Software Architecture Meeting, Wednesday, November 28th, 2007

(Ananthan, Beard, Ellis, Geng, Hoover, Jantz, Liew, Marker, Mills, Nakagama, Triggs, Yu; Guest: K. Hartman)

Agenda

1) R4.5 code freeze date through to release date adjustments
2) Google indexing update, Triggs.
3) Review changes to the Video/Audio object architecture documents; Beard.
4) XACML followup; Ananthan and Triggs.
5) Handle server, test object migration followup; Hoover, Nakagama and Triggs.
6) Collection Statistics
7) Faculty Survey integration

General Announcements

Jantz reported the Mardikian paper "Mental Health Consequences of September 11…" is the number one requested object according to the statistics package. It was also mentioned the initial announcement of the paper in RUcore did not make use of the persistent ID(handle), rather it directed people to a temporary space where the PDF was being stored. The following URL was sent in the announcement: http://mss3.libraries.rutgers.edu/dlr/TMP/rutgers-lib_21042.pdf. In specifications for R4.5 User Services has provided some clarity so in the search results the correct link to use for citations will be more evident.

Agenda Items

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1) R4.5 code freeze date through to release date adjustments
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Yu reported the new file handling module will be complete before winter break and will be available for R4.5. Modules that still need to be developed for the "Open Source" WMS are Authentication and Collection/Project management. If we were to release the implement the "Open Source" WMS in R4.5 Yu requested 2 more months of development (Authentication and Collection/Project modules), pushing back code freeze to early March. Faculty Deposit R4.5 should also be realigned to use the "Open Source" WMS code base.

A February release of Faculty Deposit is expected and commitments have been made so a delay of two months is not possible. The proposed work around is the following.

R4.5 will not consist of the "Open Source" WMS code base for either WMS or Faculty Deposit. Minimal work will be done on the existing/current WMS and Faculty Deposit code to make R4.5. There will be no custom SMAPs or DNG metadata in R4.5. Code freeze date will also be adjusted from January 4th, 2008 to January 18th, 2008. Due to winter break and other commitments this adjustment will not affect the test schedule, as the testers were not available during that two-week interval. Release to public of R4.5 is still scheduled for February 18th, 2008.

R4.6 will be a new release in May/June that will be the "Open Source" WMS implementation of WMS and Faculty Deposit. It will be developed and expected to run in PHP 4.x. From R5.0 forward the "Open Source" WMS will be developed to use functionality exclusive to PHP5 and will no longer support PHP4.x environments.

R5.0 will be scheduled for late summer and will still be encompass architectural (Fedora 3.0, PHP5 etc.) upgrades only.

"Open Source" WMS partners will have available to them XML exporting and file handling modules in January 2008. If NJVID requires a release in February 2008 they will be given current R4.5 repository code. If NJVID however does not require software in February 2008, R5.0 will be delivered to them in early fall.

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2) Google indexing update, Triggs.
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Triggs reported he constructed a sample sitemap and submitted to Google using their web developer tools. He is waiting for Google to index the sitemap; it might take a month for Google to respond. Triggs is placing metatags in the header to implement NO FOLLOW and has also placed subject terms in metatags, he noted keywords are not a

popular solution anymore. Currently for testing SHOWFED is using NO FOLLOW for all datastreams. After more testing PDF datastreams will be "followed." Marker will provide additional test objects for Triggs to use, *Toby Jackson Collection*. Triggs will also investigate submitting the sitemap to Yahoo! & MSN Live.

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3) Review changes to the Video/Audio object architecture documents; Beard.
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Document presented will become a working paper of requirements for R5.1. This will include custom SMAPs and SMIL documents. Object architecture for multiple SMAPs will be further explored and a JPEG datastream will be considered to provide a thumbnail/snapshot for end users.

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4) XACML followup; Ananthan and Triggs.
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Next meeting.

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5) Handle server, test object migration followup; Hoover, Nakagama and Triggs.
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Triggs wrote a script and applied it on lefty that edited all records fixed any that were not redirecting properly. He will send an email to Hoover with instructions and explanation so Hoover can apply it on MSS2. Triggs made an adjustment to the ingest script that will ensure objects ingested on a machine will obtain handles redirecting them back to the same machine. Triggs will also run a script to test ALL objects on MSS3 have valid handles and provide statistics of his finding to the Software Architecture Working Group.

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6) Collection Statistics
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Geng will take over responsibility of the collection statistics code being used. Along with Triggs and Mills they will explore its current state and devise rational for using the collection statistics to obtain yearly ARL stats, custom portal usage stats and more reliable object counts etc.

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7) Faculty Survey integration
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Next Meeting.

Next Meeting

1) Digital Docs/Administrative Space R5.1 Specification Review, Mary Beth Weber will be invited to discuss.
2) PDF Server class; Ellis, Mills.
3) XACML followup; Ananthan and Triggs.
4) Collection Statistics update; Geng, Mills, Triggs.
5) Checking of handles on MSS3 report; Triggs.