Open Source

An Overview of Software for Libraries

What is Open Source?

- Open source describes a broad general type of software license that makes source code available to the general public with relaxed or non-existent copyright restrictions.

What is Open Source?

- So what does that mean?
- "…software that is collectively developed by a community of technologists with an interest in a particular application or tool and then distributed at no cost to the broader community of individuals who can find a use for it…"

From open stacks to open source Joe Lucia, Villanova University, February 5, 2008 http://pln.palinet.org/wiki/index.php/From_open_stacks_to_open_source

What is Open Source? Really?

- Free to use
- Free to change
- Free to distribute
- An alternative to commercial software
- More info at:

http://pln.palinet.org/wiki/index.php/Why_look_at_open_source_now%3F#What_is_meant_by_open_source

Open Source Alternatives to Microsoft Office

- Open Office (Windows, Linux)

  http://www.openoffice.org/

- Neo Office (Mac)

  http://www.neooffice.org/

Open Office

Leading open-source office software suite

- for word processing
- spreadsheets
- presentations
- graphics
- databases

Other features:

Available in many languages

Stores all your data in an international open standard format

Read and write files from other office software packages (MS Office)

You can download and use it completely free of charge for any purpose.

Neo Office

Most popular open source office application for Mac OS X.

- Word Processing
- Spreadsheet
- Presentation
- Drawing
- Database

Based on the OpenOffice.org office suite, NeoOffice has integrated dozens of native Mac features and can import, edit, and exchange files with other popular office programs such as Microsoft Office.

Quick Tour of Open Office

Highlights of Neo Office

Atomic Learning Tutorial

http://movies.atomiclearning.com/k12/no3w_intro/

Open Source Integrated Library Systems

- Evergreen
- Koha
- Open Biblio
- OPALS

Evergreen

http://www.open-ils.org/

- Evergreen is an enterprise-class library automation system that helps library patrons find library materials, and helps libraries manage, catalog, and circulate those materials, no matter how large or complex the libraries. As a community, our development requirements are that Evergreen must be:

- Evergreen is open source software, freely licensed under the GNU GPL.

Evergreen

- Catalog Demo

  http://demo.gapines.org/

- Evergreen Libraries

  http://evergreen-ils.org/dokuwiki/doku.php?id=evergreen_libraries

- Staff Demo You can download a staff demo but need to take some extra steps.

Evergreen Support and Hosting

- **NELINET – Spruce Project**   http://www3.nelinet.net/services/spruce

  Spruce Open Source Collaborative to encourage the adoption of open source library software in our region. The collaborative will provide solutions, guidance, and training while taking advantage of the power of the membership to foster innovation in open-source. With Spruce, we will be supporting a suite of open-source software products including the **Evergreen** integrated library system, **DSpace** digital repository system, **Drupal** web content management system and more.

- **Equinox Software** http://www.esilibrary.com/esi/

  Evergreen Installation, support and remote hosting services. The original authors of Evergreen. Equinox Software provides the resources and the answers you need, right from the source. Migration, project management, 24-hour support, consulting, system hosting, and customized software options are just a few of our solutions.

- **Progressive Technology Federal Systems, Inc. (PTFS)**
  http://www.ptfs.com/integrated_library_sys/index.aspx

  PTFS supports both Evergreen and KOHA. PTFS provides hosting services for the software system and library data is in a secure data facility. PTFS offers training services, implementation and installation services, policy configuration services, annual maintenance (with email and helpdesk support), and hosting services.

Maine Libraries and Evergreen

- Tri-County Consortium is creating a 9 library system using Evergreen
- MSAD 40
- Great interest growing

Koha

http://koha.org/

- Koha is a full-featured open-source ILS. Developed initially in New Zealand by Katipo Communications Ltd and first deployed in January of 2000 for Horowhenua Library Trust, it is currently maintained by a team of software providers and library technology staff from around the globe.

