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Yale Library IT Staff

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Yale Library IT Newsletter

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Feedback Requested for Service Disruption Notification System

Over the last three months Library IT has piloted a **service disruption notification system** which has provided the YULIB list with fully automated disruption and restoration notification of critical public services. We would like to solicit feedback regarding the service to better gauge if it has been of value to the community.

Please take a minute and provide us with your feedback by completing [this short survey](#) by the close of business on **Friday, March 6th**. (ETA: this survey has closed)

If you have any questions or comments feel free to contact Ray Frohlich

(raymond.frohlich@yale.edu). For more information about the trial and the services currently

monitored [see here](#). For information about the underlying solution [see here](#).

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ArchivesSpace Passes SDR

Yale University Library is implementing an exciting new open source platform for describing and managing special collection materials called [ArchivesSpace](#).

Part of the implementation included working with Yale's Information Security department to complete a Security Design Review of the application and infrastructure. Working with John Lee from InfoSec is always a great experience. The SDR process, recently improved, is required for any new service or application brought up on the Yale network. It begins with a comprehensive questionnaire about the application, data, and users of the system. InfoSec runs a series of scans (Accunetix, Nessus, etc.) to suss out any vulnerabilities that could compromise the application and Yale network.

The reports detail the vulnerabilities and rank them as High, Med or Low risk. Application owners then work with InfoSec on remediation. Once all High and Med risks are resolved, and Low-level risks remedied or accepted as is, the application receives final security approval. The process is informative and keeps the Library in compliance with Yale security standards.

Hydra & DuraSpace: agreement for project services

Recent news from the Hydra community, sent by Tom Cramer, Chief Technology Strategist, Stanford University Library:

HydraNauts,

I am pleased to share the news that Hydra has officially entered an agreement for DuraSpace to provide banking, financial and marketing/communication services for 2015, to help support and advance the Hydra Project.

As we have seen some remarkable growth in the last two years, it has become increasingly apparent that a service provider could help meet the project's growing administrative needs, and help position it for even further expansion. After canvassing the landscape for potential host organizations, DuraSpace appeared as a natural fit for the project, given its overlapping membership, stewardship of other vibrant projects (in particular Fedora), and a shared vision about the future potential of Hydra.

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After discussion over several months on the Hydra Partners list and within Hydra Steering, a unanimous vote among the Partners ratified this direction last month. This marks a significant step forward for the Hydra Project in terms of maturity, and positions us well for growth in the coming years. One of the first tasks for us will be to launch a small, volunteer fundraising campaign for 2015; more on that anon!

On behalf of the Hydra Partners and Steering Group,

- Tom

Hydra Update: Spotlight Latest Version with Screen Casts and Updated Screen Shots

Spotlight is a Hydra head we are currently investigating as part of an Academic Repository project with Central ITS. Here's the one sentence pitch that defines Spotlight:

"Enable librarians, curators, and others who are responsible for digital collections to create attractive, feature-rich websites that highlight these collections." - taken from GitHub

Recent Communication to the Hydra Community:

While we are long overdue for a community update on Spotlight, the team at Stanford (Jessie Keck, Chris Beer and Gary Geisler) has been heads down working hard for the past several months. As we near an end of our current development cycle we wanted to report on current status and goals, and share a view visuals.

The current round of development is focused on three broad goals:

1. Building out an end-to-end, self-service workflow for creating a new Spotlight exhibit using items and collections in the Stanford Digital Repository. Because we have built Spotlight to be repository agnostic, the technical work to accomplish this goal is somewhat specific to Stanford's digital library architecture. The code developed for this does not ship as part of Spotlight.

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However, we hope that this can serve as an example and model for others to implement a repository-based self-service workflow for creating new exhibits. We intend to document the workflow we've implemented for reference.

A demo of this workflow is now available on YouTube at: <http://youtu.be/ZyJ2wzzzunc>

2. Enable the addition of items not stored in a formal repository system to a new or existing exhibit. We refer to this feature set as "support for non-repository items", although we likely want to re-label it. This set of features is intended to make Spotlight useful for those institutions that don't have a fully baked repository backend with which to integrate Spotlight, or for many good reasons may want to build exhibits from contents not stored in a repository. It also includes the ability to augment any exhibit with non-repository items, for example a faculty member or curators local collection of images. We have implemented two approaches:
 - **Single image upload:** Using a form an exhibit creator can upload a single image file from their local system and add a few simple metadata fields. If exhibit-specific fields have been created for the exhibit these fields will also be available in the form. Upon submission, the single image and associated metadata is added to items available for building feature pages, and is indexed and available in search results and browse categories.
 - **Bulk-add via CSV:** A CSV template is provided to the exhibit creator to populate with a list of image URLs and associated metadata. Upon submission of the CSV, the images are fetched over the web and copied, and indexed records are created for all items. The bulk feature is pulling images in via the web, so exhibit creators can upload images to popular cloud services (box, dropbox, google drive, google images, flickr, etc.) or add any URI to a publicly available image.

