Test af Koha og Kuali OLE

Undersøgelse af mulighederne for anvendelse af open source Integrated Library Systems (ILS) i universitetsbiblioteket

Overordnet projektbeskrivelse

Systemlandskabet for materialer håndteret i klassiske bibliotekssystemer (Integrated Library Systems - ILS) er i forandring. Inden-for det seneste årti er der dukket flere Open Source baserede løsninger frem.

Nogle biblioteker har højt tempo i disse forandringer og andre lidt lavere - men forandringerne er drevet af ændrede behov hos brugerne, øget digitalt indhold og nye ønsker til integration i andre løsninger (typisk integrated search o.lign.)

I denne forandrede virkelighed er systembehovene helt anderledes og meget mindre. Det er blevet realistisk, at små åbne systemer til egen lokal drift (eller hosting hos mindre organisationer) for nogle biblioteker kan være - eller vil blive - en rentabel måde at løfte bibliotekets systemunderstøttelse af trykte materialer på.

Dette DEFF finansierede projekt har til formål, at to biblioteker (med lidt afvigende profil) gennemfører test af konkrete Open Source baserede ILS systemer, formidler resultaterne til FFU-bibliotekerne og deres interessenter, og herved bidrager til en nuancering af beslutningsprocesserne i de kommende år omkring ILS i det danske bibliotekslandskab.

Konkret tester dette DEFF-projekt to Open Source bibliotekssystemer: Kuali OLE og Koha.

Testen tager form som virkelighedstro prototype tests, hvor der til de deltagende biblioteker indrettes så virkelighedstro og live prototyper som muligt, som derefter funktionstestes og evalueres.

De to deltagende biblioteker

SDUB: Symphony/SirsiDynix - ILS in current development, OPAC, API and web services, close relations, active user community. Administration and local development is done by system librarians. No technical staff at the library. Servers are maintained by IT-service SDU.
Summon/Proquest: Local setup by library staff and system librarian.

DTU Library: Aleph/ ExLibris. DTU Findit user interface developed in Ruby on Rails (via Project Blacklight.org), by local DTU system librarians and programers. Aleph is hosted at The Royal Library.
DTU Findit is run on local servers maintained by DTU Library.

koha LIBRARY SYSTEM

What is Koha?

IntegratedLibrarySystem

Opensource

Core modules:

Acquisition
Cataloging
Circulation
Patrons
Reports
Serials

Diverse international community

Different languages, cultures, timezones

Libraries of all types and sizes

Transparency Not only open source, but also open discussion and decision making

Directed by libraries in the community

Online

IRC Chat #koha
Mailing lists
Newsletter
Twitter #kohails
Blogs

In Person

KohaCon
Koha Hackfests
Koha User Groups
Other regional events

Crowdfunding

”There seems to be general agreement that by now, Koha could do with some big, boring improvements. There is also agreement that no library will probably ever be crazy enough to fund something like this.” ~ Koha wiki

kohacon15 Ibadan, Nigeria
OPEN SOURCE INTEGRATED LIBRARY SYSTEM October 19 - 21

Technical components

Code base in Perl, also with some Javascript, JQuery, XSLT etc.

SQL database (MySQL preferred but others like MariaDBalso work)

Cataloging data stored in Marc21-format

Zebra as the (indexing) search engine; support for Elastic Search in development

http://koha-community.org/

Kuali®
Live since August 2014 OLE

”Next Generation System“?

Web- and cloud-based concept

Modular design

Open APIs

Integration on enterprise level

Back end system: acquisitions, cataloguing, circulation

Integrated management for electronic resources (ERM)

Front end integration of discovery services, e.g. VuFind, DigiBib, EDS (EBSCO)

Functional Concept

4 connected modules

Missing functionality can be developed and added at any time

Open code and technical architecture

Based on Kuali enterprise architecture

Technical components

Hardware: Kuali OLE can be built on both windows and linux platforms.

Building application: Maven 3, Java 7, svn client

R**unning application:** Apache tomcat 6/7, MySQL 5.5 or greater, or Oracle 11g

http://www.kuali.org/

Kuali Foundation

Develop and maintain open source administrative software for higher education

Non-profit 501(c)3 organization

Community organization

Membership fees

Providing the infrastructure for the development of open source software for higher education

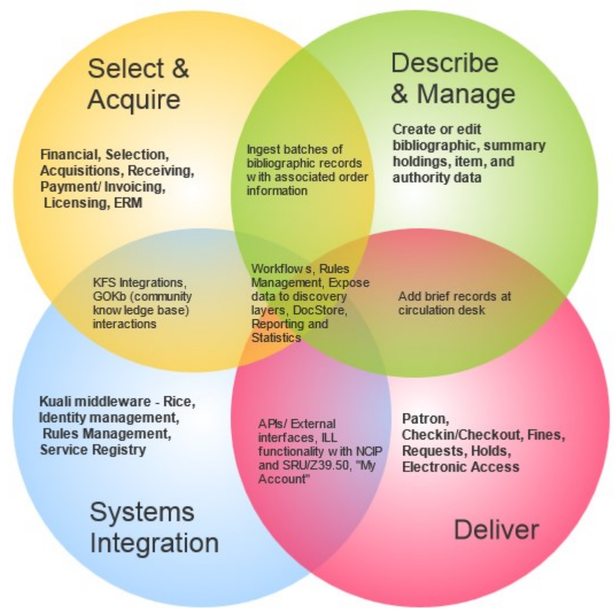
Partner of the OLE project

Human resources (e.g. 1 FTE for project management)

Membership in Functional and Technical Council

Membership in SME (special matter expert) groups

OLE project partner fee depends on the institution‘s budget per year



Internationale erfaringer

Commercial ILS providers seem unwilling to sell exactly what some libraries want. When they fail to understand and respect special needs, libraries look to open source solutions. In Germany, Sweden and United Kingdom outdated or dissatisfactory ILS have inspired some libraries to develop locally and become master in their own libraries.

Sponsored by DEFF a two-day Master Class was held in August wiht speakers from Libraries (SOAS, UK at Kuali OLE; SUB, Sweden planning for Koha) and solution providers (BSZ-SWB, Germany 19 libraries at Koha; hbz-VZG, Germany planning for Kuali OLE). Paritcipants from most Danish Research Libraries participated int the Master Class.

Hvad er så resultaterne?

Kom til Workshop 16. december på SDUB i Odense

Læs mere på: www.sdu.dk/Bibliotek/Aktiviteter/ILS

DEFF Danmarks Elektroniske Fag- og Forskningsbibliotek