A Community of Libraries

Detroit Area Library Network

Looking to the Future:
Emerging Library Systems

December 2013

www.dalnet.org

ILS Industry Overview

Library Services Platforms
(The New Library Systems)

What is a *Library Services Platform*?

- **Cloud Computing:** hosted technological infrastructure with no local installation, accessed via a Web browser

- **Consolidated Systems:** for management of all library services and resources

- **Single Search:** discovery catalog public interface

- **Combined Workflows:** including digital asset management

- **Focus on Fulfillment:** getting the resource to the user, patron driven

- **Shared Infrastructure and Data:** expanding cooperation and resources

- **Open Systems:** built on Service Oriented Architecture, Web Services, and APIs

- **Scalability**: for small, large, and groups

Library Services Platforms

- **ExLibris Alma**   *Available* *

- **Innovative Interfaces, Inc. (III), Sierra**   *Available* *

- **Kuali OLE (Open Library Environment)**   *Available* *

- **OCLC WorldShare**   *Available* *

- **SerialsSolutions Intota**   *In Development*

- **SirsiDynix BLUEcloud Suite**   *In Development*

*All Platforms, even if available, are continuing development.

ExLibris Alma

The Next-Generation Library Services Framework

Ex Libris Alma supports the entire suite of library operations—selection, acquisition, metadata management, digitization, and fulfillment—for the full spectrum of library materials, regardless of format or location.

Unified resource management: Alma supports the entire suite of library operations for print, electronic, and digital resources

Collaborative Metadata Management: Alma brings highquality, shared metadata into the resource management environment in a unique, hybrid model that balances global sharing with local needs

Smart Fulfillment: Alma provides fulfillment services to users in terms that are easy to understand, while using unified workflows and analytics capabilities to streamline and optimize fulfillment workflows

Optimized resources and data: Alma simplifies library workflows by using a unique automated business processes and shared data

Cloud-based service: Offered as a cloud service to increase the return on investment and reduce the total cost of ownership of the library's infrastructure, and to provide access to shared data and services

Intelligent collection development: Alma allows you to maximize your collection development budget with selection, acquisitions, and evaluation processes informed by usage information, cost per use, and the holdings of peer collections.

Ex Libris open platform: Using web-based, open interfaces, Alma can be integrated seamlessly with other systems including external campus systems, and libraries can develop adapters and plug-ins to meet their institutions' unique needs

ExLibris Alma Library Management Services / URM (Unified Resource Management)/Primo
http://www.exlibrisgroup.com/category/AlmaOverview
http://discoveralma.com/
http://www.exlibrisgroup.com/category/URM_ResourceCenter

Innovative Interfaces (III) Sierra/Encore
http://sierra.iii.com/
http://blog.sierra.iii.com/

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Kuali OLE
http://kuali.org/ole
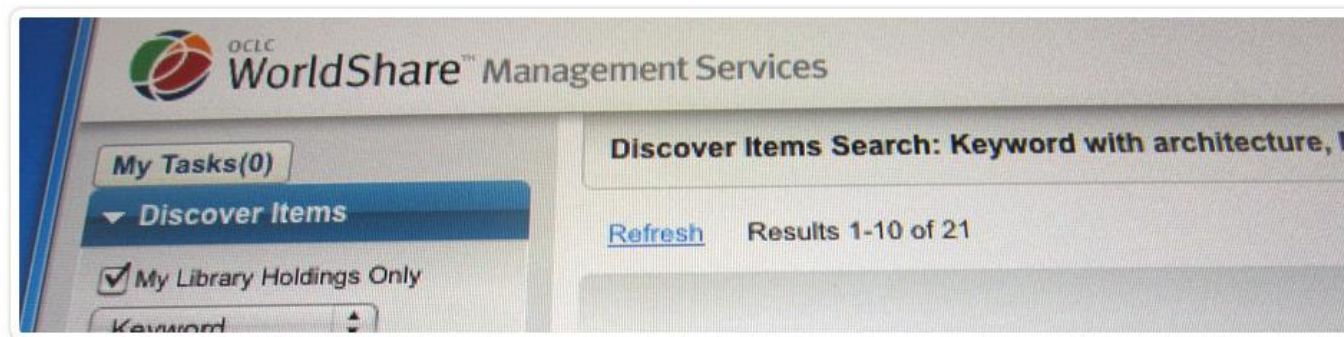http://kuali.org/ole/roadmap/

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OCLC WorldShare™ Management Services

The first cooperative management service for libraries

Creating a different future for library services

OCLC WorldShare Management Services provide a unified, Web-based environment that streamlines acquisitions, circulation, license management and metadata management workflows and offers a powerful discovery and delivery tool for library users.

