DevMtg 2018-02-07

Developers Meeting on Weds, Feb 7, 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: Next meeting is Feb 8 at 15:00 UTC in DSpace Meeting Room. See wiki page for meeting details and past meeting notes.
- DSpace 7 UI Mockups - Watch this page for UI/UX mockups that are currently under discussion, etc.
- DSpace Entities Working Group: Next meeting Feb 23 at 15:00 UTC. See wiki page for meeting details and past meeting notes.
- Jan 19: Discussion of which new entities should be in out-of-the-box DSpace (possibly People, Orgs?). Will begin a technical analysis of entities to add, compare to the work of DSpace-CRIS

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
     a. DSpace 7 Working Group is currently concentrating on building out search, submission, authentication and MyDSpace functionality
     b. DSpace 7 Dev Status spreadsheet: https://docs.google.com/spreadsheets/d/18brPF7cZy_UKyj97Ta44UJjgz5Z0wJGi7PJoPJVz-g3g/edit#gid=0
  2. (Ongoing Topic) DSpace 6.x Status Updates for this week
     a. DSpace 6.3 Release Planning has general notes
     b. Currently, we are looking for individual(s) interested in leading / contributing to getting a 6.3 release out the door. Many "usual suspects" are busy with 7.x efforts.
        i. Some discussion that this might be plausible to do via a 1-2 week sprint, but still needs a Sprint Coordinator.
  3. DSpace Developer Show and Tell Meetings
  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. DS-3649 - Data cannot be retrieved due to an unexpected error.
        b. https://github.com/DSpace/DSpace/blob/dspace-6_x/dspace-api/src/main/java/org/dspace/core/HibernateDBConnection.java

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

- Help us test / code review! These are tickets needing code review/testing and flagged for a future release (ordered by release & priority)
1. Newly created tickets this week:

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View these issues in Jira

2. Old, unresolved tickets with activity this week:

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3. Tickets resolved this week:

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

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Meeting Notes

Meeting Transcript
IRC Transcript is available at - http://irclogs.duraspace.org/index.php?date=2018-02-07