

2018-08-23 DSpace 7 Working Group Meeting

Date

23 Aug 2018 from 14:00-15:00 UTC

Location: [DSpace Meeting Room](#)

Agenda

- General development / planning updates (Tim)
 - Sprint Planning: [DSpace 7 Community Sprints](#)
 - [DSpace 7 Entities Working Group \(2018-19\)](#)
- Quick updates on Angular UI [tickets](#) and/or [PRs](#) (Art)
- Quick updates on REST API [tickets](#) and/or [PRs](#) (Andrea)
- Discussion of Exception Handling in Spring (establish our best practices)
- Scheduling next [DSpace 7 Community Sprints](#)
- [Last 10 mins] Development planning/updates in [Development Planning Spreadsheet](#).

Attendees

- [Art Lowel \(Atmire\)](#)
- [Andrea Bollini \(4Science\)](#)
- [Tim Donohue](#)
- [Pablo Prieto](#)
- [Mark H. Wood](#)
- [Bill Tantzen](#)
- [Tom Desair](#)
- [Pascal-Nicolas Becker](#)
- [Terrence W Brady](#)

Notes

- General Updates (Tim)
 - [DSpace 7 Entities Working Group \(2018-19\)](#) announcement today.
- Angular Team Updates
 - Merged PRs:
 - <https://github.com/DSpace/dspace-angular/pull/271>
 - <https://github.com/DSpace/dspace-angular/pull/276>
 - In Progress tickets / PRs:
 - Tickets / PRs requiring review:
 - Kristoff's Browse By Title / Metadata Pull Request: <https://github.com/DSpace/dspace-angular/pull/283>
 - Needs tests/reviews. Tim still looking to review
 - Lotte's final Search PR now ready: <https://github.com/DSpace/dspace-angular/pull/280>
 - Tim will rereview
 - Giuseppe's PR : <https://github.com/DSpace/dspace-angular/pull/279>
 - Art has reviewed and has added comments. Mostly looks OK, but noticed issues with automatic metadata extraction. See comments on PR
 - Giuseppe returns next week
 - Art looking for feedback on the new Janitor PR: <https://github.com/DSpace/dspace-angular/pull/287>
 - Terry has looked at it and asked some questions.
 - Seems reasonable overall, but no one actively using Janitor yet. Still seems like an opportunity.
 - Find by UUID endpoint discussions have now been resolved. Will unblock Lotte's PR
 - Discussion on Slack. All have approved the approach in this PR <https://github.com/DSpace/DSpace/pull/2179>
 - Tim will merge PR and also redeploy to Demo Site (*UPDATE: Done, see also new docs on this process; [Updating DSpace 7 Demo Sites](#)*)
- REST Team Updates
 - Merged PRs:
 - In Progress tickets / PRs:
 - Tickets / PRs requiring review:
 - <https://github.com/DSpace/DSpace/pull/1976>
 - Ready to merge. Merge after #2179 (*Update: DONE*)
 - <https://github.com/DSpace/DSpace/pull/2129>
 - Almost ready to go. Needs integration tests. Mark is working on them
 - <https://github.com/DSpace/DSpace/pull/2173> ("Starts With" endpoint)
 - The actual implementation of the endpoint looks fine.
 - But, the behavior is actually surprising – as "Starts with" isn't really jumping to a specific page/offset in the entire list. Instead, it "filters" the list of results to only ones that "Start With" a specific letter(s) and any letter after that.
 - This behavior seems different from 6.x, but unsure as to why
 - [Pablo Prieto](#) will investigate how this works in 6.x and report back.
 - <https://github.com/DSpace/DSpace/pull/2175> (new metadata as resource endpoint / idea)
 - Idea/concept sounds good overall

- Andrea expressed some possible concerns about using RestRepository for the implementation – usually that's used for new endpoints, and this is more like a subpath / sub-endpoint.
- Andrea will look at it further though, and report back his concerns & suggestions in the PR itself
- <https://github.com/DSpace/DSpace/pull/2111> (Hibernate deprecation updates)
 - Almost ready to merge. Fixed minor issues noted by Tim
 - Tim to rereview (DONE)
 - Terry also to review (DONE)
- Art asks about the REST API implementation for Submission/Workflow. Is it ready?
 - It has two PRs, but both need more work. No integration tests yet, and have fallen out of date with master (merge conflicts)
 - <https://github.com/DSpace/DSpace/pull/2102>
 - <https://github.com/DSpace/DSpace/pull/2103>
 - [Andrea Bollini \(4Science\)](#) plans to work on this (as Andrea P is on holiday). Will also look into splitting them up more, as the PRs are massive and hard to review.
- Discussion
 - Exception Handling in Spring / REST API
 - We wrap most of our Exceptions in REST API in RuntimeException, e.g. <https://github.com/DSpace/DSpace/blob/master/dspace-spring-rest/src/main/java/org/dspace/app/rest/repository/ItemRestRepository.java#L71>
 - Andrea notes the reason for this is that we are extending Spring Data Rest and cannot change the method signatures. For example, in this class: <https://github.com/DSpace/DSpace/blob/master/dspace-spring-rest/src/main/java/org/dspace/app/rest/repository/DSpaceRestRepository.java#L42>
 - We do have a single "handler" of Exceptions in our REST API at: <https://github.com/DSpace/DSpace/blob/master/dspace-spring-rest/src/main/java/org/dspace/app/rest/exception/DSpaceApiExceptionHandlerAdvice.java>
 - Our wrapping of everything in RuntimeException was mostly just for speed of development early on. We should fix this.
 - The best practice from Spring Data REST though is to use other custom exceptions (which all extend RuntimeException), e.g. <https://docs.spring.io/spring-framework/docs/current/javadoc-api/org/springframework/dao/DataAccessException.html>
 - Spring has more of these Runtime based exceptions at <https://docs.spring.io/spring-framework/docs/current/javadoc-api/org/springframework/core/NestedRuntimeException.html>
 - **Our Best Practice:** We should refrain from using "RuntimeException" directly, and instead look to use Spring Data Rest Exceptions (like "DataAccessException") which extend RuntimeException. If we find we need a new exception type, we should create it.
 - ONE: Unable to locate Jira server for

this macro. It may be due to Application Link configuration.
 - Next DSpace
 - ~~tentative for first two weeks of October: week of October 1 and 8.~~
- [Development Planning Spreadsheet](#)
 - Skipped this for today, as we ran out of time.
 - Next week, continue from Submission section
- **The Next Meeting will be on Thursday, Aug 30 at 14:00UTC (10:00am EDT) in DSpace Meeting Room**
 - Travel / Holidays
 - [Giuseppe Digilio \(4Science\)](#) will be out until week of Aug 27