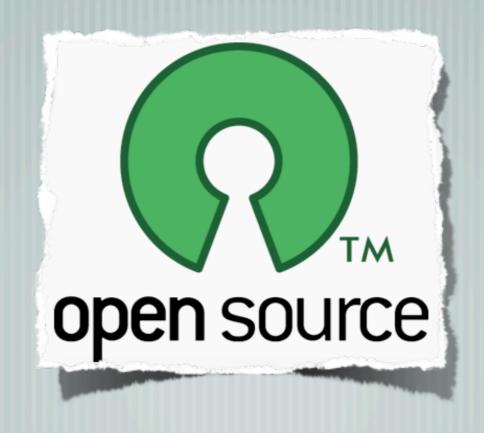
Libraries & Open Source: Freedom and Community

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Outline

What is Open Source?

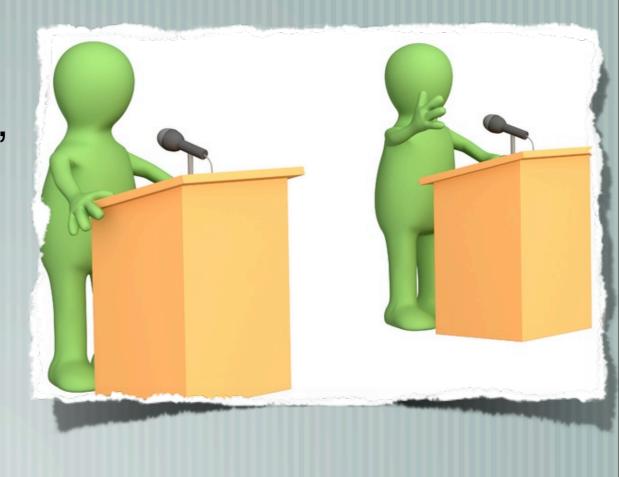
Products for your Library

Q&A Throughout



What is Open Source?

- "Isn't that insecure?"
- "I don't want to share my data!"
- "How can it be any good if it's free?"
- "We don't have the staff to handle open source."
- "We've never had success with homegrown systems."



What is Open Source?

Open source software is software that users have the ability to run, distribute, study and modify for any purpose.

Open source is a collaborative softwaredevelopment method that harnesses the power of peer review and transparency of process to develop code that is freely accessible.1

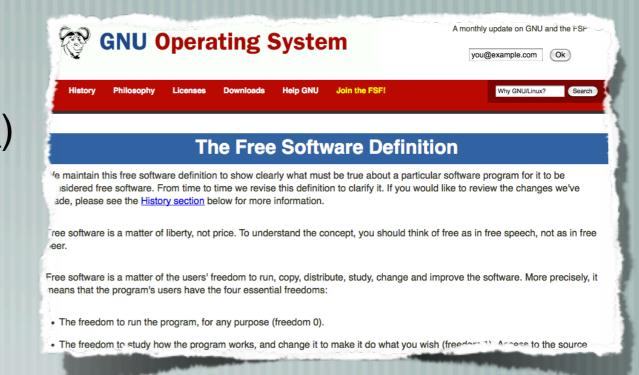
Open source draws on an ecosystem of thousands of developers and customers all over the world to drive innovation.2



1,2 http://connect.educause.edu/display/47941

What is Free Software?

- Often you will hear Free & Open Source Software (F/OSS) in conjunction.
- The Free Software Definition (http://www.gnu.org/philosophy/free-sw.html) is similar to, but not identical to the Open Source Definition (http://www.opensource.org/docs/definition.php)
- Free does not mean free of cost it means Free as in Freedom



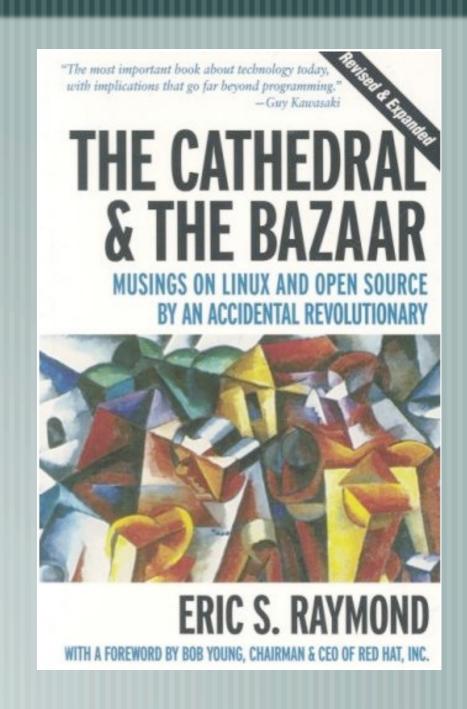
What is Open Source?

The Cathedral (proprietary software)

- Development occurs behind walls
- Source code is usually not provided kept locked up
- Corporate hierarchy

The Bazaar (open source software)

- Code developed over the Internet with several others in public view
- Source code open to all users
- "Given enough eyeballs, all bugs are shallow"



http://www.catb.org/~esr/writings/cathedral-bazaar/cathedral-bazaar/

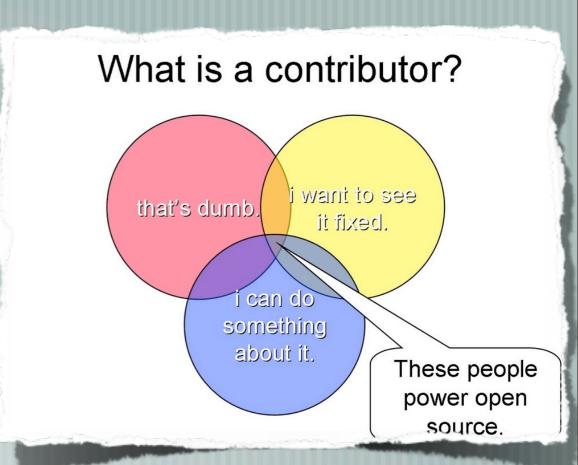
Open Source Governance

What kind of quality control is there?

