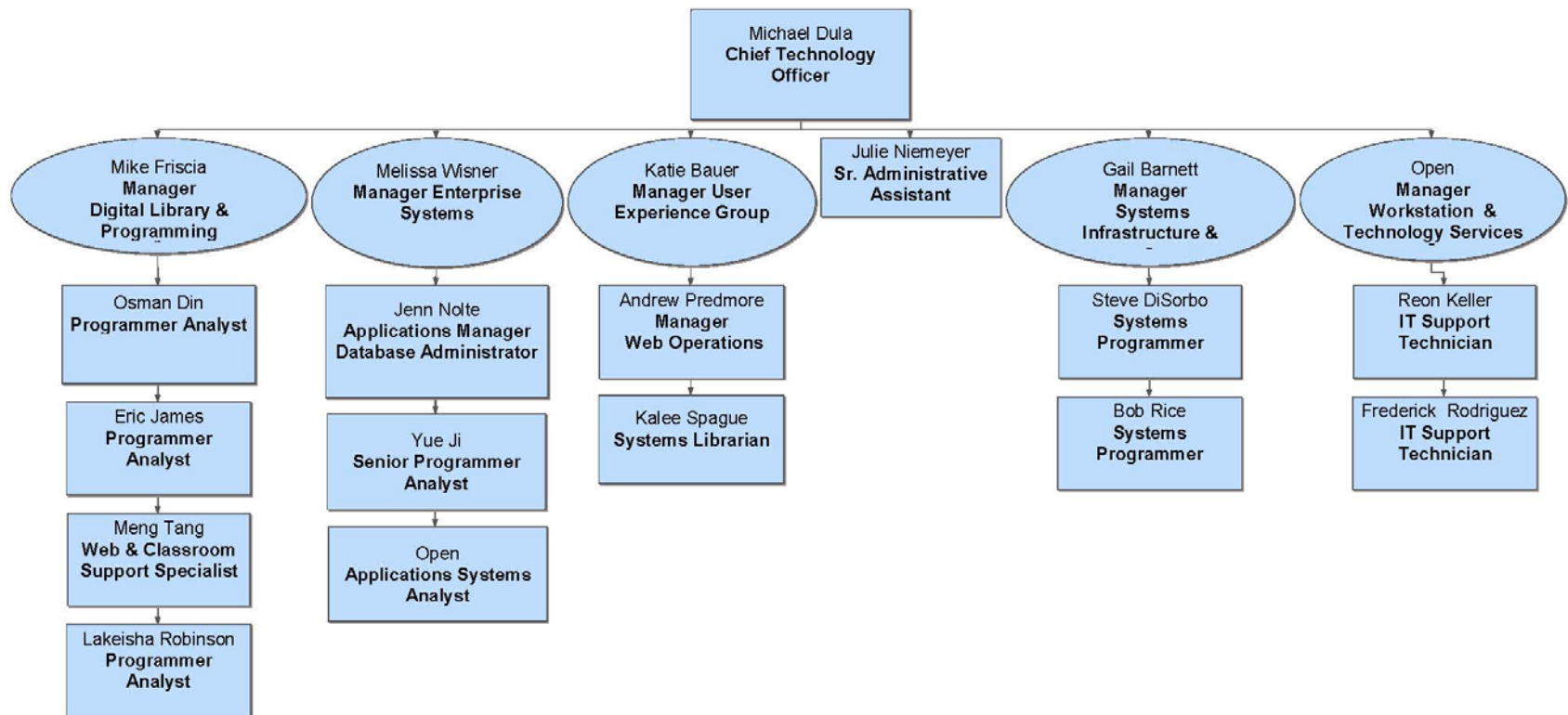# Information Technology Initiatives at Yale University Library

June 24, 2013

Michael Dula

Chief Technology Officer

Library IT org chart

Library IT

- **19** People

- **920** Workstations (plus a growing number of mobile devices)

- **856** Terabytes of storage (out of 1307 available)

- Servers

  - **4** V-Hosts (physical)

