Program Sigma Updates

University Libraries and Digital Library Technologies

Brown Bag • February 21, 2012
What we’ll talk about

- Program Sigma Basics – what we’re doing, who’s involved, where to find information (Patricia Hswe)
- Development of repository services platform and applications (Mike Giarlo)
  - Expectations for next 30–45 days (Beth Hayes)
- Short–term projects (Linda Friend)
  - Graduate Exhibition posters
  - Journal publishing services
Program Sigma Basics

- What we’re doing
- Who’s participating
- Where to find information
  - Short monthly pieces in *Interview*
Program Sigma

A joint project by the University Libraries and Digital Library Technologies
Providing Digital Curation and Repository Services to the Penn State Community

Program Sigma, initiated in August 2011 and a collaboration between the University Libraries (UL) and Digital Library Technologies (DLT,) marks the implementation phase of the Content Stewardship Program. It consists of two parallel and complementary tracks: the development of new services that leverage existing infrastructure and that can be realized in the short and medium terms - Ingest of Graduate Exhibition Posters, for example, and a revised workflow for born-digital data sets - and the design and development of a repository services platform to support the ingest, management, and delivery of digital library collections, student and faculty papers, research data, and electronic business records.

In addition to the above service development and implementation activities, the UL and DLT will also be overseeing the migration of e-journal and monograph content to CONTENTdm and an upgrade to CONTENTdm 6.1.

Program Membership

With Andrea Harrington serving as Program Manager, Sigma membership consists of the following:

Marcy Bidney, Linda Friend, Mike Furlough, Lisa German, Mike Giarlo, Beth Hayes, Patricia Hswe, Linda Klimeczak, Christy Long, Mairéad Martin, and Tim Pyatt.
Weekly stakeholder meetings & discussions

The Role of Stakeholders (Users)

The part of Program Sigma that will be designing and developing a repository services platform will engage stakeholders on a weekly basis. Each week the development team will show stakeholders the latest iteration of the platform, and stakeholders will provide their feedback, making suggestions for improvements and thereby informing the next iteration.

The stakeholders for the repository services piece of Program Sigma, listed below, are primarily liaison librarians. They are offering use cases that will help ensure the resulting platform is relevant to them as well as to the faculty and students we all serve. Their close ties to faculty and students will also be important to draw upon during the testing phase.

This blog post describes our stakeholder process: "A Start on Getting at Services Our Users Want"

Participating stakeholders are listed below:

- Marcy Bidney
- Nan Butkovich
- Ellysa Cahoy
- Debora Cheney
- Dawn Childress
- Kevin Clair
- Linda Friend
- Dan Hickey
- Patricia Hswe
- Janet Hughes
- Sue Kellerman
- Dan Mack
- Cheryl McAllips
- John Meier
- Bonnie Osif
- Henry Piscotta
- Tim Pyatt
- Albert Rozo
- Nonny Schlotzhauer
- Helen Sheehy
- Helen Smith
- Bob Toller
- Gary White
- Stephen Woods

The Role of Use Cases

Use cases are pivotal to the development of repository-based services in Program Sigma. By "use case," we mean the service inquiries that Scholarly Communications Services and Digital Curation Services have consulted on, with both library and teaching faculty and with graduate students, over the last couple of years.

Participants at the Publishing and Curation Services Retreat in August 2011 saw this table of service inquiries (PDF). These are serving as our use cases for Program Sigma. We are mindful that this table represents only a portion of what our users inquire about. We invite you to take a look and to let us know what isn't there, that should be there. Please contact Linda Friend or Patricia Hswe, and share your ideas.
About

The Content Stewardship program is an institutional initiative to address digital content and data management needs in areas such as digital library collections, scholarly communications, electronic records archiving, and e-science/e-research data management. Building on existing services and infrastructure, the program is developing an interoperable and extensible suite of discovery, preservation, curation, archival, and storage services.
Repository Services Platform

Application layer

Repository Services Application
Basic preservation, management, search, and presentation of digital assets

Platform layer

Fedora
Storage service (unique identifiers, checksums, & access controls)