 Most open source projects have a release manager or a manager of some sort who reviews the code and approves it before adding it to the final release

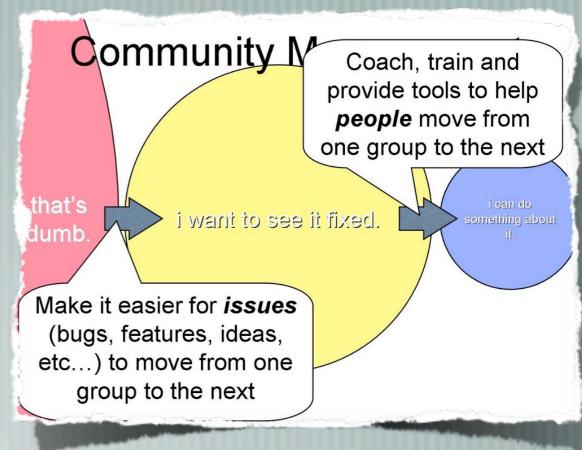
What is the roll of the community?

The community looks out for the best interests of the software.
 They work as the governing body behind all decisions related to the software. The community decides what features to develop next and who the managers are.



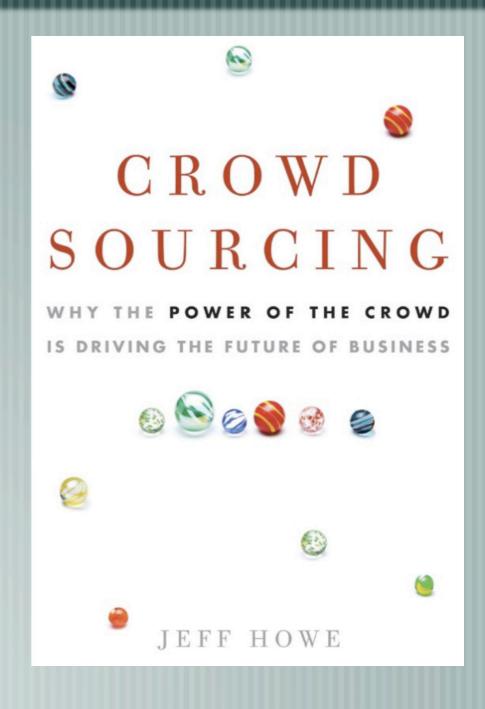
Open Source Community

- Open source is about more than free software
 - Community is crucial to the growth of open source
 - Without shared knowledge and collaboration the project will not grow
- People who use open source can collaborate in many ways with the community
 - Write code
 - Write documentation
 - Debug
 - Educate others



Open Source Crowdsourcing

"Crowdsourcing has it genesis in the open source movement in software. The development of the Linux operating system proved that a community of like-minded peers was capable of creating a better product than a corporate behemoth like Microsoft. Open source revealed a fundamental truth about humans that had gone largely unnoticed until the connectively of the Internet brought it into high relief: labor can often be organized more efficiently in the context of a community than it can in the context of the corporation. The best person to do a job is the one who most wants to do that job; and the best people to evaluate their performance are their friends and peers who, by the way, will enthusiastically pitch in to improve the final product, simply for the sheer pleasure of helping one another and creating something beautiful from which they all will benefit."



