Redefining Library Technology with Community and Modularity

Ron Burns | Vice President, Global Software Services
60+ ILS partnerships

Koha and OLE

Open source and commercial ILS with choice

SUPPORTING ILS

open source & ILS partnerships
EBSCO donations funding Koha enhancements

• 2015
  – ElasticSearch
  – Facets, Browse, Flexible metadata
  – Patron APIs

• 2016
  – Acquisitions API
  – Interoperability with CORAL ERM
  – Plugin for Italy SBN
CHANGE
In libraries

Emerging Requirements

Changing Collections and Spaces

Evolving User Needs
ANTIQUE Fixture

Commercial LSPs that are all-in-one systems. Next-gen?

- Discovery
- Circulation
- Acquisitions / Serials
- Cataloging
- E-Resource Mgt / Reporting
CONSOLIDATION
In library automation

Vendor Consolidation

Fewer ILS Options

Higher Costs

Monolithic Systems
How do we connect to local, new or emerging services?
Technology decisions reflect library values

Needs of your library may differ from other

How do we serve our users?

Stuff you WANT

Cordoba, Argentina. Photo by Jenny Carden - http://beforeidie.cc/site/about/
MODERN

Extensible

NEW FUNCTIONS

TRADITIONAL FUNCTIONS

DISCOVERY  CIRCULATION
ACQUISITIONS / SERIALS
CATALOGING
E-RESOURCE MGT / REPORTING

NEW FUNCTIONS

FOLIO | EBSCO
Open ecosystems drive innovation

200+ open source projects in libraries (foss4lib.org)

Ideal… an open platform flexible enough to unite all library apps?
OPEN SOURCE LSP
A new collaboration supported by EBSCO
EBSCO Supports New Open Source Project
Software for academic libraries will be developed collaboratively
By Marshall Breeding | April 22, 2016

Conversations with library thought leaders have begun
Community input & governance
Apache 2 License
Non-Profit “Open Library Foundation”
Open source

Innovation
Open conversation
Library participation

Commercially backed

Velocity, speed to market

Donation, Investment

Dramatically lower cost for libraries
• OLE
• Libraries
• Index Data
• Industry partners
• EBSCO

COMMUNITY

Of peers

Openness, Sustainability, Transparency

Maximum library participation, adoption, contribution
## Everyone Plays a Role

<table>
<thead>
<tr>
<th>OLE (University of Chicago, Duke, Cornell, GBV, etc) &amp; Other Libraries</th>
<th>Index Data (Denmark-based library open source software experts)</th>
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<tr>
<td>Guidance</td>
<td>Solution architecture</td>
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<tr>
<td>Community building</td>
<td>Software development</td>
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<tr>
<td>Forum facilitation</td>
<td>Platform and apps</td>
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<td>Community outreach</td>
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All resources
Cloud multi-tenant
Microservices
Linked data
Several data storage technologies (e.g. SQL, doc store Key/value, Indexer, Linked Data, Logger, Tenant configuration) and Message Bus managed communication and separation between tenants and apps. Apps can be written in any program language. User Interface React JavaScript toolkit, use default or create new + VuFind, Blacklight, EDS UI. Open Library Platform.
Open Library Platform

Any data

Circ, patron, ...

Bibliographic

Microservices

Any programming language

Central KB

Etc.

Etc.
Applications
Resource mgt
Circulation
Acquisitions

Microservices
Select apps/modules can be hosted via scaling container technology (e.g. Docker)
New architecture
Apps
Marketplace
Open source (or commercial)

MODULAR
and extensible
Deconstructed
You are in control
Many vendors
Dev. community

Like a SmartPhone

MODULAR
APPLICATIONS

No longer a single suite

Build on exiting apps

Build or get new apps

EXTEND INTO NEW AREAS
BASE APPLICATIONS

- Acquisitions
- Cataloging
- Circulation
- Data Conversion Tools
- Knowledgebase
- OPAC Functionality
- Resource Sharing
- Serials Check-In
- Union Catalog
Authority Control
Content Management Systems
Data Mining
Grant Management
Institutional Repositories
Learning Management Systems
Linked Data Triplestore
Research Data
Predictive Analytics

EXTENSIBLE
Extend into new areas
EXTEND

To data and systems
No longer a single suite
Applications

Platform

HTTP

Tenant Manager
Registry

New Koha APIs

Circulation, etc

Where will Koha fit in?
The community can decide
Implementation, Hosting, Support Services, Training
EBSCO, Consortia, & others

SUPPORT
one point of contact
JOIN US!

Strategists
Practitioners
Developers
the future of libraries is OPEN

I'd like to be a part of the community for the next generation open source library platform.

Full Name
Institution
Country
Email Address *

* Required Field

JOIN THE COMMUNITY

https://www.futureisopen.org
THANK YOU!
QUESTIONS?

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