SW Arch Meeting Minutes – November 6, 2014

Agenda

- Announcements and Updates
    - Update on adding DOIs to objects with HDLs
- R7.5 Testing Status
- Policy for managing crons
- Review specification for unpacking tars
- IP/netid restriction scenarios
- Pending
    - Updating label and alt-id attributes
    - Updating xacml policies (per Chad's investigation)

Announcements and Updates

Jeffery reported on running the script on development to add DOIs to resources with HDLs. It was noted that we will need a report that identifies the rutgers-lib ID and content models. The report will be used to repair the problems on production, e.g. for collection objects that did not have dates resulting in a reserved DOI. Jeffery will prepare the report and complete the update on development. The script will then be run on staging and production with the objective of completing the update next week.

R7.5 Testing Status

Testing is basically complete and testing on staging will be signed off on November 7. Kalaivani has filed a few minor items in software libraries to be fixed in the next release (mapping issues in the export to Endnotes, range sorting, blank page on the dynamic bibliography). We will proceed with the public release to be delivered on November 17 and the downtime notice should go out a week earlier on Monday, November 10. Configuration changes and the update to service pack 2.0 will occur on the morning of November 17 and RUcore should be back up by 1 pm.

Managing Crons

Chad introduced this topic and proposed that we need a better management process for crons including an inventory which identifies the function, how often it is run, and perhaps other important aspects such as resources consumed (memory and cpu). In addition, we should also examine how we package crons for delivery. For example, crons that run standalone with no other dependencies might be packaged in their own directory (similar to classes) as opposed to being included in one of the subsystem directories. The proposed approach should improve our ability to manage and deliver RUcore software. Chad will work with Dave to prepare an inventory of crons to be discussed in the next software architecture meeting.

Unpacking tar files, sha-256 updates, and Technical Metadata

Jeffery discussed the specification that we had reviewed some time ago. Basically, everyone agreed with the specification for unpacking tars and updating checksums to sha-256. However, most of the discussion was on how and when to convert inline technical metadata to managed datastreams. At present, a resource can have either inline

technical metadata or a managed datastream. The Fedora API handles this transparently so users do not see any impact from the two representations. Our objective is convert all technical metadata to managed datastreams. We decided that this conversion and update process should be handled as a separate process and not included with the tar/sha-256 update. There was also discussion as to when the techMD datastreams should be updated. Jeffery noted that Fedora 4.x requires all inline data to become managed so we might do the update when we move to Fedora 4.x. Jeffery will prepare a specification for discussion in an upcoming software architecture meeting. As part of this discussion we refreshed the priority for running these various scripts as follows:

- DOI-HDL update – run the week of November 10.
- A script will be run to unpack all tar archival masters in early December (after the two week soak period for R7.5).
- Run the script for updating label and alt-id attributes on datastreams (mid-December).
- Proposed order (but not discussed)
  - Adding REF-1 datastreams
  - Updating xacml policies
  - Converting techMD to managed datastreams

IP and NetID Restriction Scenarios

Ron reviewed the various scenarios based on the discussion from the previous software architecture meeting. There were only minor updates and Rhonda will draft the requirements for discussion at CISC.

Agenda for Next Meeting (November 20)

- Specification for updating labels and alt-id attributes on "cover page" resources (Jeffery)
- Inventory of crons (Chad)
- Text dates – the coins experience (Ron)
- Pending
  - Updating xacml policies (per Chad's investigation)
  - dlr/EDIT policy and authentication
  - Converting techMD to managed datastreams

rcj- 11/17/2014