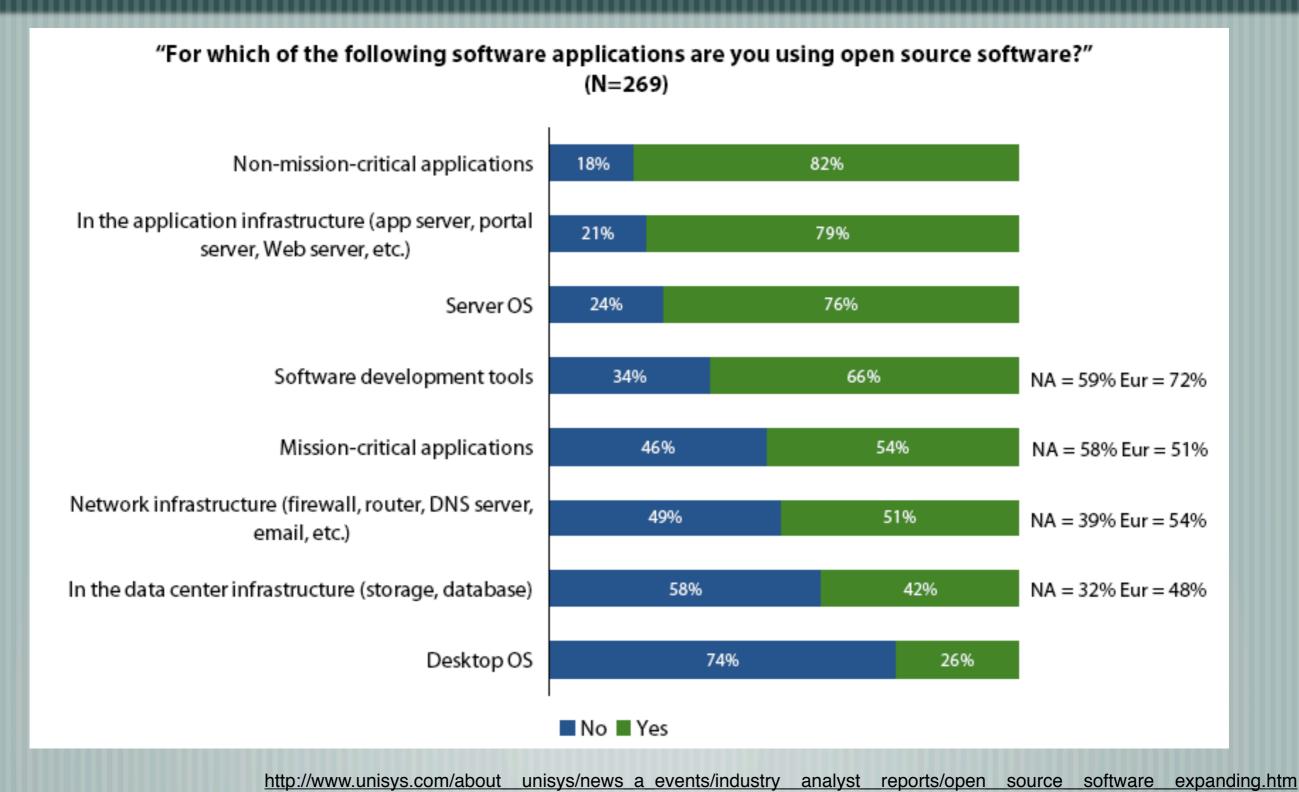
Howe, J. (2008). Crowdsourcing: Why the power of the crowd is driving the future of business. New York: Crown Business. p.8

Who's Using Open Source?

- Government Agencies
- All Kinds of Businesses
- Schools (K-colleges)
- Web Developers

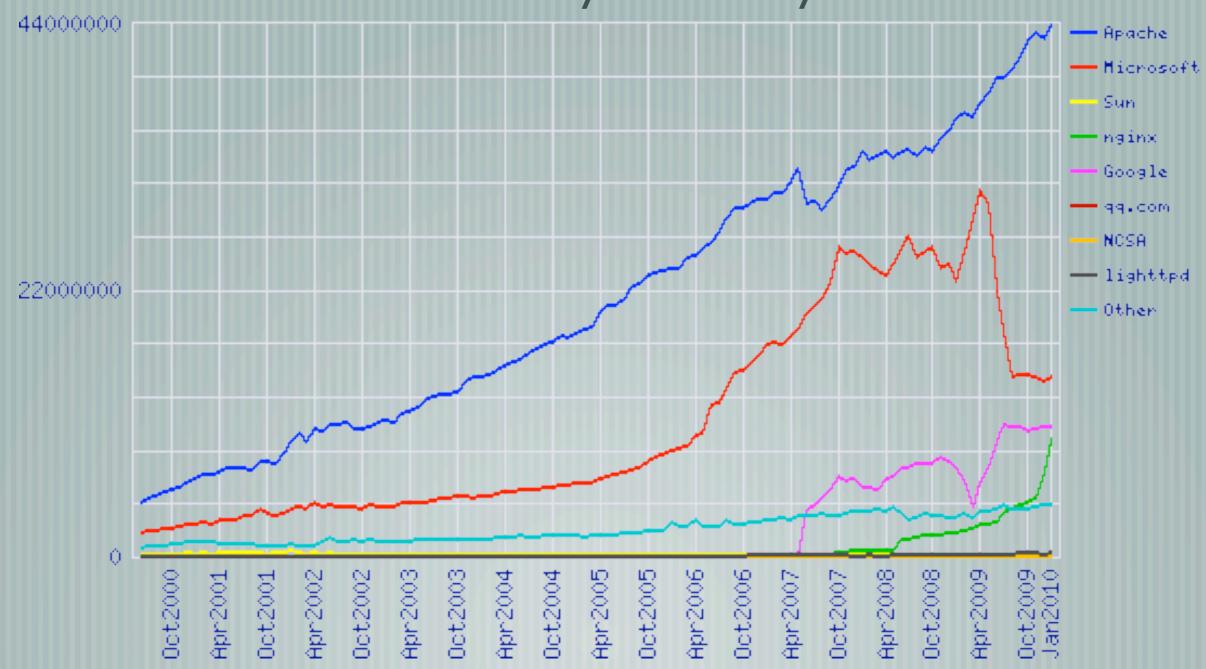


Open Source in Business



Open Source on the Web

Total Active Servers: 6/2000 to 1/2010



http://news.netcraft.com/archives/2010/01/07/january 2010 web server survey.html

Why so Popular?

- Reliability through Peer Review
- Freedom to Innovate
- No Vendor Lock-in
- User-centric Development
- Zero License Fees



Why should libraries care??

Libraries and Open Source Both...

- Believe that information should be freely accessible to everyone
- Give away stuff
- Benefit from the generosity of others
- Are about communities
- Make the world a better place



-- Horton, G. http://tinyurl.com/3jvumn

Libraries and Open Source make the perfect pair

[Librarians] "are almost ethically required to use and develop open source software."

