

Software Architecture Working Group Meeting Minutes
9/24/15

Present: Kalaivani Ananthan (recorder), Dave Hoover, Rhonda Marker, Chad Mills, Aletia Morgan, Yang Yu

Excused: Isaiah Beard, Jie Geng, Jeffery Triggs

1) Announcements

- a. CISC reviewed Analytic Tagging Specification on 9/23/15. There are no major changes, but Grace suggested that tagging is a good place to add linked data capabilities. Linked data provides a way to connect related data using URIs and RDF (Resource Description Framework), which helps to find other related data.
- b. Digital Humanities Lab policies and procedures document was reviewed by CISC, specifically they discussed about WordPress and Omeka software. This group doesn't have any involvement in this project unless the project team decides to add digital objects from Omeka into the repository.
- c. RUcore search portals for individual faculty members will no longer be created. These portals were created and linked in Faculty Survey site manually. My Bibliography Link in My Account and these portals function similarly; search portals need to be created manually, but My Bibliography Link is available automatically. CISC approved the proposal to stop creating new faculty search portals. Rhonda will request the faculty survey site web master to update the text and point them to My Bibliography Link in RUcore.
- d. Fedora meeting will be on October 8, 2015 in DC, and the SW_ARCH meeting has been cancelled. The next SW_ARCH meeting will be on October 22, 2015. Chad, Yang, and Jeffery will attend the Presentation Day meeting. Jie may also attend.
- e. Kalaivani and Chad are looking for a replacement product for software.libraries. They are compiling a list of requirements and hope to make a decision by end of October. The current site uses an outdated version of Drupal and rewriting requires a lot of development work.

2) R7.7 update

- a. Yang
 - Waiting to get the license for ABBYY OpenAPI. Chad will ask Isaiah to contact KeyMarc to get a temporary license until they receive the PO from the Purchasing Department. Yang explained that we've unlimited license for Processing Stations but have only 1 license for Verification, Indexing, and Scanning Stations. Nick has opened up a ticket with the technical support to understand how these components work together. Yang will get things working first and then get together with developers. He may be OK for end of October code freeze.
 - Currently working on versioning enhancements for scholar submissions. When a newer version is deposited, relevant metadata will be populated from the previous version. Citation mapping to descriptive metadata needs to be parsed to bring it back into WMS. This is fuzzy. Mapping may not be 100% accurate.

- b. Chad
 - Will start working on Audio support in RUanalytic tool. He may ask Grace to move Tagging to R8.1. Development schedule will be on track if Tagging is moved to R8.1.
 - c. Dave
 - Reported that JPEG2000 server has been installed on the development server. Chad said that he only needs the component to serve JPEG2000 images. Creating of JPEG2000 images are currently being done offline, and Chad will look into creating them using the server in the future.
 - d. Rhonda
 - Will finalize the conditional logic document. She will also update the previous documents and re-upload them.
 - “Other” category will be a very simple form. Will include author, title, date, and embargo only. It will be completed before Jie returns.
- 3) Review of communication protocol for downtime announcements with RUcore – Tabled.
- 4) OOI Data Project
- a) The Ocean Observatories Initiative (OOI) collects and makes data available to researchers through the use of DOIs. There are about 200-300 different types of sensors. Each sensor streams different data in 15 minute increment in a raw form. Chad had a meeting with the project technical team last week. He said that the researchers now want the ability to document raw data, which is required by NSF.
 - b) He developed an API to ingest metadata directly into the repository. The files are stored externally, not in RUcore. Yu-Hung will create about nine collections in WMS for this project, and he will be the maintainer of the metadata. The API doesn't require any manual intervention.
 - c) Yu-Hung will create relationships using RELS between raw, level 0, and instruments.
 - d) Going into production in October.
- 5) Jobs and Reports Update
- a. Tombstone project: There are 50 objects with bad dates or duplicate dates. This task is complete now. Rhonda is working on cleaning up these records.
 - b. Resources with “reserved” DOIs in Roman Coins Collection: Jeffery ran a script to identify objects with reserved DOIs in the Roman Coins Collection. The project team will use the report to clean up metadata and change DOI state to “public”. Three DOI issues identified:
 - Records with no <namePart> metadata but a <role> exists
 - Records with no <given name> or <last name> but a <displayName>— A fix was put in place in R7.6 to send either the <given name> or <last name> to EZID to meet the creator requirement. We learned recently that the Roman Coins project team is creating records with no <given name> or <last name> but has a <displayName> only – the MDWG reviewed the cataloging standards and informed the project team that a name must be entered in first or last name.

- Facet display – the Roman Coins portal displays time period. The catalogers were copying and pasting BCE dates from a word document, which was causing display problems.
- c. REF-1 datastreams in RUcore: Jeffery created REF-1 datastreams from ARCH1 datastreams and added to the objects. This task is now complete.
- d. Move techMD to datastream in RUcore: The group agreed that relaxing the system level POLICY is not a viable solution on the production server. The system level policy needs to be modified and tested before the work can be done on the production server. The new syntax will allow datastream migration from “inline” to “managed” while enforcing the object level XACML policies. A possible solution for changing the system level policy is documented in software.libraries. Jeffery should work with Jie and/or Chad to understand the changes and test it before applying it on the production server.