DevMtg 2018-04-25

Developers Meeting on Weds, April 25, 2018

Today's Meeting Times

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- 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 Reminders

Friendly reminders of upcoming meetings, discussions etc

- DSpace 7 Working Group (2016-2023): Next meeting is April 26 at 14:00 UTC in DSpace Meeting Room. See wiki page for meeting details and past meeting notes.
- DSpace Entities Working Group (2017-18): Next meeting is TBD. See wiki page for meeting details and past meeting notes.
- DSpace Developer Show and Tell Meetings: Next Show & Tell will be May 15 at 15:00 UTC.
    - Video from yesterday's IDE Showcase available at Dev Show and Tell - IDE Showcase - Apr 17, 2018 - 1500UTC

Discussion Topics

If you have a topic you'd like to have added to the agenda, please just add it.

Note: Tim will be unavailable for this week's meeting (back on Thurs). Kim Shepherd has volunteered to coordinate the meeting.

1. DSpace 7 Community Sprints : Reminder that the first spring is coming up on May 7-18. Signup if interested
    a. Sprint goals documented at DSpace 7 Community Sprint 1
2. (*Ongoing Topic*) DSpace 7 Status Updates for this week (no major updates - other than Sprint reminder)

    a. DSpace 7 Working Group (2016-2023) is currently concentrating on building out search, submission, authentication and MyDSpace functionality. 4Science submission/workflow UI (see video, slides) to be submitted as series of PRs in coming weeks.
    b. DSpace 7 Dev Status spreadsheet: https://docs.google.com/spreadsheets/d/18brPF7cZy_UKyj97Ta44UJg5Z8OwJGi7PLoPJVz-g3g/edit#gid=0
3. (Ongoing Topic) DSpace 6.x Status Updates for this week

    a. DSpace 6.3 Release Planning is ongoing. Thanks to those who have been helping out with tests and reviews over the last week.
    b. Over the next week or two, more open PRs will be shifted to 6.4 as we don't have enough resource to get through them all. DS-3447 has also given us a bit more work to do, to get some important bug fixes into the release (ORCID API functionality). The schedule will therefore be pushed out a bit, perhaps a 'soft freeze' by May 14 or 15 and release by May 21. If we can get to a 'soft freeze' on 6.x merges, we can start testing a 6.3 release more thoroughly. More info at: https://groups.google.com/forum/#!topic/dspace-devel/RbHhnhaFOto
4. Tickets, Pull Requests or Email threads/discussions requiring more attention? (*Please feel free to add any you wish to discuss under this topic*)

    a. ~~n Link configuration.~~

    b. Unable to locate Jira server for this macro. It may be due to Application Link configuration.

    c.

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
    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. 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

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)

key	summary	type	created	updated	assignee	reporter	priority	status	fixversions

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2. Newly created tickets this week:

key	summary	type	created	assignee	reporter	priority	status

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3. Old, unresolved tickets with activity this week:

key	summary	type	created	updated	assignee	reporter	priority	status

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4. Tickets resolved this week:

key	summary	type	created	assignee	reporter	priority	status	resolution

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

key	summary	type	created	updated	assignee	reporter	priority

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Meeting Notes

Meeting Transcript

- IRC Transcript is available at - http://irclogs.duraspace.org/index.php?date=2018-04-25