Koha

- Catalog Demo
  http://public.demo.kohalibrary.com/

  Blue Hill Public Library
  http://www.catalog.bhpl.net/

- Koha Libraries
  http://liblime.com/products/koha/users/public

Koha Support and Hosting

- **LibLime** http://liblime.com/

  Koha Classic and Koha Zoom. Koha Classic is for small libraries.. Koha Zoom is for large libraries and consortia.

  LibLime provides commercial support services - hosting, migration assistance, staff training, support, software maintenance, and development – solutions tailored to each customer's needs.

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Koha in Maine

Maine Koha Users Page

- http://www.hartland.lib.me.us/maine_koha.html

OPALS
(Open-source Automated Library System)

http://opals-na.org/opals-fac.html

A cooperatively developed, Web-based, open source program providing Internet access to information databases and library collections. There is no need to install software or purchase expensive computer hardware for this powerful Internet accessed system.

OPALS
(Open-source Automated Library System)

- Sample Catalogs
  http://www.mediaflex.net/resources.jsp
- Vestal Senior High School
  http://opalsvla.stier.org/bin/home

OPALS
(Support and Hosting)

- Media Flex

http://www.mediaflex.net/search_product.jsp?category=A&page_no=1

- Sample OPALs catalog

http://opals-na.org/Sites.html

- OPALS in Maine
  - Georgetown Central School. Georgetown Central School Library.
  - Maine School Administrative District 31. Amy Stone Cole Library Media Center.
  - Maine School Administrative District 31. Jim Currie Library Media Center. Howland, ME
  - North Yarmouth Academy. North Yarmouth Academy Library. Yarmouth,, ME
  - Penobscot Valley High School. Jim Currie Library Media Center. Howland, ME
  - Phippsburg Elementary School. Phippsburg Elementary School Library.
  - Phippsburg, ME

OpenBiblio

http://obiblio.sourceforge.net/

OpenBiblio is an easy to use, automated library system written in PHP containing OPAC, circulation, cataloging, and staff administration functionality. OpenBiblio library administration offers an intuitive interface with broad category tabs and sidebar.

OpenBiblio Support

http://sourceforge.net/services/project_services.php?project_id=50071

OpenBiblio in Maine

- Shaw Public Library - Mercer

Open Source Considerations

- **A Primer in Risk**
  Taking a critical look at common support scenarios for open source software
  By Jonathan Rochkind -- Library Journal, 11/15/2008
  http://www.libraryjournal.com/article/CA6611591.html

- **Comparing Evergreen and Koha:**
  Kent County Public Library compares Evergreen and Koha
  http://kcplinnovations.blogspot.com/2007/11/comparing-evergreen-and-koha.html

- **Open-Source Software for Libraries** by Casey Bisson
  Library Technology Reports 43:3 (May/Jun 2007)

- **What Can Open Source Do for You?** By Rachel Singer Gordon and Jessamyn West
  Computers in Libraries; March 2008

Other Open Source Software

Operating System

- Linux

  http://en.wikipedia.org/wiki/Linux#GNU.2FLinux

Web Browser and Email

- Mozilla –- http://www.mozilla.com/en-US/
- Firefox and Thunderbird

Digital Collections Management

- DSpace - http://www.dspace.org/
- Greenstone - http://www.greenstone.org/

Blogs and Content Management Systems

- WordPress - http://wordpress.org/download/

- Joomla - http://www.joomla.org/download.html

- Plone - http://plone.org/products/plone

- ModX - http://modxcms.com/

- Drupal - http://drupal.org/project/drupal

(Look for add-ons to download at SourceForge.)

Open Source Public Workstations in Libraries

- Open Sense http://open-sense.com/
- Useful   http://www2.userful.com/

- Is Prince Memorial still using Userful?

Search for Open Source and Free Software

- **SourceForge** **http://sourceforge.net/**
- **Portal:Free software http://en.wikipedia.org/wiki/Portal:Free_software**

Questions?