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This feature is nearly complete, and we'll send a video demo out in the next few days.

See: <https://github.com/sul-dlss/spotlight/issues/787> and <https://github.com/sul-dlss/spotlight/pull/842> and <https://github.com/sul-dlss/spotlight/pull/895>

3. Enhance the visual design and user experience to better support image-heavy exhibits.

The goal here has been to enhance the visual design to provide a more "museum-like" or visually oriented look and feel. Our design team has developed a proposal for a variety of new elements and widgets to produce a more visual, immersive and interactive experience. The developers are just starting to implement these now, and certainly your feedback is welcome. The initial design proposal can be seen here:

<https://github.com/sul-dlss/spotlight/wiki/Enhanced-Visual-Design>

Of course there are a variety of tickets and features that we have added and will be adding that fall somewhat outside the scope of these high-level goals. For example we have just recently added simple analytics for exhibits using the Google Analytics API - <https://github.com/sul-dlss/spotlight/pull/942> .

We anticipate 2-3 weeks more of development on Spotlight and the next release will also include improved documentation and a project site (at something like spotlight.github.io - not claimed or built yet).

We'll be back in touch soon with more frequent updates as we wind down this phase of development.

Stuart Snyderman

Associate Director for Digital Strategy

Stanford University Libraries

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Indiana University and Northwestern University Release Avalon 3.3

The National Endowment for the Humanities recently awarded the Indiana University Libraries and WGBH Boston a grant to support the development of **HydraDAM2**. This preservation-oriented digital asset management system for time-based media will improve upon WGBH's existing HydraDAM system and work seamlessly with the Avalon Media System for user access, among other features.

Both HydraDAM and the Avalon Media System grew from the Hydra community. Hydra is an open source technology framework that supports the creation of preservation and access applications for digital assets based on the Fedora repository system. A community of institutions known as the Hydra Partners works together to maintain the framework and create applications for local or shared use by libraries, archives, and cultural institutions. Both Indiana University and WGBH Boston are among the 25 Hydra Partner institutions. Indiana University is collaborating with Northwestern University on the development of the Avalon Media System and WGBH developed the original HydraDAM system with help from the Data Curation Experts group. [Complete article [here](#).]

HydraDam is based on the popular Hydra application **Sufia**. You can view some interesting examples of institutions using Sufia for digital preservation here:

Penn State: [ScholarSphere](#)

Notre Dame: [CurateND](#)

Case Western: [Digital Case](#)

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Royal Library Presents Chronos

The Royal Library (National Library of Denmark and Copenhagen University Library) recently released a new Hydra application named Chronos.

Details of the project can be found here: <http://www.kb.dk/en/nb/afdelinger/db/index.html>

The project spanned a little over two years during which the bulk of the work was in establishing policies for long term digital preservation and then setting a strategic plan based on the policies.

The work then segued into the cost models to support the newly developed policies and strategic plan. Using a shared set of principle and guidelines from Collaboration to Clarify the Cost of Curation (<http://www.4cproject.eu/>), they developed a sustainable cost model for long term preservation of their digital assets.

Once they had policies, strategies and costs established, they moved their work into a more detailed level and focused on the metadata requirements for preservation. The focus was on event data to be stored in PREMIS and structure data to be stored in METS. This led to much more detailed discussions related to the discovery of the digital assets for public discovery as well as metadata required for creating internal reports for performing tasks related to digital preservation.

Once this work was complete, they moved into the process of specifications for the system. They selected Hydra as the best approach for digitally preserving millions of documents. The planning process started in June 2014 and continued through the end of October 2014. This past December work begun on the new system and the week of March 16, 2015 they will release videos and additional information to the Hydra community.

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First Library Tech Talk Lightning Round

Today LIT did its first Tech Talk Lightning Round. In this format LIT staff give a very brief five minute update and then take ten minutes of questions and discussion. Feedback about this talk was very positive, and we hope to do another in April with the same format. Please send us suggestions for updates and project overviews you would like to hear about at the talk.

This time staff presented on

- Quicksearch beta
- Aeon
- Libguides 2.0
- EZproxy Pilot

For those of you who could not make the talk here are the [slides](#) and some very rough notes from the discussion.