  - **59** Virtual Machines

  - **15** Windows Servers

  - **8** Sun Servers

- **8** Enterprise Systems

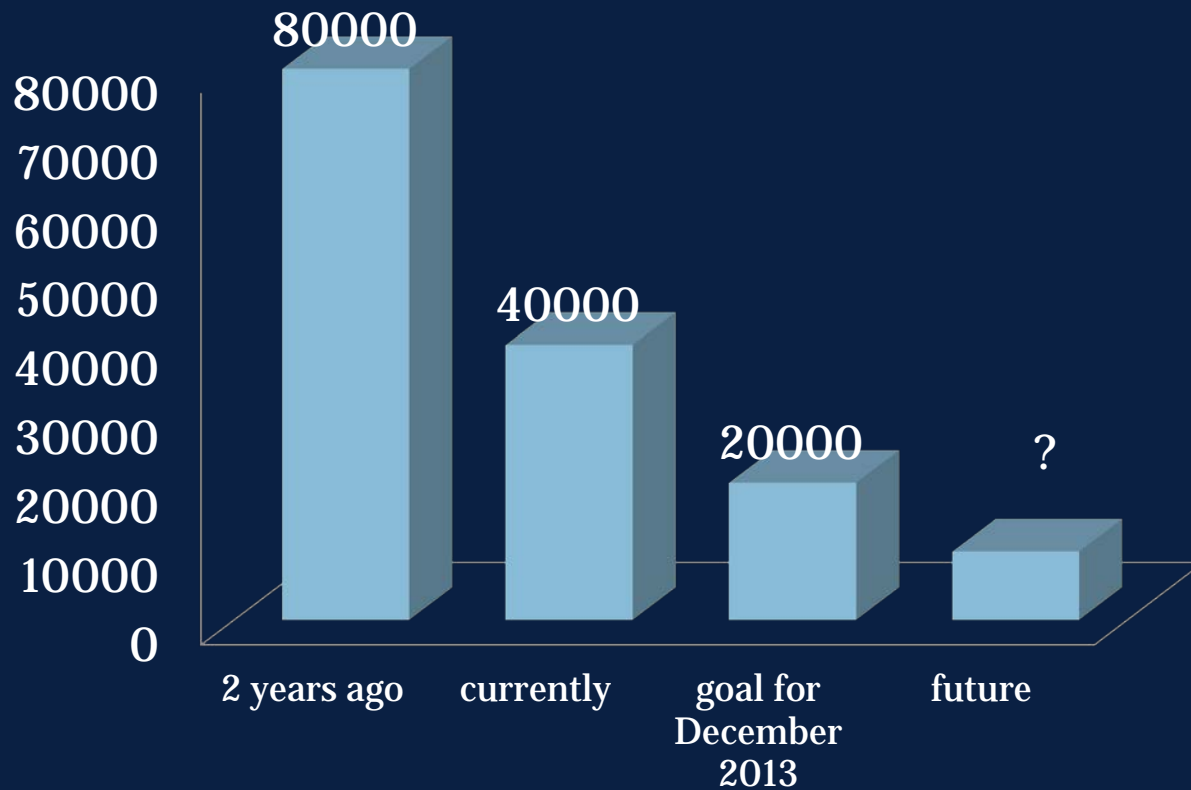- **300+** Custom Applications and Databases (approx.)

Library IT Projects - Overview

- Website redesign

- EliScholar Scholarly Publishing Platform

- Atlas Systems: Aeon and Ares

- SQL2012

- Voyager utilities and enhancements

- Identity Management

- The Hydra Project

- Discovery Implementation

Website redesign

- Deletion of out of date and unsupported webpages

- Less static and more dynamic webpage content

- Moving content to LibGuides, example GetIt@Yale

- Study room reservations via LibCal

Static Web Pages: library.yale.edu

EliScholar

Institutional repository hosted by Bepress for Yale Journals, conference proceedings and other publications.

Sampling of prospective materials:

- Drama MFA theses

- Nota Bene

- Medical theses

- Digital Himalaya site

- E-journals

- SelectedWorks portfolio pages

EliScholar - http://elischolar.library.yale.edu/

Atlas Systems: Aeon and Ares

- Ares will provide better e-reserve management

- Aeon has been implemented by BRBL and MSSA and provides improved special collection and archival management

- Aeon will roll out to other special collections in the year ahead

- New position to support Atlas Systems

SQL2012 (Example)

Requests over the Past 5 Days

Percent Completed in < 48hrs*

Total Finished Transactions	217
Completed in Less than 48hrs	156
Percentage	71.89%

Average Turnaround Time in Hrs.

Average Number of Hours to Completion since Receipt by Bass	22

Request Volume

Received — Finished

Date	Received	Finished
3/16/2013		6
3/17/2013		
3/18/2013	78	26
3/19/2013	34	86
3/20/2013	50	34

Current Requests

Number of Requests by Age

≤24hrs	25-48	49-72	≥73hrs
12	11	3	11

37 Outstanding Requests

Lending TN	Request Date	Received Date	Age (Placed)	Age (Received)	Transaction Status	Loc.	callnumber	Volume Title		Followup
696547	Mar 08	Mar 12	297	203	In Stacks Searching	smlsla	PN56.R3 A83X 2003 (LC)	Mimesis : the representation of reality in Western literature /	●	
697333	Mar 13	Mar 14	174	159	In Stacks Searching	sml	E814 .T85X 2008 (LC)	Immigration and the legacy of Harry S. Truman /	●	
697361	Mar 13	Mar 14	171	158	Awaiting Odyssey	smlv	D50 M40	Medieval archaeology	●	

Voyager Utilities and Enhancements

- Clean-up MARC records

- Red light, Green light

- Virtual review plaza

- Scan & Deliver

Voyager: virtual review plaza

Search By | Selector Name | Fund name

Select PO Received Dates

○ Recent Weeks   ○ Date Range

5 weeks

You searched for 5 week of
King,Lindsay;
Displaying 1-50 out of 156 results.

