DevMtg 2018-05-16

Developers Meeting on Weds, May 16, 2018

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

Agenda

Quick Reminders

Friendly reminders of upcoming meetings, discussions etc

- DSpace 7 Working Group (2016-2023): From May 7-18 DSpace 7 Community Sprint 1 is in progress. See DSpace 7 Community Sprints page for Sprint meetings
- 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.

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 - other than Sprint going on)
    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
2. (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. The ORCID (DS-3447) work has been merged, which is great news and removes the last blocker for release.
    b. As noted previously, the target release date is May 21, there are just a few PRs sitting with a 6.3 milestone, and we'd love help testing current 6.x branch, focusing on:
        i. Discovery (Solr) searches, including browsing, pagination, filters, special characters and very long requests
        ii. General test of OAI-PMH (both ways)
        iii. General test of REST API (aka Legacy REST) and REST Reports
        iv. Flyway upgrades, fresh installs, database migrations
        v. ORCID authority control
        vi. Subscriptions (with the sub-daily script)
        vii. Statistics GeoIP (location) lookups and display
        viii. CSV metadata exporting
        ix. General performance (and particularly: XMLUI + items with many bitstreams)
        x. MathJAX rendering
3. Tickets, Pull Requests or Email threads/discussions requiring more attention? (*Please feel free to add any you wish to discuss under this topic*)
    a. Unable to locate Jira server for this macro. It may be due to Application Link configuration.
    b. tone%3A6.3

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=2018-05-16