Notes

[Quicksearch beta \(Kalee Sprague\)](#)

Milestones

- went live with public beta on Feb 6
- traveling information sessions to different departments
- draft bookmarks to hand out
- continuing new development - new features through fall 2015
- dynamic display of Morris statuses
- goal is to have stable release for fall 2015
- Quicksearch becomes prominent on the library's home page in January 2016. This does NOT mean Orbis is gone, just takes a step back in prominence.
- Demo'ed a search for justice resnik. Facets can be used to include or exclude material (using IS NOT). Is not functionality has been requested for years.

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QUESTIONS

MARC for eresources are loaded to Orbis/Morris - what deduping will there be in QS?

Will we cease loading e-records?

ANSWER from cataloging - we do coordinate with Law library on ebooks. After some discussion there was some agreement that all records should continue to be loaded in catalogs, we can dedupe at the point of ingest to Quicksearch. Noted also that occurrence of duplication between Law and SML is rare

Will search Articles+ be replaced?

ANSWER- we are focusing on making Articles+ work with QS beta now

When we will push to students?

ANSWER- It's public beta and some staff are teaching or showing QSBeta, but others are waiting until Fall 2015.

There was another comment that Articles+ is very helpful for some students, especially date limits, and it should continue to be prominent (not just in Quicksearch).

Finally, LIT staff are looking for feedback from RIO and other groups, please invite us to speak and demo!

Aeon (Melissa Wisner)

Overview of changes scheduled for Aeon, including the expanded use by the Lewis Walpole and Cushing/Whitney Medical Historical libraries. <http://aeonrouting.library.yale.edu>

- Aeon is expanding - patron registration now available at all YUL Special Collections Libraries
- Go to website, connect to link and be prompted to create account
- TOU agreement (privacy, id type, security)
- Staff approves request for access to materials
- Once the user is approved, she can now request from any collection!
- Showed Special Collections LibGuide
- All Yale community members need to self-initiate registration in Aeon

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QUESTIONS

Right now, a patron can't go to one interface to say they want items from multiple collections- is there an interest in simplifying that process?

ANSWER Routing from the different discovery places happens per item (because each special collection has its own Aeon instance) Unification for multi-collection requests might be further down the road.

It was noted problem requesting things by location/instance because you need to physically go to the location to view or pick up. YFAD does do cross collection search

Do you have to register twice?

ANSWER No just once!

We are interested in using same authentication for all services for people who are not Yale community members, I think Steelsen is working on that.

ANSWER: It would be nice to be able to manage patrons universally for the Library across services.

Michael Dula noted we are moving towards using Aeon as the way to manage non-Yale people's authentication.

Libguides V2 (Steve Wieda)

Overview of the project to upgrade to a new version of Libguides, the software behind library subject guides <http://guides.library.yale.edu>

- Implementation project going on now until summer
- New features - responsive design, professional look and feel, improved authoring interface
- Responsive design - mobile versions are automatically created.
- There is a more professional look right out of the box, without any customization.
- Huge improvement is spell check as you type!
- Timeline and milestones - LG2 implementation group meeting regularly
 - roadshows in March and April
 - training in June
 - roll out on July 31st

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QUESTIONS

Is there integration with online learning systems?

ANSWER: not so much, but tighter with other Springshare 2.0 products, still having links into Classesv2 via LTI

Andy S. - will migration take whats existing now and put into new guides? Will you need to do much cleanup?

ANSWER some box types are no longer supported so these may need some cleanup (TOC, feedback, etc). There will be doco for this before that time comes.

Is the migration only going to take published guides?

ANSWER published and unpublished both will migrate.

Will there be changes in A to Z list of databases (provided in Libguides)?

ANSWER: Permanent will be available, subject tagging and database content type tagging.

Will there be data about traffic through guides still available?

ANSWER Historic data needs to be downloaded before migration. Looking at new solution for getting data from guides - Libguides stats dashboard coming soon. Watch for an announcement coming later next week about training and a new dashboard for Libguides use data.

EZproxy Pilot (Ray Frohlich)

Preview of the upcoming pilot of EZproxy at Yale. EZproxy is a tool many schools use for providing access to restricted e-resources.

- We use VPN, which works for most, but not all, Yale patrons. It is a particular problem for the medical school and affiliated hospitals, and occasionally for some students and faculty abroad.
- Medical maintains a squid proxy, but they are phasing it out.
- VPN does not provide fine-grained access control to services. It is an all or nothing service. EZProxy can introduce more granular control.
- VPN may also not install correctly on some computers/mobile devices.
- Purpose of pilot is to test if these use cases can be solved by EZProxy.
- We are partnering with ITS on this as part of largerauthentication project.
- In phase one the test team will discuss roles of staff support, etc and will configure the EZproxy.

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QUESTIONS

How does this dovetail with ITS dual factor authentication?

