker-ize. I will add an
issue to our docker repo.

Mark Wood [10:43 AM]
In the long term I would still like to un-embed the Handle resolver.

Terry Brady [10:44 AM]
https://github.com/DSpace-Labs/DSpace-Docker-Images/issues/108

Tim Donohue [10:44 AM]
I'll also note that @Ian Little (CNRI) who built this PR is also on our
Slack. So, if folks have questions as you start to look at this work,
feel free to ask here (or in GitHub)
@mwood: yes, I agree. This is just a first step -- at least we'd be on
the latest version of Handle Server.
Then we could move to un-embed it in 8.0 (or similar)

Ian Little [10:45 AM]
Hi everyone. I usually have Slack on in the background, so feel free to DM
me with questions as well.

Tim Donohue [10:47 AM]
So, that's all I had to say about the Handle Server upgrade work. I'll
also mention this to the DSpace 7 team, as I'd really like to see this
moved along soon (it seems like a small change overall). I'll also let
everyone know once I've pushed the latest Handle.jar up to Maven Central
(hopefully this week)
Moving right along for now. Next up is updates on the Solr v7 upgrade
from @mwood. Any updates this week to share?

Mark Wood [10:49 AM]
I've started work on being able to upgrade an existing DSpace instance to
DSpace 7 + Solr 7. Thanks to @bill for early testing that has found
problems with date fields.
https://github.com/DSpace/DSpace/pull/2393
if anybody wants to track this work-in-progress.

Tim Donohue [10:51 AM]
Thanks for those updates.

Mark Wood [10:52 AM]
The behavior of something changed between SolrDateField and
DatePointField. We now have to format a String instead of passing a Date
directly to SolrInputDocument.addField. There's discussion on the solr-
users list about that now.

Tim Donohue [10:52 AM]
Good to know. Definitely keep us updated (or add details as you learn
them into the PR)

Mark Wood [10:52 AM]
Will do.

Tim Donohue [10:53 AM]
For now, I'm going to move along. (I'm short on time myself)

Mark Wood [10:53 AM]
Nothing else on that now.

Tim Donohue [10:53 AM]
On the DSpace 7 "One Webapp" topic, I don't have any updates to share.
I've been trying to get back to this work to look into some feedback from
@terrywbrady on his Docker testing. Other feedback is still welcome, but
I've got no updates https://github.com/DSpace/DSpace/pull/2265
So, we can move right along from there

Bill Tantzen [10:54 AM]
@mwood we should continue the discussion on the dev channel later -- I
have a few more questions/comments...

Mark Wood [10:54 AM]
I'm in the middle of reading 2265 today.

Tim Donohue [10:54 AM]
@terrywbrady: Any updates you want to add on DSpace Docker deployments,
etc.?

Mark Wood [10:54 AM]
@bill OK.

Terry Brady [10:54 AM]
I am going to merge some documentation changes related to memory usage in
Docker: https://github.com/DSpace-Labs/DSpace-Docker-Images/pull/107
I documented a process for running our docker images within an EC2 on AWS.
It would be interesting in DSpace 8 or DSpace 9 to be able to deploy
DSpace purely as containers (no command line interaction). I started a
ticket to capture discussion on that. https://jira.duraspace.org/browse
/DS-4204
I'll be happy to re-test the one webapp stuff again. I think I am waiting
on a fix for some RDF stuff.
@bill and @mwood are your institutions moving to the cloud providers for
deployment?

Mark Wood [10:57 AM]
Not here.

Tim Donohue [10:57 AM]
@terrywbrady: Thanks for the updates. Yes, I haven't gotten back to the
"one webapp" stuff in a while now. DSpace 7 reviews & push for Preview
release have taken priority. Will ping you once I do get back to it.

Bill Tantzen [10:58 AM]
no, not here...

Terry Brady [10:58 AM]
That is helpful to know. I suspect that DSpace will be one of the more
difficult apps to migrate.
We are starting that process for some of our test servers.

Tim Donohue [11:00 AM]
I'm personally interested in (someday) replacing demo.dspace.org with a
Docker deployment (on AWS). Not sure when that'd happen exactly though,

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but may be the opportunity to move that way for DSpace 7 demo sites
I'm gonna have to unfortunately close up today's meeting.  I have to run
now to a DSpace Leadership Group meeting.

Terry Brady [11:01 AM]
Have a great week!  @bill give me a shout if you want to brainstorm on the
community-list issue.

Tim Donohue [11:01 AM]
As we won't have this meeting next week, I'll talk to you again in 2 weeks
(if I don't talk to you in the DSpace 7 meetings)
Thanks all!

Mark Wood [11:01 AM]
Thanks, all.

DSpaceSlackBot (IRC) APP [11:01 AM]
*epinky* has quit the IRC channel

Bill Tantzen [11:02 AM]
@terrywbrady OK, let's talk.  Give me the rest of the day or so to get a
v6.3 instance going again with some real data!

Bill Tantzen [1:25 PM]
@terrywbrady Terry, why don't you contact me at tantz001@umn.edu, and send
me a client ip address -- my 6.x site is behind a firewall.  Good news is
that I was wrong -- jspui response time is just fine, so this problem is
local to xmlui and not core!
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Meeting Archives

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