-- Crawford, R. S. http://www.lugod.org/presentations/oss4lib.pdf

"The open source movement and libraries have a lot in common, not the least of which is the belief in free and open access to ideas and information"

-- Burger, T. M. http://www.linux.com/feature/59491



http://www.flickr.com/photos/cavort/151687944/

Libraries and Open Source make the perfect pair

"Libraries are committed to the notion of the 'commons.' Libraries are in fact one of the last best hopes for the preservation of the intellectual commons. That value system should extend to the intellectual work we do on our access systems. We should reclaim the domain of library technology from the commercial and proprietary realms and actualize is as part of our vision of the commons.

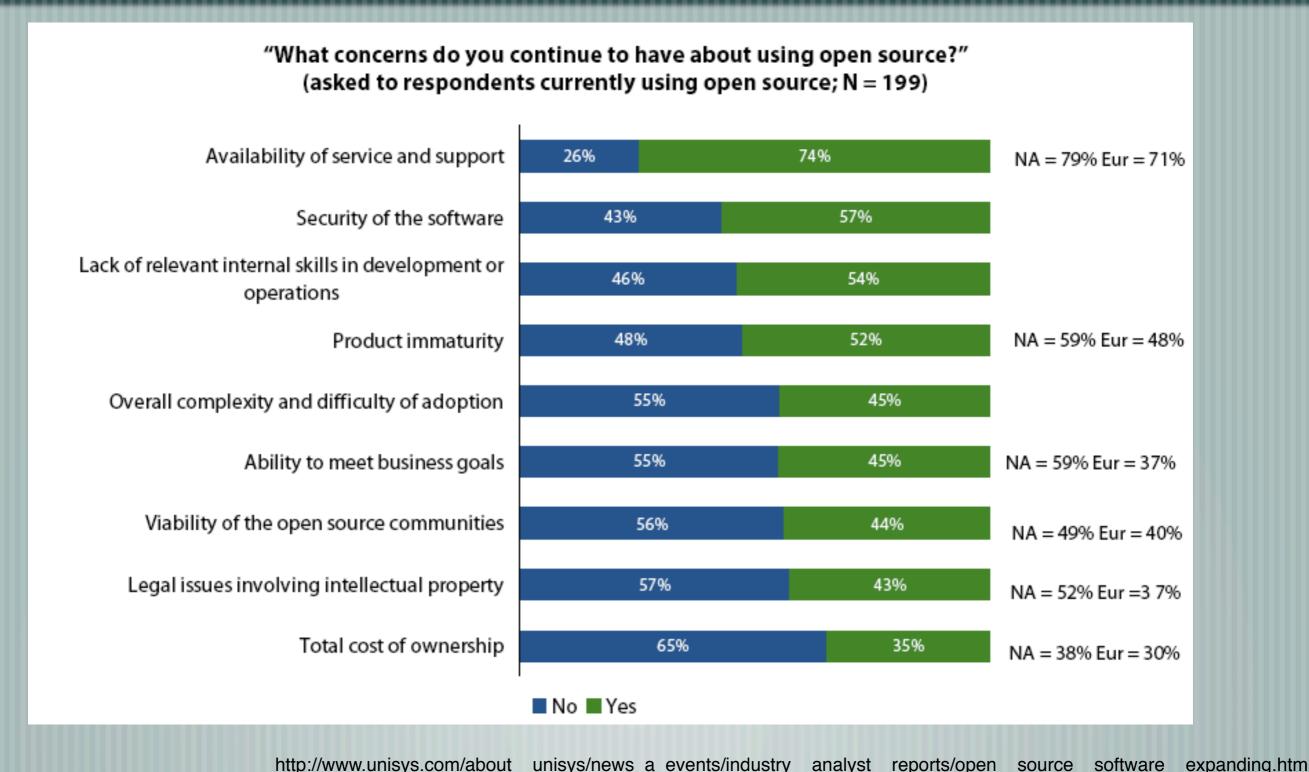
. . .

We are also congenital collaborators. Can you think of any other group of institutions that share their stuff the way we do through ILL?



-- Lucia, J. http://pln.palinet.org/wiki/index.php/Open_source_plans

Open Source Concerns



nttp://www.ameyo.com/about ameyo/news a evente/madetry analyst reperte/open coarde convare expanding.ntm

Common questions libraries have:

Is there support? Do I have to know how to program?

Do I have to skimp on features?

Isn't Open Source risky?

Can I do it myself?

Support for Open Source

Is there support?

- ByWater Solutions
- BibLibre
- Equinox
- YourLibrarySite
- And more!*

Do I have to know how to program?

- Local Students
- Freelance Developers



* http://infomotions.com/tmp/oss/support.html

Do I have to skimp on features?

- Open Source developers follow the rule of "Release early and release often"
- Users vote with their dollars and time
- Freedom to develop on your own
- Developers love their products

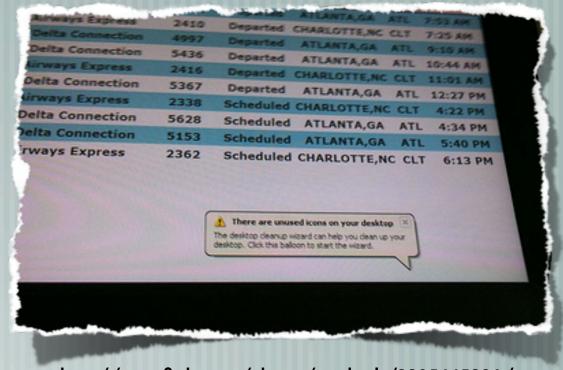


http://www.flickr.com/photos/programwitch/2505184887/

Isn't Open Source Risky?