Both replacing and standing apart from traditional ILS systems, OCLC's cloud-based library management services enable libraries to share infrastructure costs and resources as well as to collaborate in new ways.

Launched for general release in July 2011, more than 150 libraries are now actively using WorldShare Management Services, with more signing up every month. As more libraries subscribe, the benefits for each individual library are enhanced due to the cooperative nature of these services.

Request more information, including a demonstration

Download the brochure

OCLC WorldShare Management Services
http://www.oclc.org/worldshare-management-services.en.html
http://www.oclc.org/worldshare.en.html
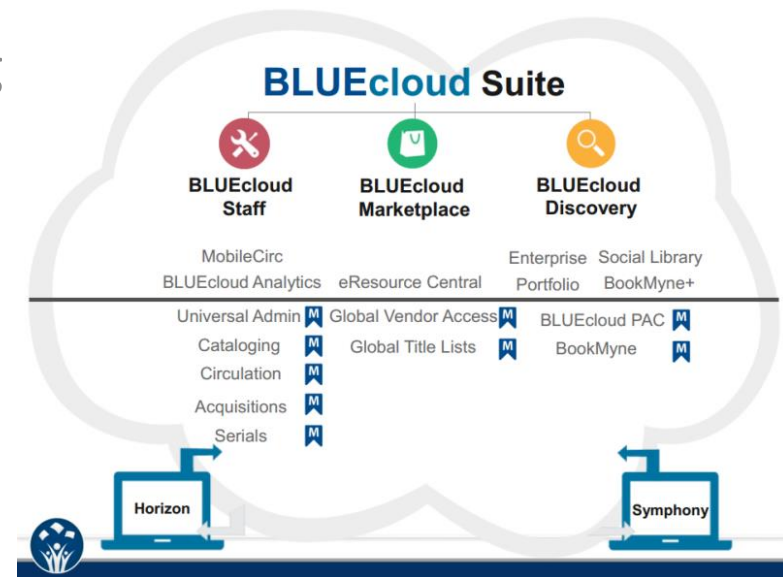
SerialsSolutions®
Intota™

i Intota™

- ➔ Unified, intelligent workflows enable staff members to easily manage all types of resources in a single, smart workflow

- ➔ Knowledgebase: A high-quality knowledgebase of authoritative metadata means you can work more efficiently at less cost for data acquisition

- ➔ Assessment allows you to see how resources are being used, as well as how a resource under consideration fits with the rest of your collections

- ➔ True interoperability means more current data and less duplicate data entry. Imagine support for real-time transfer of data from suppliers, student systems and from financial systems–less redundant batch jobs

A single, centrally provisioned solution that manages the entire resource lifecycle regardless of format

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BLUECLOUD SUITE
SirsiDynix®

- One public interface integrating print holdings and access for e-resources, with third-party discovery indexing (EBSCO)

- Electronic Resource Central management system

- All-new Web modules for staff interface

- Works off of Web Services for existing Horizon and Symphony databases

- Many parts included in current Horizon and Symphony maintenance contracts

SirsiDynix Blue Cloud and Electronic Resource Central
http://www.sirsidynix.com/bluecloud-suite
http://www.sirsidynix.com/eresourcecentral

BLUEcloud Suite

BLUEcloud Staff	BLUEcloud Marketplace	BLUEcloud Discovery
MobileCirc		Enterprise / Social Library
BLUEcloud Analytics	eResource Central	Portfolio / BookMyne+
Universal Admin	Global Vendor Access	BLUEcloud PAC
Cataloging	Global Title Lists	BookMyne
Circulation		
Acquisitions		
Serials		

Horizon   Symphony

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Emerging Library Service Platforms

- **Expansion of Available Systems** within the next few years

- **Integration of Resource Management** for both **print and electronic** resources in staff interfaces

- **Discovery Public Interfaces** that integrate **print and electronic** resources in a single search to increase

- **New Library Standards and Non-Library Standards** integrated for open systems and linked data

Web Services and APIs

- **Open Systems:** allowing for interoperability, or for one system to work with another, making data portable.

