University of Arkansas Libraries  
Web Development Group - 10/21/11  
Present: Gilbertson, Hartman, Juhl, Morgan, Spiegel, Youngblood  
Guests: Amy Allen, Bobby Holleman, Diwakar Timilsina, Trent Garner, David Boddie  

**Action items in Yellow.**

**UARKive: ITS 10-Year Strategy**  
Juhl welcomed Holleman and Timilsina to discuss their work with Am Allen on DSpace as well as the broader scheme for an institutional repository framework. Holleman described the progress of bandwidth provision to 4- and 2-year institutions throughout the state through the ARE-ON program, which offers opportunities for sharing repositories and content.

He then outlined the recent history of repositories on campus, such as Razorvault (2008) which is an Oracle CMS. That service has evolved into primarily an administrative file storage system, used for business records and other office files.

ITS has been working with Amy Allen, CAST, and the group reviewing the NSF Data Management Plan, as well as considering the needs for storing research data with granular access. Bobby and his staff have determined that the solution needs to be open source platform on commodity hardware. He outlined the project architecture for a 10-year plan, with a diagram showing:

- user access layer (web / mobile)
- publication layer (branded portal / search)
- curation layer (repositories such as multiple DSpace instances, Islandora "federation," learning object such as Merlot catalog, etc.)
- ( I think there was also a database layer???)

Some of the discussion points were:

- Merlot and learning objects: how to encourage faculty to contribute products for external use
- participation of 22 other ARE-ON institutions and how to share resources yet have autonomy and branding
- the technical imitations of DSpace in terms of maximum number of objects which led to interesting in Islandora, a Fedora Commons repository running on Drupal; mention of other alternatives like Omeka.
- The SWORD ((Simple Web-service Offering Repository Deposit) standard for search and its use on this service
- DuraSpace as the umbrella organization for both DSpace and Fedora
- Automatic harvesting of metadata for WorldCat and the new Schema.org web site with recommended metadata fields for cross-search engine optimization
- the need for a streaming solution for campus (Pryor Center) as well as the Pryor Center’s need for many flops of storage for a dark archive
- the development of a curation workflow for NSF Data Management plan and storage needs for that and for CAST going forward
- Datasphere, a parallel project using Openstack Object Storage, a solution for long-term storage of large data files in a dark archive.

The group when on to discuss some of the specific deadlines for University Archives projects. The next deadline is November, when Amy hopes to be able to demo the Vireo system for submitting honors
theses (http://dpoc.uark.edu:9080/xmlui/) and to make instructional materials about that process for students. We would also like to have the public front end to DSpace ready at that time (http://dpoc.uark.edu:8080/xmlui/). Arthur Morgan is working on the css and xsl for this to happen.

In the spring, Bobby mentioned using Islandora for concert recordings. However, we have not received any of those yet this fall.
http://dpoc.uark.edu:8080/xmlui/
Respectfully submitted,

B. Juhl