Select Selector

Dollar,Daniel
Dougherty,Robin
Emmet,Joan
Eow,Gregory
Grafe,Melissa
Hatheway,Holly
Heister,Carla
Kasten,Ulla
King,Lindsay
Krentz,Janice

Search
Excel
Email

Google Book	BIB ID	Title	Author	Publication Date	Publisher	Publication Place	Edition	Imprint	MFHD Location	Normalized Call NO	Display Call NO	ISBN	ISSN	Language	BIB Format
	11381308	William Shakespeare's Antony and Cleopatra /	Shakespeare, William, 1564-1616.	2012.	Oberon Books,	London, England :		London, England : Oberon Books, 2012.	dra	PR 2802 A 2 S 89 2012 (LC)	PR2802 A2 S89 2012 (LC)	9781849434065		eng	am
	11381318	Together again : a romantic comedy : with the magnificent help of William Shakespeare, Richard Sheridan, and George Bernard Shaw /	Sharkey, Thomas M.,				A Samuel French acting edition.		dra	PS 3569 H 34283 T 64 2012 (LC)	PS3569 H34283 T64 2012 (LC)	0573700117 (pbk.)		eng	am
	11367116	This house /	Graham, James, 1982-	2012.	London : Methuen Drama,	London :		London : Methuen Drama, 2012.	dra	PR 6107 R 3454 T 48 X 2012 (LC)	PR6107.R3454 T48X 2012 (LC)	9781408173114 (pbk.)		eng	am

Identity management

The University is working on a replacement for the many outmoded identity systems in use around campus. For YUL, this will mean a replacement for the current VPN system providing access to off campus users. For the Medical Library, we hope that this will replace their aging Squid proxy server. This will bring us in line with peer institutions who allow patrons to access library materials remotely with a single sign-on system.

Hydra Project - http://projecthydra.org/

In collaboration with Stanford, Columbia, the University of Virginia, and other partners, Yale Library has joined an effort to create a set of repository tools to control management, indexing, discovery, retrieval, and preservation of digital materials at all phases of an object's lifecycle. These tools are known collectively as the **Hydra** project. As of May 2013 we are one of the 18 official Hydra partners.

Discovery Implementation

Timeline

- Summer 2013
  - Summon implementation for e-resources
  - Blacklight implementation for new digital collections
  - Both interfaces live for fall semester
- Fall 2013
  - Integration of Summon with Blacklight
  - Additional digital collections brought into Blacklight
- 2014
  - Single Blacklight search interface for: e-resources, LibGuides, YUL website, Orbis, Morris, most legacy digital collections. Possible BorrowDirect integration.

Summon

Single discovery layer for searching licensed e-journals and some e-books with a simple search linked under Find Articles from the Library's home page.

Summon - http://yale.summon.serialssolutions.com/

Blacklight for Digital Collections

- Blacklight under development now
- Initial digital collections in Blacklight August 2013
  - Yale Indian Papers Project
  - Arcadia 4 Projects
- More collections added in 2014
  - Migration from CONTENTdm
  - Migration of older Fedora collections
  - Fortunoff
  - Kissinger
  - New Arcadia projects?
  - Others

Integrated Discovery

Blacklight with Voyager, Summon, Fedora collections, and website search

Some Common Threads...

Reducing Complexity

- Reducing number of systems and system components
    - Number of web pages
    - Virtual servers, fewer physical servers
    - Out of the box solutions, fewer custom solutions
    - Build only when the buy option is not available
    - Converging on broad solutions rather than multiple solutions across YUL
    - Using Central Yale resources where appropriate (e.g., Drupal)

Moving to the Cloud

- Yale-wide: Box.net, Basecamp, Office 365 (likely)

- SpringShare products (LibCal, LibGuides, LibAnalytics)

- EliScholar

- Summon (and the KnowledgeBase it uses)

- Aeon and Ares

- Next generation ILS?

- Storage?

Collaborations Internal and External

- Syndicating content responsibility across Library and across Yale—e.g., LibGuides, EliScholar, SQL2012
- Collaboration with external partners
  - BorrowDirect partnership
  - Digital Preservation Network
  - DuraSpace/Fedora Futures
  - Hydra Partnership

Questions?