DevMtg 2018-07-11

Developers Meeting on Weds, July 11, 2018

Today's Meeting Times
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- 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

Agenda

Quick Reminders

Friendly reminders of upcoming meetings, discussions etc

- DSpace 7 Working Group (2016-2023): Second Sprint ongoing (July 9-20): DSpace 7 Community Sprint 2
- DSpace Entities Working Group (2017-18): Next meeting is TBD.

    - See recent announcement from DSpace Steering regarding Entities work: https://duraspace.org/statement-from-dspace-steering-group-on-the-dspace-7-data-model/
- DSpace Developer Show and Tell Meetings: Next Show & Tell will be July 31 at 15:00 UTC. The topic will be REST API Tools.

Discussion Topics

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

1. (*Ongoing Topic*) DSpace 7 Status Updates for this week. *No major updates this week.*

    a. DSpace 7 Working Group (2016-2023) is where the work is taking place
    b. DSpace 7 Dev Status spreadsheet: https://docs.google.com/spreadsheets/d/18brPF7cZy_UKyj97Ta44UJg5Z8OwJGi7PLoPJVz-g3g/edit#gid=0
2. (Ongoing Topic) DSpace 6.x Status Updates for this week

    a. DSpace 6.3 Release is complete. Woo! Announcements and security advisories have been sent. Thanks to everyone who helped with PRs, testing, reviews and release tasks!
    b. **Master ports from 6.3.** A number of PRs merged into 6.3 release have not yet been ported to `master` branch. These PRs are closed but still have the "port to master" label.
        i. https://docs.google.com/spreadsheets/d/1X-Zk56gz-wg6p7JaiuBzzUquqOvwwx_-o_ZDDvGPSQU/edit?usp=sharing
        ii. As we're working through this list, we should remove the 'port to master' label from the dspace-6.x PR and if possible, edit the JIRA comment to remove the "63_PORT_TO_MASTER" text.
    c. 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.
3. Now that 6.3 is out the door, we have an opportunity to bring other topics to this agenda. Any brainstorms/ideas on upcoming topics that are of interest to this weekly meeting?
4. Tickets, Pull Requests or Email threads/discussions requiring more attention? (*Please feel free to add any you wish to discuss under this topic*)

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

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

2. Newly created tickets this week:

key	summary	type	created	assignee	reporter	priority	status

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

3. Old, unresolved tickets with activity this week:

key	summary	type	created	updated	assignee	reporter	priority	status

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

4. Tickets resolved this week:

key	summary	type	created	assignee	reporter	priority	status	resolution

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

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

key	summary	type	created	updated	assignee	reporter	priority

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

Meeting Notes

Meeting Transcript

- IRC Transcript is available at - http://irclogs.duraspace.org/index.php?date=2018-07-11