



THE FUTURE OF THE INTEGRATED LIBRARY SYSTEM

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THE PRESENT

- ◎ ILS is Backbone of “Traditional” Library
 - ◎ OPAC
 - ◎ Circulation
 - ◎ Cataloging
 - ◎ Serials
 - ◎ Electronic Resources Management
 - ◎ Acquisitions
 - ◎ Reports



MILLENNIUM AT ODU

- ◎ Turn-key (Server on site purchased from and supported by III)
- ◎ Slow Implementations of Updates
- ◎ Some Add-ons (but not too many)
- ◎ Stable and Reliable
- ◎ Generally Positive Experience

MILLENNIUM SHORTCOMINGS

- ◎ First introduced in 1997
 - ◎ Some text-based backend
 - ◎ Outdated “clunky” interface
 - ◎ Limited compatibility with other systems
- ◎ Inaccessible Data
- ◎ Lack of Flexibility/Customizability
- ◎ Price

Marshall Breeding , “Innovative Interfaces to Launch Sierra: A New-Generation Automation Platform”



1997?!

- ◎ 1 in 3 households had computers; half had purchased in last year
- ◎ AOL begins unlimited service
- ◎ Worries about Y2K
- ◎ Memphis Libraries Website



WHY ARE LIBRARIES SO FAR BEHIND?

- ◎ Relatively small market with few resources
- ◎ Reliance on outdated and little used formats and standards
- ◎ Locked into proprietary systems

- ◎ We deserve better
- ◎ Times are changing



ILS HOT TOPICS

- ③ Open Source
- ③ Open Architecture and API's
- ③ Next Generation OPACS
- ③ Cloud Servers and Data Sharing
- ③ User Engagement

David Rapp, "The Future of the ILS" *Library Journal*



OPEN SOURCE

- ◎ What is Open Source?
 - ◎ Accessible source code
 - ◎ Community built
- ◎ “Free”
 - ◎ Free Speech
 - ◎ Free Beer
 - ◎ Free Puppy



OPEN SOURCE

- ③ Third Party Support
- ③ Maturity of system/features?
- ③ My personal ILS
- ③ NYU Health Sciences



OPEN ARCHITECTURE AND API'S

- ◎ Application Programming Interface
- ◎ Allow sharing, updating, and reformatting
 - ◎ WorldCat CiteMe on Facebook
 - ◎ ODU Feature Film Search
- ◎ Mashups
 - ◎ Book Flavor
 - ◎ Wikipedia Vision
 - ◎ Google Maps Examples

NEXT GENERATION OPAC

◎ The next generation is now?

Features	
Single point of entry	Recommendations and related materials
State-of-the-art Web interface	User contribution
Enriched content	RSS Feeds
Faceted navigation	“Did you mean...?”
Simple keyword search box	Relevancy



CLOUD SERVERS AND DATA SHARING

- ③ Saving data to remote servers rather than on site
- ③ Made viable by wide-spread, high speed internet access
- ③ Browser based interfaces
- ③ De-duplication of data, maintenance, and effort



USER ENGAGEMENT

- ③ Previous success and failures at user engagement
- ③ What is specific to university community?
- ③ Personalization and integration
- ③ Patron-driven acquisition



THE MAJOR COMPETITORS

- ◎ Various backgrounds
- ◎ Different combinations of “hot topics”
- ◎ Different stages of development



SIERRA: BEST OF BOTH WORLDS?

- ◎ Open source database and indexing components
- ◎ Open access to API's
- ◎ Full functionality of Millennium
- ◎ Non-modular application
- ◎ Local hosting or SaaS/Cloud

Marshall Breeding , [“Innovative Interfaces to Launch Sierra: A New-Generation Automation Platform”](#)



KOHA

- ◎ Most popular and mature Open Source ILS
- ◎ Support from LibLime or ByWater
- ◎ Popular in public libraries and many foreign countries; growing fast
- ◎ Academic libraries making switch report benefits but not loss of functionality

Ian Walls, (2011) "[Migrating from Innovative Interfaces' Millennium to Koha: The NYU Health Sciences Libraries' experiences](#)"

KUALI OLE

- ◎ Grant funded, community built
- ◎ By academic libraries, for academic libraries
- ◎ Focus on openness, interoperability, and flexibility
- ◎ Independent vendors for services and support
- ◎ Currently in “Implementation of Core Technologies” phase



OCLC WEB-SCALE MANAGEMENT (WMS)

- ◎ Emphasis on cloud computing, web interface, and resource sharing
- ◎ Built around WorldCat Platform; leverages its resources



SERIAL SOLUTIONS WEB SCALE MANAGEMENT

- ③ Electronic resource specialists
- ③ Wants to rebuild ILS “entirely from scratch”
- ③ Has generated buzz, but relatively few details



FROM HERE TO THERE

- ◎ Transitional phase
- ◎ Fierce competition between unprecedented number of rivals
- ◎ Time to watch, prepare
- ◎ Maintain flexibility
- ◎ Recognize stakeholders involved
- ◎ Reassess in when smoke clears (~5 years)

QUESTIONS

- ③ Questions?
- ③ Slides and information about me at: <http://jabaily.com>