ANSWER: ITS wants to roll out two step authorization for VPN and then CAS.
Outlook on web is Phase 2.

Does that mean better cell service in Bass?

ANSWER no idea!

Do you have lists of test users, or are you open to suggestions?

ANSWER we are open to suggestions/ideas for test cases. We are interested in user populations and testing different types of resources. Specifically let us know about resources that use exotic tech or may be problematic in other ways.

What does this mean, do you have to install it?

ANSWER no, we are looking at providing EZproxy access through plugin in browser that will employ EZproxy. Such plugins exist, but we would like to start a project with ITS to improve the plugin so that the user only turns the plugin on once and then links are automatically routed through EZproxy.

There are ebook databases that requires individual logins, despite VPN. They say to use EZ proxy to get around this. Should I send?

ANSWER Yes, sounds like it might be Books24x7, which is on the list to test.

Have you heard about EduRoam?

ANSWER will look into this

Other Information about EZproxy

It doesn't solve ALL of our offsite access problems. Look for a fall implementation. It was pointed out by several in the audience that new people come to some schools in the middle of the summer, particularly impacts medical and CSSSI. We need to be ready for the mid-summer turnover.

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More Hydra Ingest Statistics

More on the [Hydra ingest workflow](#) from Library IT and MSSA:

Enterprise Systems and Services in Library IT and MSSA staff also do preparation work on files prior to ingest into the Hydra digital repository.

ESS runs ingest and digital QC of files, and MSSA runs visual QC as well as sorting printed copies of Yale and LC call numbers.

So far we have collected **2,884,363 files** in **48,743 folders** and the files are currently stored on disk totaling **49 terabytes**.

Adobe Connect now available for virtual meetings

Earlier this year, Yale ITS acquired **Adobe Connect, a video conferencing service**. Over the fall 2014 semester, Library IT tested Adobe Connect with the equipment in several library conference rooms on campus (see blog announcements [here](#) and [here](#)).

We began this testing to ensure that library staff persons at every library location are able to **maintain their meeting schedules easily, regardless of their physical location**, particularly in advance of staff moving to 344 Winchester. We are pleased to announce that the testing was successful, and that Adobe Connect can be used effectively in these rooms for video conferencing.

Adobe Connect is supported centrally through Yale ITS; for help with Adobe Connect please visit [this page](#) or contact the central ITS Help Desk.

Get started by logging in to Adobe Connect using your **email address** and **NetId password**:

<http://greet.yale.edu>

Detailed instructions are [here](#).

HIGHLY RECOMMENDED: before using Adobe Connect for your virtual meeting, **please do a 10-minute test of the setup in the room you are using**. Contact [Jenn Nolte and Reon Keller](#) if you need help with the initial setup.

Always add 5-10 minutes for set up in advance of your virtual meeting!

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Adobe Connect Features:

- Audio and video
- Text Chat
- Screen sharing
- Layouts for different meeting types, plus additional layout customization
- File upload
- Polling
- Send invitations to a meeting in Outlook
- Meeting recording (turned off by default)

Conference/meeting rooms tested:

- Lewis Walpole
- Sterling 315, 332, 409 and 511
- BRBL conference rooms (check with Julie Dowe (julie.dowe@yale.edu))
- CSSI
- Medical
- Divinity

Required equipment in conference rooms for Adobe Connect to work:

- Video camera (most conference rooms will have [this](#), [contact Workstation Support](#) if you don't see this equipment)
- Monitor
- Microphone (built into the [above](#); [this](#) is also available for larger rooms - [contact Workstation Support](#) for details)
- Desktop computer

Please email Jenn Nolte (jennifer.nolte@yale.edu) and Reon Keller (reon.keller@yale.edu) if you have any questions!

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Update on Digital Collection Migration Initiative

In an effort to provide a unified interface for all Yale Library collections, Library IT has embarked on a wide scale project to migrate over sixty individual digital collections to a single Hydra / Fedora repository (findit.library.yale.edu).

The first collection that was successfully migrated is the [Drama School Collection](#), consisting of 850 posters and photographs highlighting over 80 years of theater performed at Yale.

Other collection that are expected to be available in the coming months include the Lewis – Walpole Library digital collection, Chinese Rare Books at Yale, Yale Silk Roads, China Christian Colleges and Universities Image Database, Yale Medical Library Bookplates collection and Birren Collection of Books on Color.

For questions about this project please contact George Ouellette (george.ouellette@yale.edu)

More Hydra News

The Hydra community has been very active this spring, and there has been a ton of news! To see even more news items from Library IT on the Hydra Project and its partners and participants, visit the Hydra section of our blog:

<http://libraryitnews.commons.yale.edu/category/hydra/>

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