

Software Architecture Meeting, Thursday, May 21st, 2009

(Ananthan, Beard, Geng, Hoover, Marker, Mills, Nakagama, Triggs , Yu)

Agenda

- 1) **Migration Status** - Expected outcome is mss2 readiness date, mss2 migration date, mss2 testing date, read-only system/mss3 downtime date.
- 2) **Review read-only system document** - Expected outcome is approval of implementation plan
- 3) **Review faculty deposit 3rd party submission specification** - Expected outcome is approval of specification
- 4) **Text layer extraction of PDF's, R5.1**

Agenda Items

- 1) **Migration Status** - Expected outcome is mss2 readiness date, mss2 migration date, mss2 testing date, read-only system/mss3 downtime date

Hoover reported that since the last meeting he has been able to successfully compile PHP5 on MSS2. He has yet to compile PHP5 with mime-magic, LDAP and crypt. The compilation flags for those features on lefty64 did not translate directly during compilation on MSS2. XSLTProc was compiled as expected. Java 6.10 64-bit was installed. Java Bridge has yet to be installed. Finally, the Fedora configuration file on lefty64 was modified after initial installation. How this configuration file was modified has not been documented to date, so MSS2 installation is not complete. Hoover will work to configure MSS2's Fedora installation by comparing it with lefty64. Nakagama will document the changes that were made on the lefty64 Fedora configuration file. He will also outline the ideal process for those methods that might have multiple implementation options.

Nakagama will send this information to Triggs by the end of 5/21/2009. Triggs will update the installation guide for NJVid with the information by the end of this week. Hoover will have the rest of the support software on MSS2 compiled, Fedora installation completed and all repository software installed by Friday, 5/29/2009. The group then had a lengthy discussion regarding migration/installation/testing schedule for implementing R5.0. All Software Architecture members reported vacation time through June into July; this was considered when developing the schedule below. Ananthan volunteered to manage the schedule, reaching out to non-communicative parties when their portions of the schedule are due. The following is an agreed upon implementation schedule containing dates.

Date	Task
5/22 (Fri)	Ananthan provides Nakagama MSS2 Fedora ID's to be migrated to Fedora 3.0 objects for later testing on MSS2. Working with Hoover, Nakagama exports those objects from MSS2.
5/29 (Fri)	Hoover completes MSS2 software upgrades and the test Fedora 3.0 objects are in place. MSS2 is ready for testing.
6/01 (Mon)	Ananthan configures WMS on MSS2.
6/02 (Tue) – 6/03 (Wed)	Testing on MSS2 is conducted.

6/04 (Thu)	Nakagama reports on read-only system readiness at Software Architecture. Ananthan provides MSS2 testing feedback. Message to repository users of impending read-only time is sent after Software Architecture approval.
6/15(Mon) Due early morning	The current MSS3(V440) is considered to be in read-only mode. WMS, Faculty Deposit and NIH Submission capability are replaced with a “read-only downtime message” to prevent logging in & use.
6/15(Mon) – 6/16 (Tue)	Temporary read-only system pulls all Fedora 2.x objects from MSS3 (V440) in preparation of becoming the read-only system.
6/16 (Tue)	The V440 that is being upgraded is taken offline and replaced with the read-only system.
6/16 (Tue)	A pull of all objects from the V440, which is now offline, to the migration box is begun. Initial filtering is checked.
6/24 (Wed)	Initial conversion of objects on migration box is complete. The final step of the conversion begins.
6/25 (Thu) – 6/26 (Fri)	Objects on migration box are converted and the push back from the migration box to the V440 commences. At this point the V440 will have had its Fedora and related software upgrades completed.
6/29 (Mon)	All converted Fedora 3.0 objects are in place on the V440. All software upgrades and R5.0 code is installed. The V440 is ready for testing.
6/30 (Tue) – 7/6 (Mon)	Testing is conducted on the V440.
7/7 (Tue) – 7/9 (Thu)	The V440 replaces the read-only system and the R5.0 release is complete.

* All tasks are due at the end of the business day, unless otherwise specified

* Length of read-only system in place is 23-25 days.

2) **Review read-only system document** - Expected outcome is approval of implementation plan

Nakagama had questions before finalizing the read-only system implementation plan. Partner portal code will be transferred and portals will be in use during the read-only time. New portal creation and changes to existing portals will not occur during this time. Mills will provide the RUcore and NJDH websites for the read-only system. A common message stating RUcore is in read-only mode during the upgrade will be in place for the 404 error pages. WMS, Faculty Submission and NIH will not be installed on the read-only system. The front pages for those three applications will have explanatory messages about the system upgrade in put in their place.

3) **Review faculty deposit 3rd party submission specification** - Expected outcome is approval of specification

The third-party deposit section of the document was discussed. Initially, it was thought user information needed during the object creation process would be stored from and provided by local MySQL tables. This is not ideal and was replaced with the method of querying LDAP, when needed, for current user information

(name, affiliation, etc.). Only the NetID username will be stored in the Faculty Deposit tables, no other identifying information will. The ability to remove a “submitter on your behalf” will be added to the requirement document. Email alerts will be sent to the object creator when ingesting an object on behalf of someone else. The party having the submission performed for them will also receive an email alerting them someone submitted a document on their behalf. Finally, whoever physically performs the submission to faculty deposit will have the appropriate information inputted in the object creator portion of the object. The name element and rights field of the object will contain the appropriate author information of the person who is having the submission performed on the behalf of. Marker and Geng will revise the specification document for the next meeting. At the next meeting the 3rd party submission section will be reviewed once more and the rest of the document will be reviewed as well.

Next Meeting

The next Software Architecture Meeting is scheduled for Thursday, June 4th at 9:30 A.M. at the SCC. An initial, proposed agenda is below:

- 1) Status update of migration
- 2) Review of Faculty Deposit Features
 - Review new third party deposit changes from last meeting
 - Initial review of co-author feature
 - Initial review of embargo period selection
- 3) Text layer extraction of PDF's, R5.1 feature