SW Arch Meeting Minutes – March 8, 2012

Agenda

- Announcements and Updates
- Progress on R6.1.2
- Progress on Non-release projects
- Specification for R7.0 – video streaming
- Dates for Remaining Specifications

Announcements and Updates

Several software architecture members took a one-day course on EADs. Ron will propose to Grace that we start an EAD working group to prepare for the EAD – RUcore release (R8.0). Regarding data, Ron has ingested several data objects from his innovation study and Ryan is working on ingesting primate teeth data. Ron is beginning to investigate how we might archive blogs. This work is in connection with a history professor who is interested in archiving blog data for her research. With respect to this effort, Grace proposed that Ryan and Ron investigate how we might introduce a dark archive into RUcore.

Release R6.1.2

For R6.1.2, we'll index all MODS as a clump to make sure all of the MODS text is searchable. We'll also include rulib:name with other MODS names so it will be properly indexed. It is expected that we can move R6.1.2 to the staging server next week.

Non-Release Related Updates

The status of each project is summarized below:

- Research data. See note above under Updates.
- JPE. Kalaivani will work with Jeffery to move the JPE objects to production next week. We need to test shibboleth on production. (Post-meeting note. It looks like shibboleth is now working).
- Analytic. Chad will move the test environment for Analytic from lefty64 to rep-devel. Shibboleth is ready on development so Chad will proceed with testing (with students). It is expected that we can release Analytic as another dot release (R6.2) in April probably.
- XML-1 Datastreams. Jeffery will work with Linda to test this capability.
- Jpeg Thumbnails. Jeffery will work with Linda to test this capability.

Specification for Video Streaming

Isaiah reviewed the requirements for video streaming and the proposed changes in RUcore. By way of summary, we will be moving ahead with the Wowza Media Server, a proprietary solution that provides support for MP4 (and MOV) and RTMP. It appears that the Wowza server can be easily

integrated into the RUcore architecture. In addition to the server component, we will need an MP4 disseminator and we'll need to support the MP4 file type throughout our software. MP4 will become our new streaming format and we'll look to retire MOV and FLV over time.

Given limited year-end funds, it is not clear when we will be able to purchase new server hardware and the Wowza software. Dave will talk with Tibor and report on this issue in our next meeting. If we can't purchase hardware, we'll try to reuse one of the existing systems.

Target Dates for R7.0 Specifications

We have a target date of completing reviews of specifications for R7.0 by April 19. In addition to the dates that we set at the previous meeting, the following were added or changed:

- Complex objects and the structure map – Chad (March 22)
- WMS file support and background ingest – Kalaivani and MDWG (April 5)
- Enhanced UI for the landing page (from the persistent ID) – Chad and Jeffery (March 22)

The suggestion for the landing page is for Chad and Jeffery to put some framework around this problem that can be practically addressed in R7.0. We'll proceed from this point to a more complete specification. In addition to the above, Ron will talk with Tibor about use cases for A/A related to video and other scenarios (NSF grants, ETDs, and faculty deposit).

Agenda Items for Next Meeting

- Complex objects/structure map specification – Chad
- Fedora checksums – Jeffery and Jie
- Enhanced UI for the landing page (a possible framework) – Chad and Jeffery
- Video server report (Dave)
- Status of Non-release projects

rcj – 03/19/2012