- **Web Services:** services allowing two systems to talk over the Internet, i.e. enabling information to be retrieved from a library system and displayed on a webpage or in a catalog.

- **API (Applications Programming Interface)**: a system to define how information should be retrieved and exchanged between systems using **Web Services**. Also the packaged or written functions used to retrieve information from Web Services.

A New Bibliographic Format

- **Employing Non-Library Standards** relevant to the Internet; an open storage format.

- **A Holder of Content**, or metadata; not the standard for creating bibliographic description, such as RDA.

- To enable **Linked Data**, or data described in a format that allows other systems on the Internet to use the data

- To be part of the **Semantic Web**, which is a non-library defined format for description of web pages for sharing of data

- **Creating a Presence** in the web of information available on the Internet to survive as data organizations in the future.

Discovery Layer Interfaces
(Single Search Catalogs)

Components of Discovery Interfaces

- **Single Search** via compiled indexing, for integrated search of **Print and Electronic Resources**, and institutional repositories.

- **Article Level** full-text searching of from databases.

- **Link Resolver** built in, or working in conjunction with.

- **Authentication Services** built in, or working in conjunction with.

- **Additional Cost** for this software. Discovery interface costs may be bundled within the offerings of library automation platforms.

- **Next-Generation OPAC** design.

Next-Generation OPAC Features

- **Relevancy Ranking**

- **Faceted Searching**

- **Spell Checking and Search Suggestions**

- **Tagging**

- **Ratings and Reviews**

- **RSS Feeds**

- **SMS (text-messaging)**

- **Enriched Content**

Discovery Layer Interfaces

- **EBSCO Discovery Service**

- **ExLibris Primo**

- **Innovative Interfaces, Inc. (III) Encore**

- **OCLC WorldCat Local**

- **SerialsSolutions Summons**

- **SirsiDynix Enterprise/Portfolio**

- **VuFind**

Refine Results

Limit To

☐ Full Text
☐ Peer Reviewed
☐ Library Catalog Only

| 1486 | Publication Date | 2014 |

Show More
Options set

Source Types

☑ All Results
☐ News (26,084)
☐ Academic Journals (17,262)
☐ Magazines (6,476)
☐ Trade Publications (3,033)
☐ Reviews (1,614)

Show More

Subject Headings >
Name of Publication >
Geographical Location >
Library Location >
Language >
Database Providers >

http://www.ebscohost.com/discovery/

•Full-text searching at the article level; additional fees for institutional repositories

•Integration with print resources

•Oakland Community College implementation at: https://www.oaklandcc.edu/Library/

Relevance ▾   Page Options ▾   »

Related Images ▸

Related Videos ▸

Ask A Librarian ▾

Research Help Now

Your Question/Message
Your email will be requested after you send a question.

Send

Chat Available

Refine My Results

Availability

Full Text Online (2,322)
Available in Library (3,087)

Resource Type

Books (3,897)
Images (4)
Journals (58)

Subject

United States (393)
Great Britain (174)
New York (N.Y.) (49)
Women (46)

Author/Creator

Barber, J (29)
Adams, J (24)

Language

Arabic (2)
Chinese (3)
English (4,052)

Genre

Electronic books (2,066)
Early works to 1800 (196)
Biography (176)

Publication Date

Before 1956 (3,051)

ExLibris Primo

http://www.exlibrisgroup.com/category/PrimoOverview

• Platform/ILS independent, as with most discovery systems

• Includes some full-text searching, e-resource management, and a shared knowledge base

• New York University Libraries implementation at:
http://www.bobcat.nyu.edu/

Send/Share

Push to EasyBib
Download as RIS
Download as BibTeX
Push to RefWorks
Push to EndNote Web
Email

See also

Find in other libraries
from OCLC Worldcat.org

Refine by:

▼ Availability
At the library (114)
Online (15)

▼ Search Found In
Title (98)
Subject (79)
Community Tag (16)

