2018-01-18 DSpace 7 Working Group Meeting notes

Date
18 Jan 2018

Discussion (combined Angular UI & REST meeting)

Attendees
- Andrea Bollini (4Science)
- Art Lowel (Atmire)
- Giuseppe Digilio (4Science)
- Patrick Trotter
- Terrence W Brady
- Tim Donohue
- Tom Desair
- Mark H. Wood

Meeting in DSpace Meeting Room

Notes
  - DSpace 7 Planning discussion
    - Tim has not had as much time as hoped to work on the planning spreadsheet. A very rough start though at: https://docs.google.com/spreadsheets/d/1brPF7CzY_UKvy97Ta44UJg52BoWqJt7PLoJPVz-q3g/edit?usp=sharing
      - This was based heavily on an earlier planning spreadsheet from Atmire
      - Currently the data is inaccurate.
      - **ACTION:** To be enhanced / cleaned up by Tim in next week
    - How will this spreadsheet relate to the Waffle Board (for Angular UI) and JIRA (for REST API)?
      - The spreadsheet should be higher level planning. More oriented around features, and eventually sprints. One feature may map to multiple tickets
      - However, please keep Tim honest on this as we move this forward
  - DSpace Outreach Team Mtg
    - Met yesterday, and this team is beginning to work on an early draft of a feature list for DSpace (oriented towards the DSpace 7 release, but also includes existing features)
    - This document will be aimed at a repository manager (and above) audience. Will also be working to get input/feedback from DCAT in coming weeks/months
    - Very early, rough draft / framework started at https://docs.google.com/document/d/1M5f9FE-V3eQDYnKc1b7wOv5thT143oTdUGtf-Vqk7Gw/edit
      - Will promote more once the content is filled out a bit more
  - OR2018 Proposals - All three were submitted
  - Submitted proposals are listed here: https://docs.google.com/document/d/1LL3czkqlkZpSnDT7bvmSu4FqzOa6uX7kIMO69PSBk/edit
  - Angular UI Team updates (via Art)
    - Note: Angular demo site currently broken cause of updates to REST API demo site that were slightly buggy. (UPDATE: this is now fixed)
    - **Merged PR:** https://github.com/DSpace/dspace-angular/pull/202
    - Almost ready to merge (a few final tests to add): https://github.com/DSpace/dspace-angular/pull/211
  - **ACTION:** Tim says yes. It's not good to have tests dependent on an external site
    - We used to do this as static JSON files, e.g. see the old static data here: https://github.com/DSpace/dspace-angular/tree/master/src/backend
    - Ideally though we aren't doing duplicative work here...and can somehow use the REST API itself? Instead of creating static mocks/JSON to test against?
    - Andrea also not sure that all tests can be run against static JSON... e.g. tests that involve content negotiation, or even possible authentication?
      - Should we mock a REST API?
        - **ACTION:** Art will take this over and begin investigating the best way to resolve this.
      - Tim says yes. It's not good to have tests dependent on an external site
  - Angular 5 upgrade progress
    - William won't be able to work on for some time. He has travel in near future
  - **ACTION:** Art will take this over and begin investigating the upgrade process
  - REST API Updates (from Andrea)
    - **Merged** https://github.com/DSpace/DSpace/pull/1881/
    - Fix for REST API demo coming soon (from Tom). Andrea will update demo and merge ASAP once ready
    - In reviewing https://github.com/DSpace/DSpace/pull/1898 we noticed a minor bug
      - Endpoints that end with Slash should not be responded to. This is unexpected behavior from a REST API. Should be logged as a bug.
    - **Ready to be merged:** https://github.com/DSpace/DSpace/pull/1920
    - Dependency issues in getting new REST API running locally: https://github.com/DSpace/DSpace/pull/1921
      - This concept seems fine as a "quick fix"
• However, Tim notes that the better fix is to...
  ▪ Upgrade all our modules (on master) to use log4j version 2, see this ticket:
    ![DS-3135 - Replace log4j 1.2, which is EOL CLOSED](https://issues.dspace.org/DS-3135)
  ▪ Then, update Spring Boot dependency (in new REST API) to use log4j version 2, as noted in the documentation here:
    https://docs.spring.io/spring-boot/docs/current/reference/html/howto-logging.html#howto-configure-log4j-for-logging
  ▪ **ACTION:** Patrick Trottier has volunteered to investigate the "better fix" and get use updated to log4j version 2.
  ▪ In the meantime, we should merge the "quick fix" just to get the build working again. We can revert some of these dependency exclusions once the "better fix" is ready.

• Terry asks about REST API Authentication. Basic auth seems to be working fine. Should all other authentication plugins also be working? (e.g. Shibboleth)
  ▪ Tom says they should all likely be working, except for possibly Shibboleth...as Shib requires a lot of redirects (to the Shib IdP and back) to complete the full authentication process
  ▪ This may require the Angular UI to handle some of this redirection in order to complete the Shib authentication. Unsure how this should be handled
  ▪ **ACTION:** Tom has volunteered to investigate how other Angular (or Javascript) apps support Shib / SAML2 authentication. Perhaps we can learn from them or find a plugin to handle this.
  ▪ **ACTION:** Terry will also do some basic testing of the Shibboleth authentication as-is, to see what works/doesn't

• Next Meeting will be Thurs, Jan 25 at 15:00UTC in DSpace Meeting Room