Casey Coleman, chief information officer for the GSA (U.S. General Services Administration), said in a speech ... that the GSA heavily relies on open source to drive down costs, increase flexibility of IT dollars, and reduce risk.

'You get much more transparency and interoperability, and that reduces your risk,' she said.



http://www.flickr.com/photos/gmcharlt/3805445236/

http://news.cnet.com/8301-13505 3-9921115-16.html

Isn't Open Source Risky?

Several Levels of Risk to consider:

- Software security issues
 - Open source is just as secure if not more secure than proprietary systems because of its transparency
- Company mergers and acquisitions
 - Because you own the code to your system you are not tied to one support source and will never be left without support



http://www.flickr.com/photos/auntie/102849109/

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Isn't Open Source Risky?

For a total 284 days in 2006 (or more than nine months out of the year), exploit code for known, unpatched critical flaws in pre-IE7 versions of the browser was publicly available on the Internet. Likewise, there were at least 98 days last year in which no software fixes from Microsoft were available to fix IE flaws that criminals were actively using to steal personal and financial data from users.

In a total of ten cases last year, instructions detailing how to leverage "critical" vulnerabilities in IE were published online before Microsoft had a patch to fix them.

In contrast, Internet Explorer's closest competitor in terms of market share -- Mozilla's Firefox browser -- experienced a single period lasting just nine days last year in which exploit code for a serious security hole was posted online before Mozilla shipped a patch to remedy the problem.



Quote: http://blog.washingtonpost.com/securityfix/2007/01/internet_explorer_unsafe_for_2.html
lmage: http://www.seo-quotient.com/firefox-v-internet-explorer-v-safari-web-browsers/

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Can I do it myself?

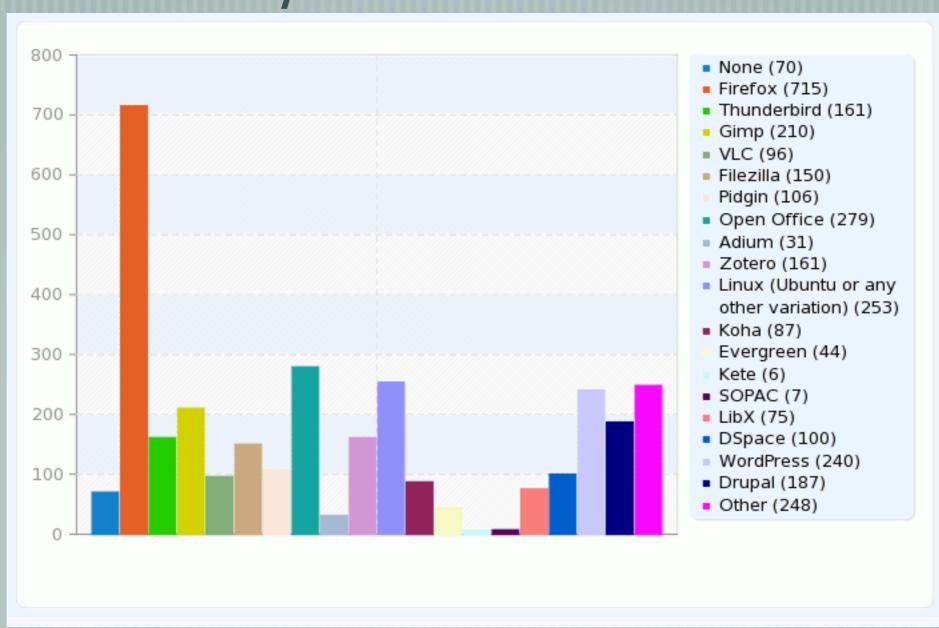
- Absolutely, with the right inhouse skills
 - Linux server management
 - Web programming
 - Perl / PHP / MySQL
 - Systems knowledge



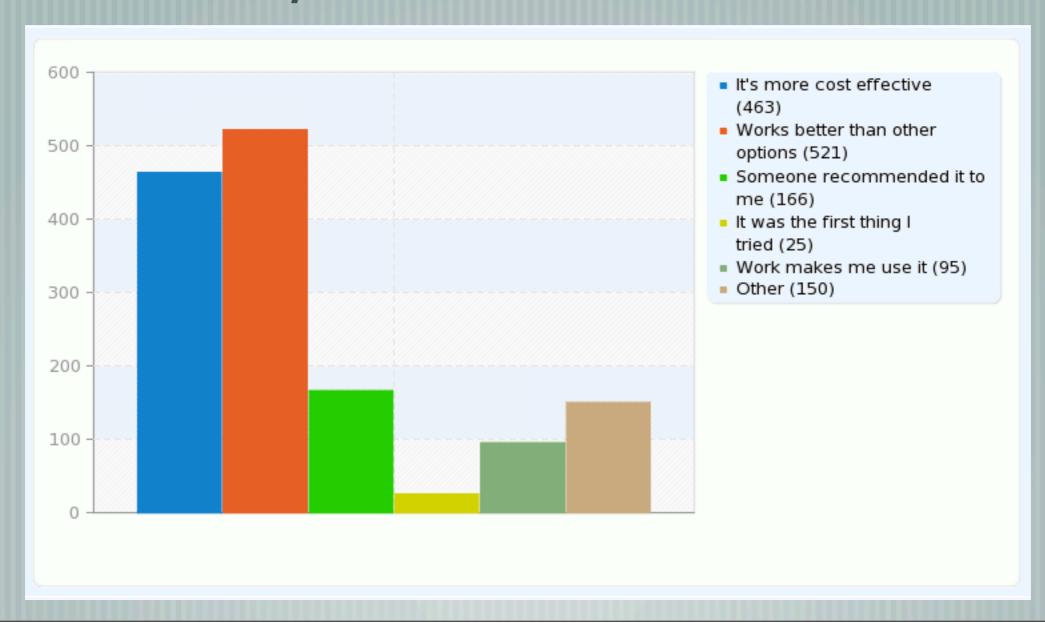
Some Numbers

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When asked what Open Source apps they use at work, 977 librarians and library workers answered as follows



When asked why they chose and open source app, 977 librarians and library workers answered as follows



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Give me some examples!!