▼ Format
Books (61)
DVD/Videos (17)
eBooks/eAudio Books (15)
  ✚ more

▼ Location
Brownell Middle School (15)
Central Public (72)
Defer Elem School (11)
  ✚ more

▼ Language
English (117)
Spanish (16)
French (5)
  ✚ more

▼ Publish Date
2013 (7)
2012 (17)
2011 (15)
  ✚ more

▼ Place
England (51)
United States (2)
California (1)
  ✚ more

encore

http://encoreforlibraries.com

- Another early entry in the next-generation interfaces; from III

- Coupled with Pathfinder Pro, and Research Pro services, including article search results

- Grosse Pointe Public Library implementation at:

http://grosp-mt.iii.com/iii/encore/

Other Sources:

MeL
Show 1529 ↗

Refine by Tag:

childrens audiobooks   **england**   english authors   fantasy
fantasy films   feature films   **harry potter**
hermione granger   **hogwarts school of**
witchcraft and wizardry   j k rowling
magic   ron weasley   **schools**   video games
video recordings for the hearing impaired   **wizards**
[Show more tags]

Recently Added:

People looking for this, may want these recent additions:
- Harry Potter and the chamber of secrets (Blu-ray) [videorecording] / Warner Bros. Pictures pres
- Harry Potter and the sorcerer's stone (Blu-ray) [videorecording] / Warner Bros. Pictures presen
- The cuckoo's calling [CD sound recording] / Robert Galbraith.

Articles and more:

🔍 Get more results:
  ◆ World Cat
  ◆ General Business File ASAP
  ◆ Health and Wellness Resouce Center
  ◆ Expanded Academic ASAP
  ◆ InfoTrac OneFile
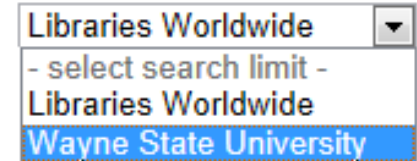 ▶
  [More Resources]

Format

☑ All Formats (3,201)
☐ Book (1906)
☐ Article (512)
☐ Video (273)
Show more ...

Refine Your Search

Author
Frida Kahlo (317)
Hayden Herrera (65)
Diego Rivera (26)
Show more ...

Year
2008 (192)
2007 (197)
2005 (218)
Show more ...

Language
English (1435)
Spanish (599)
German (258)
Show more ...

Content
Biography (537)
Fiction (131)
Non-Fiction (3070)

Audience
Juvenile (148)
Non-Juvenile (3053)

Topic
Art & Architecture (959)
Language, Linguis... (182)
History & Auxilia... (106)
Show more ...

OCLC   **WorldCat® Local**

vww.oclc.org/worldcat-local.en.html

Libraries Worldwide ▼
- select search limit -
Libraries Worldwide
Wayne State University

•Part of OCLC's "WorldShare" platform

•Pulls in circulation data from your local system

•Includes cover images, reviews, tagging, and more

•Free Quick Start limited version of product:
http://www.oclc.org/worldcat-local/quickstart.en.html

•Check out WSU's version of the free implementation at:
http://wild.worldcat.org/

SerialsSolutions®

Summon™
Web Scale Discovery

http://www.serialssolutions.com/en/services/summon/

Refine your search

▼ **Content Type**
- ☑ Any
- ☐ Book / eBook (104,820)
- ☐ Newspaper Article (29,945)
- ☐ Journal Article (17,006)
- ☐ Government Document (10,402)
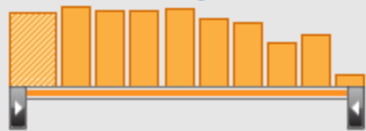- ☐ Dissertation/Thesis (755)
- ☐ Book Review (410)
  more...

▼ **Subject Terms**
- ☑ Any
- ☐ history (16,347)
- ☐ united states (15,322)
- ☐ biography (5,508)
- ☐ history and criticism (4,692)
- ☐ bibliography (3,539)
- ☐ politics and government (2,777)
  more...

