YUL Technology Roadmap: Where are We, and Where are We Going?

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Library Information Technology at a Glance

- Workstation and Technology Services
- User Experience
- Enterprise Systems and Architecture
- Digital Library & Programming Services
- Project Management
Workstation & Technology Services

- Greg Blasko, Manager
- Reon Keller
- Frederick Rodriguez
- Jerzy Grabowski
About W&TS

- **Areas of Support**
  - Computer purchases
    - Purchase, installation, and maintenance of staff workstations and laptops
    - Standard desktop software + YUL applications
    - Network access and security (liaison with ITS)
  - Workstation Support (750+ workstations)
    - Function as primary point of contact for resolving incidents, service requests, and other IT support issues throughout the Library system
  - Consultation and Collaboration
    - Training and technical consultation with Library staff on desktop software use
    - Collaborate with other units within Library IT and ITS to provide new services and enhancements
W&TS Projects

- **ServiceNow**
  - Incident and service request tracking system for ITS and Library IT

- **Workstation Backup**
  - Analysis and reconfiguration yielded savings of $5600/month

- **Other Initiatives**
  - Workstation support needs analysis
  - SharePoint 2013
  - Windows XP upgrades
  - Office 2013 training and rollout
  - A/V enhancements
  - Network upgrades at SML and Walpole
- Katie Bauer, User Experience Librarian
- Kalee Sprague
- Meng Tang
- Jenn Nolte
- Open (Web Operations Manager)
User Experience Areas of Responsibility

Collections

Services and Staff

Web Interfaces
User Experience Projects

- **YUL Website, including migration to YaleSites**
  - “Responsive Design” – works on smartphones and tablets
- **Libguides**
  - Redesign and navigation
  - Integration into ClassesV2
- **Search and Discovery**
  - Summon
  - Blacklight
- **LIT Communications**
Ray Frohlich, Director

Melissa Wisner

Yue Ji

Steelsen Smith

Bob Rice

Steve DiSorbo
ES&A Areas of Responsibility

- Business analysis and project mgmt.
- Vendor management
- Enterprise Applications
  - Voyager and LSF systems
  - Atlas Systems (Aeon, Ares, ILLiad)
  - Serials Solutions Systems (Summon, 360 Suite)
- Enterprise infrastructure
  - 100+ physical and virtual servers
  - Storage and tape library systems
- Aeon, ILLiad and Ares upgrades and server migrations
- Serials Solutions Summon v2.0 upgrade
- Serials Solutions 360 Counter/Resource Manager implementation
- Fortunoff Archive Access project
- QC tool for Beinecke video project
- Hydra/Fedora infrastructure, including next-generation storage solution
- Mike Friscia, Manager
- Osman Din
- Eric James
- Lakeisha Robinson
- Anju Meenatuttoor
- Tracy MacMath (welcome!)
Digital Library Programming Areas of Responsibility

- Hydra/Fedora development
  - YUL projects
  - Fedora community contributor

- Blacklight discovery interface development (with User Experience group)

- Workflow and Quality Control tool development (with Enterprise Systems & Architecture)
Digital Library Programming Projects

- Hydra/Fedora custom development for Henry Kissinger Papers Project
- Kissinger Project QC tool
- “Findit” Blacklight interface for digital collections
- “QuickSearch” Blacklight development (with User Experience group)
- Ladybird digital collections cataloging tool development
- Fedora 4 development
- Assist with legacy digital collections migration
Project Management

- George Ouellette, Project Manager
  - Henry Kissinger Papers Project
  - Fortunoff Video Archive Project
  - Legacy digital collections migrations
A Few Projects in Depth...

- Hydra/Fedora
- Quicksearch
- EliScholar
About Hydra/Fedora

- Open-source project
- Multi-institutional and international
- Provides a platform for digital preservation and presentation
- Over 50 Fedora Members contributing financially; Yale is one of these
- Yale is also a Fedora development partner, and Mike Friscia serves on the Fedora Leadership Committee
Began in 2008 as collaboration between Stanford, UVA, Univ. of Hull, and Fedora Commons

YUL joined in 2013 as 18th member. Membership now up to 25—latest additions are Princeton, Cornell, Case Western

“If you want to go fast, go alone. If you want to go far, go together.”
Overview of Yale’s Hydra/Fedora

- **Hydra-Heads (future)**: Creating and managing objects
- **Fedora (Preservation)**
- **Blacklight**: Discovering and viewing objects
- **Solr (Index)**
- **Ladybird**: Yale’s Cataloging Tool
Pilot Hydra Projects at YUL

- 9 initial collections: http://findit.library.yale.edu
- Henry Kissinger Papers
- Migrations of about 80 legacy collections
- Research Data pilot with the Institution for Social and Policy Studies
The Findit Blacklight interface
Quicksearch

- Now in public beta, includes
  - Orbis Catalog
  - Morris Catalog
  - Articles+ (aka Summon)
  - QuickSearch (BlackLight)

- Future content
  - Hydra/Fedora collections
  - Library websites
  - Other Yale academic content
The Quicksearch interface
Institutional repository hosted by bepress

Content now includes:
- Library content: Nota Bene, Annual Reports, Yale University Catalog
- Electronic theses: Medical
- Conference proceedings: Day of Data
- Monographs: CEAS Occasional Publications
- Electronic Journals: Journal of Contemporary Archival Studies, Yale Journal of Music and Religion
- Faculty Pages
What Were Our Goals Last Year?

- Bring up Summon (Articles+)
- Bring up Hydra/Fedora infrastructure
- Begin migration of legacy digital collections into Hydra
- Public launch of EliScholar
- Bring up 360Link and other 360 Suite modules
- Integration of LibGuides with ClassesV2
- Sanborn Maps collection into Hydra
- QuickSearch
- Continue Web migration to YaleSites
- Continue custom development to support Kissinger Papers project
Some Quick Demonstrations...

- http://web.library.yale.edu/lit
- http://guides.library.yale.edu/home
- http://elischolar.library.yale.edu/
- http://web.library.yale.edu/digital-collections
- http://findit.library.yale.edu
- http://search.library.yale.edu/
Collaboration and Future Directions
Service and Collaboration – Yale

- Technology Initiatives Committee
- Technology Architecture Committee
- Technology Operating Committee
- Professional Schools-Plus Technology Roundtable
- Service Management Program Committee
- IT Service Management Community of Practice
- Research Data Consulting Advisory Team
- Google Analytics User Group
- Women in Technology
- Institutional Online Services Program Committee
- Identity and Access Management
Collaborations - External

- Digital Preservation Network
- Digital Public Library of America
- DuraSpace (Fedora)
- Fedora Leadership Committee
- Hydra Partnership
- Coalition for Networked Information
Possible Future Directions

- Additional Quicksearch content: BorrowDirect, EliScholar, etc.
- Curated Research Data
- Self-Archiving by Yale community
- Streaming A/V Support
- Online exhibitions
- Active Preservation tools
- Advanced Interfaces: GIS, Digital Humanities, Data Visualization
- Continuing community participation and collaboration
It took 300 years for the Yale Library catalogs to grow to around 10 million items. Just ONE large digital collection that we are currently working on will contain about 10 million items.
Questions?

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CTO