SW Arch Meeting Minutes – January 15, 2015

Agenda

- Announcements and Updates
- Implementation specification for NetID/IP restrictions
- WMS custom form enhancements
- Reserved DOIs – xslt update for title_info attribute
- DataCite records do not have "creator"
- WMS – School Collection ID
- Converting techMD from inline to "M" - update

Announcements and Updates

Ron reviewed the Fedora migration survey that will be forwarded to Grace and submitted online next week. He also noted that the Fedora DC area users' group meeting is planned for late March. Since the meeting will focus on migration to Fedora 4.1, Ron will see if Grace can support travel and lodging for two people. Ron also outlined an approach for handling data projects which have many terabytes of data. Per a meeting with Grace, Ryan, and a representative of a project for collecting oceanographic data, we will be conducting a prototype soon in which we provide metadata and point to the data which is external to RUcore.

WMS Items – Reserved DOIs, School Collection ID, and DataCite "creator"

Three items on the agenda related to possible fixes in WMS. Some 1000+ objects have reserved DOIs resulting from the HDL update. In part, the reserved status resulted from WMS not accepting an attribute on the title_info field. We decided that the best fix for this situation is an update to the xslt script. Regarding the school collection ID, a fix in WMS is required to pad the two digit ID to five digits. The third issue (resulting from an email from EZID) is a blank "creator" field in DataCite metadata. We suspect this might be an issue with mapping roles from MODS to "creator". In a subsequent investigation, Ron found that there were four roles in data projects that were not being mapped - researcher (lower case initial cap), Researcher (upper case initial cap), Principal Investigator, and owner (lower case initial cap). The MDWG will approve the updates in the mapping and we will package these three fixes in a dot release – R7.5.2.

WMS Custom Forms for R7.6

Our plan is to provide bug fixes to the forms capability in R7.6. However, if there is time, we will also add some additional features as outlined by Kalaivani. These features relate primarily to improved methods for managing custom forms and include the following: 1) ability to view the form name collection, and CV source, 2) ability to view all input forms, and 3) ability to copy a custom form to other collections.

Specification for NetID/IP Restrictions

Chad reviewed the approaches that could be used for implementing the NetID/IP restrictions. Restrictions can be applied at the collection, resource, and datastream levels. Basically, there are two implementation approaches: 1) use planned Fedora A/A capabilities or 2) move ahead with an RUcore specific solution. Both of these approaches have some significant issues. The use case scenarios that are being developed for Fedora appear to satisfy many of our requirements, however the implementation schedule is likely much further out than we can accept. By developing our own local solution, we can meet our schedule requirements and fine-tune the solution to our specific needs. However, there was considerable concern voiced over not being able to collaborate with the larger Fedora community. In theory, we should benefit in this collaboration by using community solutions that save on development effort.

We decided to move ahead with our own local solution and to seek other alternatives for collaboration. Those of us who attend the next user group meeting can look for other ways to collaborate. Chad will begin development and bring in a review at some point when we can get a better understanding of how or where restrictions are applied. For example, the group thought that applying restrictions at the collection level would work well in WMS. However, applying restrictions at the resource or datastream level would probably require a special administrative interface.

Development Server Items

Chad reviewed the items that require attention before we can move forward with using the new development server. These items include: 1) SSO NetID login - Does not return authenticated user from CAS, 2) Audio and video playback isn't working – related to the Wowza configuration, 3) WMS ingest is still being tested, and 4) DjVu needs to be installed. We need to determine the version of Djvu software and there may be license issues related to making copies for multiple servers. We set January 23 as target to move to the new development server. We will also need to establish the public-facing URLs.

Regarding the use of Djvu for converting tiffs to PDFs, we may be able to use the AdLib software after it is updated. Kalaivani noted that she will work with Nick to update to version 5.0. This will also require an update to Windows 2008 or 2012 and the addition of more memory.

Converting techMD from Inline to Managed

This item will be discussed in the next meeting after Jeffery and Dave have tested the "Wilpur" script that is reported to handle this conversion.

Other Items

We decided to have our R7.5 celebration in the next meeting (January 29). Chad will bring bagels, Kalaivani will bring fruit, and Ron will bring the drinks.

Agenda for Next Meeting (January 29, 2015)

- R7.5 celebration with drinks (Ron), bagels (Chad) and fruit (Kalaivani)
- R7.5.2 dot release (three WMS fixes)
- dlr/EDIT SSO implementation specification – update on group names
- DataCite "creator" field not populated
- Other reserved DOIs requiring manual effort (collection objects, incorrect data)
- Converting techMD to "managed" – update
- Pending
    - o Decommissioning the HDL server
    - o Updating xacml policies (per Chad's investigation)
    - o Revisit/clarify our quick fix policy (do quick fixes get a dot release?)
    - o Review all PDFs in RUcore to determine if they have restrictions.

rcj- 01/26/2015