

**Software Architecture Working Group**

November 11, 2008

**Minutes of November 6, 2008 Meeting****Agenda**

1. Quick updates (NJVid and configuration/installation for NJVid)
2. WMS 5.0 Requirements and Code Complete
3. Testing Procedures
4. Review of Thumbnail spec
5. Migration of NJEDL to RUCore
6. Pending
  - a. Annotation spec
  - b. Handle Server upgrade
  - c. Darwin authentication
  - d. Quality initiatives (google indexing, performance)
  - e. Local host restrictions
  - f. ETD content model
  - g. Fedora 3.1

**Quick Updates**

Isaiah reported on NJVid video ingest progress and indicated that 45 videos are now in WMS and ingest of these should start next week. There should be no problem with have a significant number (40 to 50) in the repository for the NJEDge demonstration. We also discussed the NJVid user interface and portal. Although it is working, there are some issues with presentation that could be improved. For example, the browse topics that yield empty results should probably be removed from the left column. Chad will suggest ideas via email.

Ron reported that a sub-group met with Sujay and Adam to discuss the installation and configuration of RUCore R5.0 for NJVid. Other than reviewing major configuration settings and versions, there were no particular issues. Another meeting will be set up in the December/January timeframe to discuss application configurations, especially for WMS and to discuss release procedures. As part of this discussion, we tentatively concluded that we move to Fedora 3.1 for R5.0. (Note, in a post meeting discussion, Sho indicated the that the Fedora 3.1 migration capability has some bugs. Consequently, we should probably stay with Fedora 3.0. This will be covered briefly in the next meeting).

**WMS 5.0 and Code Complete Date**

Jie had submitted the 3<sup>rd</sup> draft of the WMS 5.0 requirements document prior to the meeting. We believe that this document is ready to be baselined. (Note: There are some minor html changes that are being proposed in for Faculty Deposit. These should probably be added to the requirements document). We also agreed the collection hierarchy would be supported in both open MIC and open WMS.

We proceeded to discuss the code complete date for WMS for release 5.0. Given the major components of work to do – faculty submissions, fedora editing, WMS 5.0 requirements as above, moving WMS to lefty64 and PHP – Yang concluded that development time would take about 8 weeks. Given holidays, this interval sets the code complete date at January 21. This new date is roughly one month later than we expected.

### **Proposed New Testing Procedures**

Kalaivani reviewed a handout that outlined a proposal for revised testing procedures. The context for this proposal is that it is increasingly difficult to find enough testers to complete the work in a timely fashion and we are proceeding with more complex and sophisticated applications, including videos with annotations, etds, application portals, faculty services, etc. The core of the proposal is to identify project managers who would develop the test plan for each major application. We suggested that these major applications would include: faculty services, etds, NJDH, NJVid, RUcore, WMS, and dlr/EDIT. Part of the plan would include the identification and recruiting of those who would do the testing. In addition to those who have routinely done the testing, we should recruit additional staff and possibly students. Members of sw\_arch also agreed to participate in the testing. Kalaivani will develop the proposal in more detail, specifically to identify the project managers and applications/subsystems. The proposal will be presented to CISC.

### **Thumbnail Requirements**

There are still a number of open issues regarding how we want to provide for thumbnails. We concluded that most content models should have a “results” jpeg thumbnail that is stored the object datastream with ID of THUMBJPEG-1. This thumbnail would be small (e.g. 80 pixels wide) and would appear in the brief record display of results. We also discussed the possibility that some content models may have default thumbnails. For example, a dataset probably does not have any useful unique thumbnail so that we might want to use a default for this type of content model.

There was considerable discussion as to how to generate the “results” thumbnail and the derivatives. We decided to move ahead by asking Chad to develop requirements for the most urgent content models, including photographs, maps, and videos. Photographs and maps account for a majority of objects in the repository and currently we have no way of handling video thumbnails – a feature required for NJVid. The thumbnail spec will be revisited at the next sw\_arch meeting.

**Miscellaneous**

A request was made to make sure that topics discussed in CISC meetings were covered in sw\_arch. Ron will plan to do this routinely.

**Next Meeting Agenda**

1. Quick updates including CISC results and Fedora 3.0/3.1
2. Handle server proposal
3. Thumbnail spec
4. Final review of shibboleth/service provider spec
5. NJEDL requirements
6. Pending
  - a. ETD content model
  - b. Annotation spec
  - c. Darwin authentication
  - d. Quality initiatives (google indexing, performance, etc)