

SW_ARCH Working Group Minutes of May 10, 2007 Meeting

1. R4.2 Status and Issues

- Yang indicated that he needed ssl/ldap on lefty to provide netid login for faculty submissions. (In a subsequent discussion with Sho, the plan is to have this installed on May 11, 2007). Yang will also work with Shaun to reuse some of the experience and maybe some of the code from the ETD application. For department IDs, Yang will explore the link that Dave sent around relating to department IDs in the LDAP database.

- Dynamic collections. We agreed to handle the dynamic collections in NJDH by creating a special collection entitled "Related NJDH Materials". With this change, we will move to a uniform policy for both NJDH and RUcore where a selection of the main top level collection only will list results for all collections.

- Kalaivani reported that there are 24 bugs that have been assigned and must be fixed for R4.2.

2. Collection IDs.

We agreed to use the noid (nice opaque identifier) approach for collection IDs. The noid process allows for a very general and customizable format for generating identifiers. The format consists of a constant prefix and a mask that specifies a format. For all RUcore collections going forward, as of R4.2, we will use a collection ID of the form *rucore.zdddddd. *Using this format, collections will start with the digit string 000100 and will increment sequentially. Thus the collection id's will appear as follows: rucore000100, rucore000101, rucore000102, etc. It should be noted that the persistent ID uses the collection ID, so a typical PID would look like the following: 1782.1/rucore000100.collection.[integer assigned by WMS]. Since resources will be cited using this handle, it is also a good marketing mechanism for rucore. We also agreed to not actually use the noid code but will re-program according to the noid spec. This is simple to do and will give us more standard code. Note that a more complete explanation of noid will be posted on the RUcore developers website.

3. Faculty Submissions

Rhonda reported that we will need to synchronize WMS with the new obj_architecture list (Rhonda will send to Yang). Also, there are some UI changes that need to be made. Rhonda also indicated that the major issue was how to handle the creation of PDFs (see next item). Rhonda will be working with the faculty submissions group to ingest some objects next week. (Ron Jantz will also create a personal collection).

4. PDF Server Software

Chad and Isaiah reported on server software for automatic pdf generation. The Adobe product is way out of our price range. The Adlib software looks promising and we will

recommend it for purchase contingent on another font test and verifying that the software will be PDF version 8 compliant. Jeffery will supply a file for another rigorous font test. The purchase price is approximately \$21K and we will need to buy two Windows servers, one for development and one for production. The total purchase will be about \$32K. We will not be able to introduce this software for R4.2 (it will become a R5.0) feature. We did clarify archival master content. For R4.2, the archival master will include the submitted file (Word, powerpoint, etc). With the introduction of the pdf server, the archival master will include both the pdf/a and the submitted file. This should also hold true for ETDs.

5. Checksums for R4.2

Jeffery has automated checksum verification working on lefty. We want to introduce this capability into R4.2. We want to first make sure we have corrected certain object anomalies that caused checksum failures on mss3 before introducing the nightly checksum verification. In the next two weeks, Kalaivani and Jeffery will work to make the corrections. Dave and Jeffery will then work to configure the checksum verification for R4.2.

6. ETD Notes Files

Until we have introduced compound objects that allow for a parent object to have supplemental files as independent objects, we need to insert the supplemental files as datastreams in the parent object. To support this feature in ETDs, we will need to have a notes file for each supplemental file datastream. Shaun's export procedure will be able to create these multiple notes files. Yang noted that you can't yet create multiple notes files thru WMS but he will add this feature.

7. Next Meeting

Our next meeting is May 24 at 9:30 in the Heyer room. Items for consideration include R4.2 status, supplemental files, Fedora 2.2 status, WAAND, and R5.0 candidates.