Operating System

- Is and always will be free of charge
- Ubuntu contains all the applications you'll ever need:
 - word processing
 - email applications
 - web server software
 - programming tools
 - games
- Designed with security in mind
- Great for patron stations!!



Lock down Ubuntu for Patron Stations: http://ashkev.weblogs.us/archives/478

Jessamyn installs Ubuntu in her library: http://vimeo.com/4169783

Download Ubuntu: http://ubuntu.com

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Operating System - For Kids!

- Is and always will be free of charge
- Qimo has applications specific to kids
- Based on the open source Ubuntu Linux desktop
- Comes pre-installed with educational games for children aged 3 and up
- Interface has been designed to be intuitive and easy to use
- Great for children stations!!



http://www.qimo4kids.com/

Virtual Machine

- Try operating systems without reformatting your machine
- Run as many virtual machines as you'd like
- Runs operating system concurrently without using up too many resources
- Great way to demo software without making the switch right away



http://www.virtualbox.org/

Email/Web Browser

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Email Client

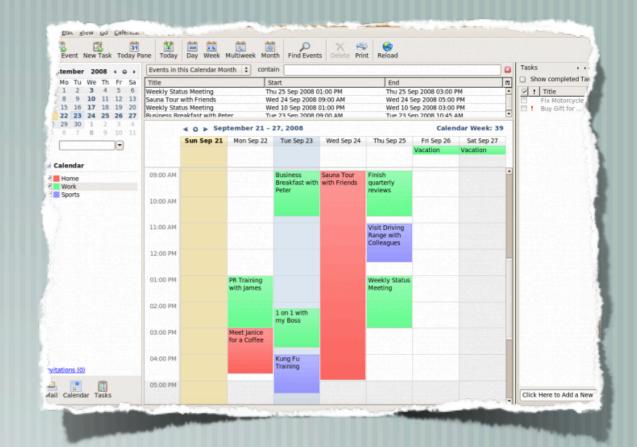
- Customizable with Plugins
- Message Tagging
- Saved Searches
- High security
 - Phishing protection
 - Junk mail folder
 - Remote image blocking
- Easy integration with Google Apps and popular web mail services



Download: http://www.mozilla.com/en-US/thunderbird/

Must Have Firefox Plugins

- Lightening
 - Adds a Sunbird (another Mozilla product) type calendar to Thunderbird
 - http://www.mozilla.org/projects/ calendar/lightning/
- Provider for Google Calendar
 - Connects Lightning with Google Calendar.
 - https://addons.mozilla.org/en-US/ thunderbird/addon/4631



Tutorial: http://www.makeuseof.com/tag/how-to-integrate-google-calendar-into-thunderbird/

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Web Browser

- Customizable with Plugins
- Offers more security that IE
 - Phishing protection
 - Built in pop up blocker
 - Spyware protection
 - Private Browsing
 - Frequent updates
- Built in spell checking
- Built in RSS recognition



Download: http://www.mozilla.com/en-US/firefox/

Security Facts:

http://en-us.www.mozilla.com/en-US/firefox/security/

Browser Stats:

http://www.w3schools.com/browsers/browsers_stats.asp

Must Have Firefox Plugins

- Adblock Plus
 - Block all ads from displaying
 - https://addons.mozilla.org/en-US/firefox/addon/1865
- Greasemonkey 6
 - Allows for running of small scripts to change webpages
 - https://addons.mozilla.org/en-US/firefox/addon/748
 - Find 100s of Greasemonkey scripts: http://userscripts.org
- NoScript
 - Block all scripts from running without your permission
 - https://addons.mozilla.org/en-US/firefox/addon/722
- Flashblock
 - Block all flash movies from paying without your permission
 - https://addons.mozilla.org/en-US/firefox/addon/433
- DownThemAll
 - Download all files on one page with a single click
 - https://addons.mozilla.org/en-US/firefox/addon/201

Alternate Browser

- Google Chrome is a new open source browsing option
- Available for many operating systems
- More security than IE:
 - Malware protection
 - Spyware protection
 - Anti-Phishing
 - Private browsing
- Extend functionality with plugins



http://chrome.google.com
https://chrome.google.com/extensions/

Browser Syncing

- Sync all your Firefox installs
- Encrypts and securely synchronizes the Firefox experience across multiple browsers, so that your desktop, laptop, and mobile phone can all work together
- Currently supports continuous synchronization of your bookmarks, browsing history, saved passwords and tabs

