Software Architecture Meeting, Thursday March 20th, 2008

(Ananthan, Beard, Ellis, Geng, Jantz, Liew, Marker, Mills, Nakagama, Triggs,Yu)

Agenda

1. R4.5.1 status
2. Open source WMS status
3. Storage architecture discussion
4. Content models and Fedora 3.0
5. Scheduling of requirements for R5.0/5.1
6. Update from shibboleth/xacml working group
7. Quick items (Google indexing of faculty collections , demo objects on mss3)

General Items

- Next meeting is Thursday April 3rd, Jantz will be away at a conference, Mills will chair.
- The Fedora preservation services group is being transformed into a solutions council that will be chaired by Jantz
- NJEDL will be go through redevelopment this spring to use the repository infrastructure for storage, editing, search, statistics etc. Vince will be hired part-time to work on the project with Linda Langscheid, Beard, Geng and Mills. Langscheid and Beard will be creating specifications and the group will meet next week sometime to start the transition process.
- Grace Agnew wants to mimic Northwestern University JPEG2000 implementation. Beard is going to compile a list of issues with how this will affect future development, object architectures and workflow. He will bring this to the next Software Architecture Working Group meeting.

1. R4.5.1 status

- R4.5.1 code has been installed on MSS2.
- Target release is 1st week of April, 4/2/2008
- It was reiterated that code for the .x.1 releases needs to be pulled into CVS after the Release Manager has signed off on the code on the test system and NOT before this has been done. This assists in keeping timestamps in line with release dates and prevents resubmitting to CVS if the .x.1 is found to have any issues during initial testing.

2. Open source WMS status

- Northwestern will be testing the WMS installation, implementation and new object architectures with JP2000 additions.
- The open source WMS candidate will be installed on lefty to test the installation package. Beard will also test the install on a separate Linux installation as well.
- The open source WMS will be bundled with some controlled vocabulary terms. Yu raised the point that we need to decide what terms to bundle as a core set and with what namespace as well. Marker will take this issue to Metadata Working Group and this will be a topic at the next Software Architecture Working Group Meeting.
- The modules; cataloging utility, mapping, export, batch import, administrative(collection, org etc.) and file handling are in place and need to go through a rigorous round of testing. The authentication module still needs to go through development.

- Yu will install on lefty for 3/24/08 Columbia demonstration.
- A code freeze date of April 4th has been put in place for packaging and delivery of code, 4/16/08, to Northwestern for their testing.
- Triggs will test XML generated in Fedora from the open source WMS as well.
Ananthan drew the following diagram on the whiteboard to display the three releases being planned for the WMS.

Library of Congress	Northwestern	Rutgers University Libraries
Mapping Module	Mapping Module	Mapping Module
Cataloging Utility	Cataloging Utility	Cataloging Utility
Batch Import Module	Batch Import Module	Batch Import Module
Export Module	Export Module	Export Module
Administrative Module	Administrative Module	Administrative Module
	File Handling Module	File Handling Module
April 4th Code Freeze	*April 4th Code Freeze*	

3. Storage architecture discussion

Jantz will schedule a meeting through email. Getting large format files working is a more important issue at this time as opposed to mirroring.

4. Content models and Fedora 3.0

- Triggs will pull together requirements for content models and Fedora 3.0 implementation.
- WMS will needs changes to interoperate with the new disseminators
- A book content model will need to be defined.
- With testing on lefty64, Fedora 3.0 produced 139 content models for a thousand objects.
- A draft will be brought to the April 17th Software Architecture Working Group meeting.

6. Update from shibboleth/xacml working group

- Jantz will distribute minutes from the first Shibboleth meeting with Agnew's comments.

Topics for next meeting

1. Core set of controlled vocabularies to deliver with the open source WMS along with namespace discussion. Marker
2. JPEG2000, Aware server, report. Beard
3. Scheduling of requirements for R5.0/5.1
4. Quick items (Google indexing of faculty collections , demo objects on mss3)
5. Exporting ETDs to ProQuest