▼ **Publication Date**
Any

•Full-text searching at the article level

•Integration with print resources

•WMU implementation at:
http://wmich.summon.serialssolutions.com

Relevance

Frida Kahlo
online
by Phyllis Tuchman
Smithsonian, ISSN 0037-7333, 11/2002
In Nov 2002, the movie "**Frida**"
husband, renowned muralist Diego
Journal Article: Full Text Online

pizza   Search

Select an item from the list:
Pizza
Pizza delivery
Pizza Hut
Mystic **Pizza**
Pizza Pizza

Pizza
Pizza is the name of an oven-baked, flat,
usually round bread covered with tomato
sauce and cheese with other toppings
optional. ...
Dish, Cuisine

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SirsiDynix Enterprise™

SirsiDynix® PORTFOLIO

Search Results | Databases

Limit Search Results

Format | Include | Exclude

☐ Books (39)
☐ Electronic Resources (2)
☐ Computer file (1)

Publication Date | Include | Exclude

☐ 1890-1972
☐ 1974-1982
☐ 1983-1994
☐ 1995-2002
☐ 2003-2012

Author | Include | Exclude

☐ Boese, Teresa A. (2)
☐ Central States Anthro... (2)
☐ Hagiwara, Michio P. (2)
☐ Marshall, Donald Sta... (2)
☐ Pearson Education, Inc. (2)
   More
   Expand All

Subject | Include | Exclude

☐ Variation (Biology) (4)
☐ English language -- V... (3)
☐ Evolution (3)
☐ Americanisms (2)
☐ Clinical competence -... (2)
   More
   Expand All

Language | Include | Exclude

☐ English (41)
☐ Chinese (1)
☐ French (1)

http://www.sirsidynix.com/enterprise

http://www.sirsidynix.com/portfolio

- Possible to use as a website replacement for the library, with "Rooms" product built in

- Can include catalog, other resources, and database searching

Magazine Articles

☐ Select an Action ▼

- WCCCD implementation at:
http://discover.dalnet.org/wcccd

cat stevensz | **Search**

☷ ▦ cpo iris

☐ Select an Action ▼

28 results found

Did You Mean: cat stevens

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Refine Search

COLLECTION ▲

Main Stacks	14
Internet	11
VHS Collection	2

FORMAT ▲

Book	24
Online	11
Conference Proceeding	2
VHS	2
Video	2

YEAR OF PUBLICATION ▲

From:　　　　To:

[Set]

Top "Articles & more" results

Cat Stevens At Billboard by Carla Hay

ALBUMS: Cat Stevens

Cat Stevens quits pop by Anonymous

More Summon results...

http://vufind.org

•One of the original / lasting open source discovery platforms

•OAI index harvesting; independent from ILS

•Original Villanova University implementation at: https://library.villanova.edu/Find/Search/Home

Similar Items

📄 Design in nature : learning from trees /
By: Mattheck, C. 1947-
Published: (1998)

📘 Data book on mechanical properties of living cells, tissues, and organs /
Published: (1996)

📑 Introduction to continuum biomechanics
By: Athanasiou, K. A.
Published: (2008)

📄 Newton rules biology : a physical approach to biological problems /
By: Pennycuick, C. J.
Published: (1992)

📑 Biomechanics and modeling in mechanobiology
Published: (2002)

What Have We Noted So Far?

- **System Needs are changing**: Traditional Integrated Library Systems (ILS) were not intended to incorporate both Print and Electronic resources for the public and staff interfaces.

- **There is a cost for new systems**: Library Services Platforms and Discovery Interfaces both will cost more than a traditional ILS and OPAC (catalog) and will have separate setup for each member participating in a consortium.

- **Staffing Needs are changing**: Adoption of new systems using Web Services, APIs, and emerging technology standards will greatly strengthen the need for Web Developer or related positions in libraries.

Strategic Thoughts

- What necessitates adoption of new systems?

  1. Staff Interfaces incorporating all resources and new efficiencies
  2. A Discovery Interface for print and electronic resources
  3. All of the above and more

- What implications do expanded systems have in light of limitations on expanding expenditures?

- What implications do expanded systems have for realignment of systems and staff resources?

How will the strategic decisions made be communicated to library constituents?

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References

There are no particular references for this presentation other than any hyperlinks provided.

For more information on the ILS Industry, companies, and products see the Library Technology Guides web site at:

http://www.librarytechnology.org

For links to various discovery layer interfaces visit the online list provided by LTG at:

http://www.librarytechnology.org/discovery.pl