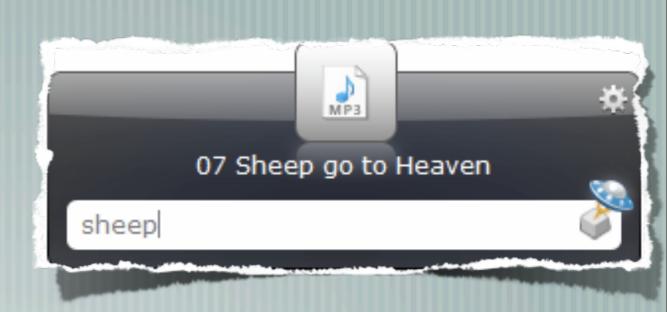


https://labs.mozilla.com/projects/weave/

Desktop Apps

File Launcher

- For Windows only
- Launch anything without using your Start Menu
- Launch web pages in your default browser
- Indexes
 - Programs on Start Menu
 - Your Documents
 - Project Files
 - Folders
 - Bookmarks



http://www.launchy.net

Complete Office Suite

- Works on most operating systems
- Includes full office suite:
 - word processor
 - spreadsheet
 - presentation manager
 - drawing program
 - database application
- Similar menus to other office suites
- Save files in a variety of formats for interoperability with other office suites
- Mature/established applications



http://www.openoffice.org

Collaborative Editing

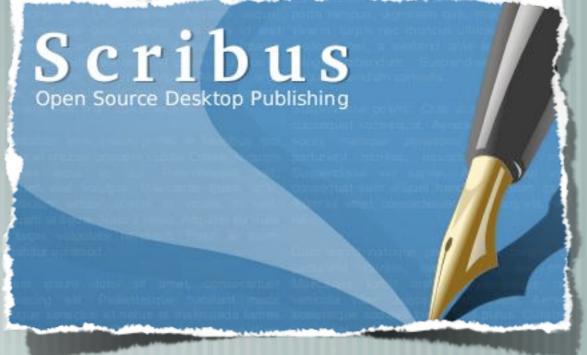
- Works on most operating systems
- Collaborative editor
- Includes a multi-user chat
- Supports multiple documents in one session
- Each user has its own changeable color to be identified by others
- Syntax highlighting for most programming languages
- Session password protection
- Multiple documents in one session
- Drag'n'drop of documents into Gobby



http://gobby.0x539.de/trac/

Desktop Publishing

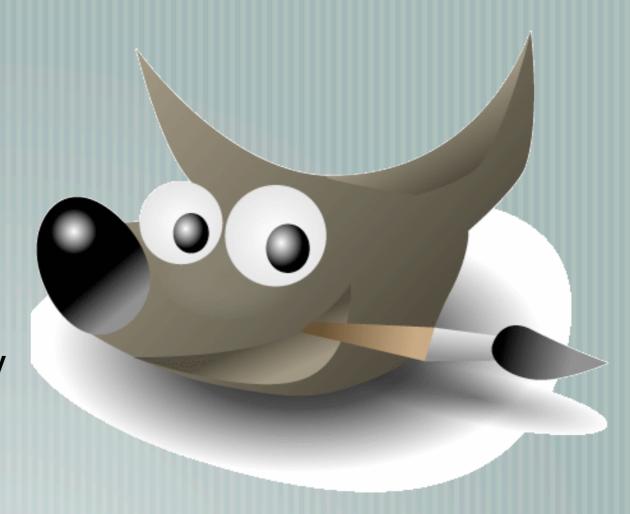
- Works on most operating systems
- Professional page layout
- Comes with a combination of "press-ready" output and new approaches to page layout
- Supports professional publishing features, such as CMYK color, separations, ICC color management and versatile PDF creation
- Non-Latin script handling in PDFs
- Several translations



http://www.scribus.net/

Photo Editing

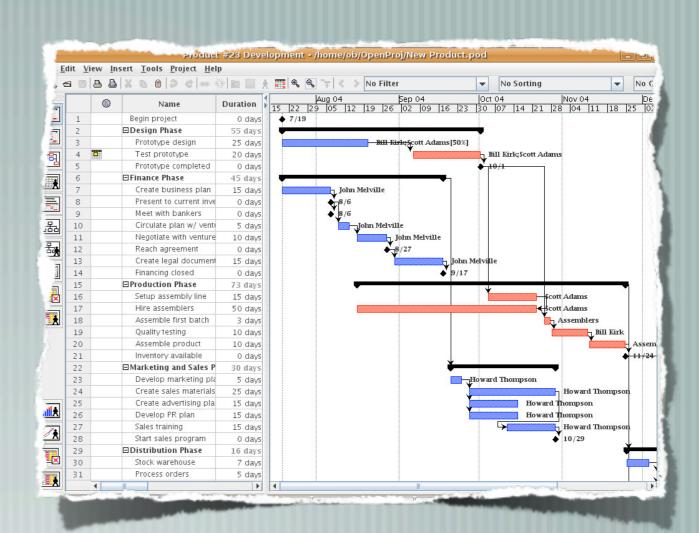
- Works on most operating systems
- Supports photo retouching and image creation
- Includes a customizable interface and plugins for extended functionality
- Supports most photo formats
- Available in several languages



http://gimp.org

Project Management

- OpenProj
- Meant to replace Microsoft Project
- Translated into several languages
- Works on most operating systems
- Advanced scheduling
- Includes resource and cost algorithms

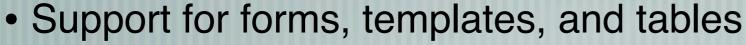


http://openproj.org/openproj

Web Authoring

Web Development

- Works on most operating systems
- WYSIWYG editor
- Integrated file management with FTP



