

Software Architecture Working Group  
Minutes, July 2, 2015

Present: Kalaivani Ananthan, Isaiah Beard, Jie Geng, Rhonda Marker (recorder), Chad Mills (chair), Aletia Morgan, Jeffery Triggs, Yang Yu

1. Announcements

- Ron Jantz is on sabbatical until January 2016.
- Statistics for RUcore: In August 2014 we began removing anomalous data from the download figures. The statistics reflect this. Total downloads FY2014=792, 479; FY2015=867,788. We will post more detailed statistics.
- One of our priorities for the coming year is media preservation, especially in IJS. Rhonda attended a moving image preconference at the American Library Association annual conference.

2. Release 7.6 evaluation

- We did not discover any major issues when we tested in test. Upon moving to production, we found problems with notifications, and they were also present in test. We agreed that each developer will package his or her own code, from development to test.

3. Release 7.6.1 (Restrictions release)

- Notification fix: we will include in this dot-release.
- My Submitted Work: Yang has identified the bug and will include in this dot-release.
- Related Item IDs (collection): When a related item is added for a resource, it hides the earlier one. The fix is ready to be included in this dot-release.
- New entry for department name: This has been updated by Jane, and will be included in this dot-release.
- The code freeze date is July 17. The restrictions part is on schedule. Testing will take place July 20-31 in the test environment. We will move to staging around August 3.
- Discussion: We need to develop a collection management system that is easy for the user (technical manager and collection manager) to manipulate. Kalaivani, Rhonda, and Jane Otto will work on use cases/scenarios, how we would like it to work, and will bring this to sw-arch in mid-August.

4. WMS issues

- SMAP for derivatives: Only master files are being captured in the structure map, not the dmaster. SMAPARCH is the default SMAP in the WMS. (We also have legacy SMAP1 datastreams, which we will discuss at a later time.) SMAPARCH reflects the structure of what we are archiving, e.g., if we are storing a directory as the master we need to know its structure. The DMASTER is a derivative of the archival, but it is also a master. It should be in a separate SMAP file, e.g., SMAP-DARCH. We will add this as a feature request for R7.7. We will consider adding DARCH retrospectively – following the task of unbundling TAR files. We should have the TAR files unbundled and the retrospective SMAP-DARCH before we implement R7.7.
- When to back out and stop ingest: When a post-ingest error occurs, it backs out. Many factors can cause a resource to stop ingest (e.g., the record does not have a DOI, “bad XML”, size limitation). The message does not help us understand why the “back out” occurred. We need to generate a more meaningful error message. One suggestion is that the WMS could give a warning but continue indexing. Yang will document the post-ingest logic and bring it to a later meeting (July 30 or August 13).

5. Graduate student article deposit
  - For graduate student deposits, the WMS administrator must create the grad student account. The student must be identified as a graduate student. We need to look at the school code (graduate school), and the employee type (faculty-staff-student) affiliation. When we create a collection using NetID, it uses anonymous LDAP that does not get the school code. FERPA (Family Educational Rights and Privacy Act) might not allow us to get this information. [Note: an exception to FERPA permits “disclosure” of directory information including major field of study, grade level or year, enrollment status.] We discussed getting information from Shibboleth for students. We might set up an LDAP filter in SSO and the WMS would get this information (FirstName – MiddleName – LastName – NetID). Jeffery will work with Ashwin Bijur to get this from D. Steiner. The code will be in SSO. If it is simple enough, we will consider including it in R7.6.2.
6. Normalizing indexing and mapping: We want to normalize the value of the attribute, e.g., in `mods:name mods:role authority=""`. There is a discrepancy in the capitalization of “marcrelator” or “marcRelator”. Can these be normalized for upper case/lower case? Currently, they are not because the display rules are set in XSLT, which is case sensitive. We recommended going through the display constructs with Marty Barnett and making sure they are normalized. We will aim to fix it in R7.6.1. It was also suggested that we enter a feature request to create a table of free text values (attribute values).
7. Future agenda items:
  - Convert techMD to managed datastreams
  - Add REF-1 datastreams where they are lacking for resources in the SOAR portal (first on development server)