DevMtg 2017-08-09

Developers Meeting on Weds, Aug 9, 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

- **NEXT DSpace 7 UI MEETING:** TOMORROW, Aug 10 at 15:00 UTC (11:00am EDT) in Google Hangouts
  - DSpace 7 Working Group (2016-2023) - Watch this page for initial ongoing updates on meetings, etc.

Discussion Topics

1. DSpace 6.3 Immediate Release to fix Hibernate issues:
   a.
   b.
   c.
   d. Unable to locate Jira server for this macro. It may be due to Application Link configuration.
   e. %9C%93&q=is%3Apr%20is%3Aopen%20base%3Adspace-6_x%20
2. Discussion of DB Connections in DSpace 6 (Hibernate) vs DSpace 5. (More 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. This is what we saw in DS-3659, two separate Context objects used the same connection, and one accidentally rolled back the changes of a previous Context (because they were in the same thread).
      ii. 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
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
Unable to locate Jira server for this macro. It may be due to Application Link configuration.									

   b. Need Code Review, Flagged for Release

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.									

4. *DSpace + Spring:* Slack Discussion on whether DSpace codebase should move more towards the Spring way of doing things (e.g. Dependency Injection via beans) or the traditional DSpace patterns (e.g. classloaders with little DI).
    a. This was asked on dspace-devel: https://groups.google.com/d/msg/dspace-devel/oBWibfQUXzI/y05K-wpLAgAJ
5. DS-3372 and DS-3587: discussion required, should we add more SQL dialect support? MySQL, MS SQL? Are we ready to support, test and maintain these dialects in the future?
    a. Also asked on dspace-devel: https://groups.google.com/d/msg/dspace-devel/UfTU7AFZjs0/UOgiSnJKAgAJ
6. Other Tickets needing discussion (Please feel free to add any you wish to discuss under this topic)
7. 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
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
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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=2017-08-09