

Software Architecture Meeting, Thursday, June 10th, 2010

Ananthan, Beard, Geng, Hoover, Marker, Mills (recorder), Triggs

Agenda

1. **Announcements** (all)
2. **Release notes and configuration changes for R5.1.2** (Triggs)
3. **Relationship services API and Fedora API-M relationship methods** (Mills)
4. **Finalize rights-event/document linking** (Mills, Triggs)
5. **Update on storage management on mss3/lefty64** (Hoover, Nakagama)
6. **Update on Google Scholar** (Triggs)
7. **Outstanding R5.2 Specifications** (all)

Agenda Items

1) Announcements

- Fixing checksums

A mismatch was found between the datastream ID for RARCH in the technical metadata section (RARCH-1) of an object versus the datastream ID of the actual object (RARCH1). Archival datastreams do not have hyphens in the datastream ID, while all presentation datastream ID's do. Fixing the datastream ID in the technical metadata section of the object appears to have solved the problem. Triggs will investigate further and attempt the same fix with another object to confirm. A new feature for R5.2 will be submitted by Hoover which will not make the signature dependent on the datastream ID in the technical metadata section, but rather the datastream ID found in the object itself. Also, this new feature will compare the datastream ID found in the object itself with what is in the technical metadata section to check its validity.

- Advanced Search & Collection Structure

Ananthan and Marker reported they are meeting with Agnew to discuss changes to the Advanced Search menu in RUcore. They are also meeting to develop a strategy and implementation of collection structure changes in RUcore and WMS.

2) Release notes and configuration changes for R5.1.2

A review of the current release notes document found that the version of the handle.jar file needs to be included in section 2.3. Section 3.4, Partner Portals, needs to be revisited. Mills will send an update to Triggs for that section. The changes should reflect the Partner Portal tool and not current search portals that exist. When implementing the "root" collection node it should be considered how to migrate that "root" collection node information, namely the collection ID, from development->staging->production.

3) Relationship services API and Fedora API-M relationship methods

Mills reported his finding with using the native Fedora API-M relationship methods (add, purge and get). Initially it was thought only addRelationship functioned, however it was found that getRelationship is fully functional as well. purgeRelationship is not completely functional, but enough is working for R5.1.2 to move

forward using it to delete relationships. `purgeRelationship` has the ability to delete multiple relationship at once, and this is not currently working, however individual deleting of relationships works. Mills sent changes to Yu for inclusion in the PHP API-M class he manages. After updating, all developers should use this class for creating, deleting and viewing relationships. Mills explained how the relationship API for R5.2 would work and eliminate many of the issues that were uncovered when trying to use the Fedora API-M methods. Also the need for managing ontologies used is very important and the API will provide that management.

4) Finalize rights-event/document linking

Only one issue was found with the document, Mills and Triggs will speak with Jantz about. The issue was under the assumptions section of the document a note that linking in the reverse direction was not needed. Some clarity as to whether this linking was meant for the metadata section or the RELS-ext statements.

5) Update on storage management on mss3/lefty64

Cleanup commenced on lefty64 and space has been freed up, 88% utilization is now reported. Further investigation will continue on mss3 along with an analysis of the files. Hoover will send Maker a report twice a year of the “workarea” and “temp-upload” areas usage on mss3. Marker will use the reports for cleanup of the files.

6) Update on Google Scholar

Marker reported faculty articles were still not appearing in Google Scholar the last time she had checked. Triggs reported there has been a communication breakdown with his contact at Google. It was suggested that Triggs join and become an active member of forums and listservs dedicated to Google Scholar implementations. He should post our issues and see if either other community members or Google themselves respond. Also Triggs will look at our OJS implementation and how it interacts with Google Scholar. OJS appears to be working with Google Scholar as expected.

7) Outstanding R5.2 Specifications

The following are R5.2 specifications that need to be finalized and/or approved

- New Collection Metadata
- Finalize Collection Structure
- MP4 Container
- SMAP revision to make METS compliant

Next Meeting

The next Software Architecture Meeting is scheduled for Thursday, June 24th at 9:30 A.M. at the SCC. An initial, proposed agenda is below:

- 1) MP4 Specification (Beard)
- 2) OpenMIC/OpenWMS (Ananthan, Yu)