Solr
Search & Index service

Storage layer

Archival Storage
## Admin User Dashboard

### My Files

#### Language
- Subject
- Creator
- Date Created
- Date Published
- Format
- Type
- Collection

#### Selected Items (3)

<table>
<thead>
<tr>
<th>Name</th>
<th>ID</th>
<th>Date Created</th>
<th>Owner</th>
</tr>
</thead>
<tbody>
<tr>
<td>Old Files</td>
<td></td>
<td>January 9, 2012</td>
<td>Owner Name</td>
</tr>
<tr>
<td>Screencasts</td>
<td></td>
<td>January 9, 2012</td>
<td>Owner Name</td>
</tr>
<tr>
<td>Lighthouse</td>
<td></td>
<td>January 9, 2012</td>
<td>Owner Name</td>
</tr>
<tr>
<td>Penguins</td>
<td></td>
<td>January 9, 2012</td>
<td>Owner Name</td>
</tr>
<tr>
<td>Minutes and attachments from January 2012 mbg.zip</td>
<td>424066c510c54b</td>
<td>January 9, 2012</td>
<td>Owner Name</td>
</tr>
<tr>
<td>Social Media Integration on 2013 Vehicles.mov</td>
<td>424066c510c54b</td>
<td>January 9, 2012</td>
<td>Owner Name</td>
</tr>
<tr>
<td>PSU Caps Original Designs.psd</td>
<td>424066c510c54b</td>
<td>January 9, 2012</td>
<td>Owner Name</td>
</tr>
<tr>
<td>TEDx AUD Press Release: Latest Research.pdf</td>
<td>424066c510c54b</td>
<td>January 9, 2012</td>
<td>Owner Name</td>
</tr>
<tr>
<td>Keynote Speech for TEDxPSU.ppt</td>
<td>424066c510c54b</td>
<td>January 9, 2012</td>
<td>Owner Name</td>
</tr>
<tr>
<td>CORRESPID Default Fm.mobi</td>
<td>424066c510c54b</td>
<td>January 9, 2012</td>
<td>Owner Name</td>
</tr>
</tbody>
</table>
Upload File

Choose File(s):
Select a file to upload from your computer. Click the Add Files button to upload more than one file.

File input [Choose File] No file chosen

+ Add More Files

Describe File(s):
You may choose to assign metadata to the uploaded file(s) below. Click the Add Metadata button if you'd like to assign additional metadata information.

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Title</td>
<td></td>
</tr>
<tr>
<td>Creator</td>
<td>Michael Garto</td>
</tr>
<tr>
<td>Select Field</td>
<td></td>
</tr>
</tbody>
</table>

+ Add More Descriptors

Upload
Man with a Guitar

Actions
Cite This | Export to RefWorks | Export to Endnote | Email This | SMS This

Editor View | Run Audit Now | View Full Audit History

Object Details
ID: 80736
Date Published: January 11, 2012
Date Submitted: January 11, 2012
Type:
Last Audit: January 11, 2012
Size: 2077B

Metadata
Title: Man with a Guitar
Creator: Broucq, Georges

Subject:
Description:
Publisher:
Contributor:
Language: English
Rights: Creative Commons
Format: PDF
Collection(s): ARTsource

© 2011 The Pennsylvania State University
Repository Services Platform
Milestones Achieved

- Project Planning and project timelines
- Technical Staff
- Infrastructure
- Stakeholders
- Use Cases
- Proposed software features
- Preliminary designs Admin and Public interface
- Policy guidelines
Repository Services Platform
Expectations for Next 30–45 Days

- Application development and Infrastructure
- Screen Mockups
- Application demonstration
- User stories and acceptance criteria
- One week, on-site Technical Consultant
- Usability and accessibility testing
- Discovery Day
Recognizing some continuing needs & requests raised again in brainstorming sessions related to the repository

Based on progressing toward a program of services to begin to offer by Fall Semester 2012

Highlight 5 initiatives
Graduate Research Exhibition
- March 23–25, 2012 (performances Friday, posters & art on Sunday)
- All presenters may join the archive

Undergraduate Exhibition
- Wednesday, April 11, 9:30–2, HUB Robeson Center
- About 30 winners will be invited to have their posters archived by the Libraries

Next 30–45 Days
Collaborating with I–Tech to put them in CONTENTdm
Other ETD–like student work

- Engineering Science & Mechanics honors theses
- Rural Sociology masters papers
  (World Campus degrees)
- Next 30–45 Days
- Finalizing ingest and other processes
Various “Gray Literature”

- Requests for self-archiving and making available bibliographies, single PDFs, field notes, images, etc.
  - Many of these single items will likely fit in with the repository development and we’re still collecting use cases
  - Increasing interest from faculty & students in collaborative “portals” and are also investigating web development services for this type of request

- Next 30–45 Days
- Continuing investigations
Workflow for purchased, born-digital data sets

- Web form now created

Next 30–45 days:
- Ask Cataloging & Metadata (Acquisitions), I–Tech, DLT, and selectors to review before implementation
- Test run with purchase of data set
- Document process (see what worked, what didn’t work, and improve)
- Finalize workflow
- Spring/summer: promote workflow (brown bag session)
Both faculty & students coming to librarians with new & existing journal ideas

An initiative especially suitable for tiered services.

Next 30–45 Days

Getting ready to test OJS with existing Engineering faculty members’ journal

• Moving current journals from DPubS to another platform is part of the need here since we continue to get content from the publishers
Any Questions?
Other Areas of Interest

- DOT Activities
  - Migration of DPubS to journal publishing software application
  - New look (coming soon) to Digitized Collections portal page
  - Guidance on “Conditions of use” for digitized collections (March 2012)
Next Program Sigma Brown Bag

- March 27 at 12 noon, Mann Assembly
- Update on repository services platform
- Update on short-term projects
- Main focus: recent successes leading up to Sigma activities
  - ETD port
  - University curriculum update
- What would you like to hear about/discuss?
Information and Contacts

- Program Sigma Website
  - http://www.libraries.psu.edu/psul/scholar/projectsigma.html

- Listserv for Sigma Core Team members:
  - UL–SIGMA–CORE@lists.psu.edu