DevMtg 2017-10-18

Developers Meeting on Weds, Oct 18, 2017

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 Notes / Reminders

- DSpace 7 Working Group (2016-2023): Next meeting is TOMORROW, Oct 19 at 15:00 UTC (11:00am EDT) in Google Hangouts. 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 (2017-18): Next meeting is Friday, Oct 27 at 15:00UTC (11:00am EDT). See wiki page for meeting details and past meeting notes.

Discussion Topics

1. (*Ongoing Topic*) DSpace 7 Status Updates for this week
   a. Team is currently concentrating on building out search functionality & submission functionality
   b. General support for movement towards code coverage tools, ErrorProne and CheckStyle on "master"
   c. DSpace 7 REST Testing Framework
      i. https://github.com/DSpace/DSpace/pull/1866
      ii. Example test of /browses endpoint: https://github.com/atmire/DSpace/blob/31e28563b0e9bc44478e5cc7010c2fa72b667cb4/dspace-spring-rest/src/test/java/org/dspace/app/rest/BrowsesResourceControllerTest.java
2. Updates on Code Mgmt Tools on "master" (e.g. Code Test Coverage, ErrorProne, CheckStyle, etc)
   a. enabled on `master` Unable to locate Jira server for this macro. It may be due to Application Link configuration. and https://gith
   b. erage reports? Unable to locate Jira server for this macro. It may be due to Application Link configuration. and https://gith
   c. Style:
      i. Code Style Guide : Early notes on DSpace code style & how it compares with a few other projects (namely Google and Fedora Commons)
3. DSpace High Priority Tickets
   a. High Priority (Blocker, Critical or Major) and flagged for release

key	summary	type	created	updated	assignee	reporter	priority	status	fixversions
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   b. Need Code Review, Flagged for Release

key	summary	type	created	updated	assignee	reporter	priority	status	fixversions
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4. Other Tickets needing discussion / attention? (*Please feel free to add any you wish to discuss under this topic*)

5. Ongoing discussion topics:
    a. Management of database connections for DSpace going forward (7.0 and beyond). What behavior is ideal? Also see notes at DSpace Database Access
        i. 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.
        ii. 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
6. Reviewing JIRA Tickets or PRs
    a. Please feel free to bring any that need eyes / immediate discussion
    b. JIRA Backlog of "Received" tickets
    c. All open PRs

Ticket Summaries

1. Help us test / code review! These are tickets needing code review/testing and flagged for a future release:

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=2017-10-18