

Minutes of April 15, 2010 Meeting

Agenda

1. Updates and Announcements
2. Review of R5.1.1 status
3. Relationship services in R5.2
4. Url migration from mss3 to rucore
5. Review of R5.2 requirements

Announcements and Quick Updates

Ron met with Research VP Pazzani to discuss the opportunities for an RU data service. Pazzani was very supportive and suggested that we could make a significant contribution by focusing on smaller datasets, i.e. don't take on the challenge of very large datasets at this time. He also indicated that he would support the notion of a specific checkbox on the IRB application form indicating that the resulting data would be archived in RUcore. In a brief discussion on article deposit, he was interested in providing funding to students who would find faculty articles on department websites and deposit them on behalf of the faculty. Isaiah mentioned that he is exploring with Rick Anderson the possibility of archiving 2nd life data ó basically a database and xml. He also discussed the task of compressing a very large ETD (~3GB) to a size more manageable. (In a post-meeting discussion, Isaiah was able to compress the ETD around 100 MB using Adobe Professional. The problem was a lot of uncompressed tiff images embedded in the document. We will need to provide instructions to student so they are able to do this compression themselves.)

R5.1.1 Review

The primary issue discussed was how to treat java and handle .jar versions. In support of openWMS, Yang indicated that he had taken Jeffery's perl code for ingesting objects and created two php classes ó one for ingest and one for creating handles. After much discussion about versions of java and the handle .jar, we decided to move forward by using the two php classes in R5.1.1 and doing some quick testing on mss2. We also decided to align all our servers for R5.2 with java 1.6 and the latest handle jar. (Note: we did not decide on whether to replace the object ingest perl code with the two php classes.) Jeffery will update the configuration document to note these changes and we will review for R5.2. We will plan for R5.1.1 to be available by Thursday (4/22) to the public.

Relationship Services in Release R5.2

We began the discussion of relationship services for R5.2 and will continue in the next sw_arch meeting. For ETD compound objects, the following are assumptions that received considerable support but not consensus:

- Although we recognized that ETDs with SOs (supp. objects) could be created as a single simple object, we decided to proceed with rendering them as a compound object for the following reasons:
 - We can support a common compound object architecture that servers both ETDs and data objects
 - We can preserve the simple content model with compound objects

- With both ETDs and data objects, there may at times be opportunities to deliver the simple objects independently of the complete compound object.
- Supplementary objects will have unique metadata
- For a WMS edit scenario, the user can point to the main object and WMS can access related objects (by using the API for relationships) as needed.
- Search results will deliver only the main objects. We will need to work on the user interface for accessing the SOs.
- SOs will be indexed as part of the main object.
- Showfed will show all the relationships.
- All the objects in the compound object (ETD or data) will have persistent IDs. The implication is that someone can cite the supplementary object independently of the main object. However, when the supplementary object is access via the persistent ID (i.e. showfed), they will be able to navigate to the main object.

On other topics, note that Jeffery will make a minor code update in the signature checking process for R5.2.

Other Items

Dave noted that we should remove the junk from our inc files. He will identify the junk and post it to sw_arch.

Agenda Items for the Next Meeting

- url migration of mss3 to rucore
- Relationship services in R5.2 of continuing review
- Review of updated configuration document
- rights-event/document linking
- Review of R5.2 requirements status
- Storage management on lefty64

rcj of 04/27/2010