- HTML editing interface
- Tabbed editor
- No official support anymore, but works great out of the box



http://nvudev.com/

Advanced Web Development

- Works on most operating systems
- Integrated language support for
 - HTML
 - JavaScript/Ajax
 - CSS
- Support for advanced languages:
 - PHP
 - Jaxer
 - Ruby on Rails
 - Python



http://www.aptana.com

FTP

- Available for client and server
- Client works on most operating systems
- Server is Windows only
- Drag and drop interface
- Available in several languages
- Can filter by filename
- Allows for remote file editing



http://filezilla-project.org/

Communication

Web Conferencing

- Works on most operating systems
- Runs right in the web browser
- Secure (data encrypted by HTTPS)
- Meetings can be conducted either in conjunction with an enterprise's existing teleconferencing service, or utilizing WebHuddle's optional voice over IP



https://www.webhuddle.com/

Web Conferencing

- Works on most operating systems
- Comes in open source and enterprise editions
- No software downloads for meeting hosts or attendees (runs in your browser)
- Share your desktop, slides, chat and voice
- Broadcast via webcam and voice over IP
- Open source version meant for developers, tech enthusiasts and for other non-critical environments



http://www.dimdim.com/

Instant Messaging

- IM with multiple logins at once
- Supports file transfers
- Shows typing notifications
- Allows for custom away messages
- Windows only
 - See Adium for Mac

http://www.pidgin.im/
http://www.adiumx.com/



Media

Media Player

- VLC
- Works on most operating systems
- Plays DVDs and CDs
- Supports a large number of multimedia formats
 - AVI
 - MP3
 - WMA
 - MOV
 - WAV
 - MP4
 - MPEG
 - etc...



http://www.videolan.org/

Screenshots

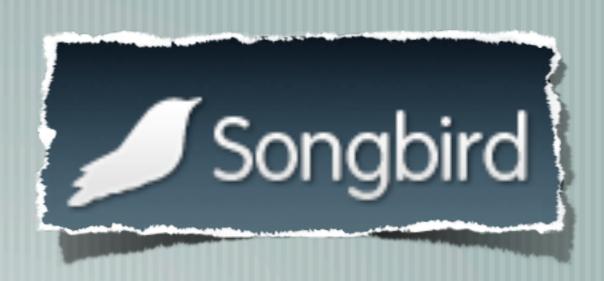
- ZScreen offers advanced screenshot options
- Capture entire screen or selection
- Upload/Save Destinations
 - FTP
 - Clipboard
 - Custom Uploader
- Text Features
 - Language Translator
 - Upload Clipboard Text to FTP



http://www.brandonz.net/projects/zscreen/

Music Player

- From Mozilla (like Firefox)
- Multiple formats on all systems:
 - MP3
 - FLAC
 - Vorbis
- Windows formats:
 - WMA
 - WMA DRM on Windows
- Windows & Mac formats:
 - AAC
 - Fairplay
- Plugins available
- Integrates with Last.fm



http://getsongbird.com/

Podcatcher

- Juice's primary purpose is to manage podcasts
- Works on most operating systems
- Supports more than 15 languages
- Supports multiple media players
- Has a built-in directory with thousands of listed podcast feeds
- Windows version is accessible for blind and visually impaired users



http://juicereceiver.sourceforge.net

Music Editor

- Works on most operating systems
- Popular among podcasters
- Record live audio
- Import/Export audio files
- Edit Ogg Vorbis, MP3, WAV or AIFF sound files
- Cut, copy, splice or mix sounds together
- Change the speed or pitch of a recording
- Convert tapes and records into digital recordings or CDs



http://audacity.sourceforge.net/

Screencasting

- Works on WindowsXP only
- Records actions on your screen
- Multi-Language support
- Records audio from system speakers
- Features include the ability to:
 - Add System Time Stamp To Video
 - Add Caption To Video
 - Add Watermark To Video



http://camstudio.org/

Screencasting

- Works on Windows only
- Record software demonstrations and tutorials.
- Include
 - Voice
 - Webcam
 - Text
- Publish in Flash, view on our website or yours.
- Receive ratings, comments and share with others.



http://www.webinaria.com

Video Editing

- Avidemux
- Works on most operating systems
- Designed for simple cutting, filtering and encoding tasks
- Supports many file types
 - AVI
 - DVD compatible MPEG files
 - MP4
 - ASF
- Supports automation of projects



http://avidemux.sourceforge.net/

On the Web

Web Office Suite

- Install software on your own servers
- Collaborate with colleagues online
- Create
 - Text documents
 - Presentations
 - Task Lists
 - E-mails
 - Calendars
 - Web Links
 - Contacts
 - Spreadsheets (coming soon)



http://www.opengoo.org/index.html

Invoicing

- Windows & Linux
- Runs on your web server behind your firewall
- Obtain printable pdf versions of the invoices, with a professional look & feel.
- Save drafts of your invoices and continue editing them later.
- Automatically generate invoices on a periodic basis.
- Bill from any internet connection enabled place using a secure & restricted access.
- Meets all your privacy and security requirements, and allows you to backup your data on your computer at any time.
- It has a growing community of developers continuously working to add new features.



http://www.siwapp.org/

Online Surveys

- Install on your own servers
- WYSIWYG HTML Editor
- User-Management
- Free with no limits on number of surveys or responses
- Multi-Lingual Surveys in more than 50 languages
- Integration of pictures and movies into a survey
- Creation of a printable survey version
- Anonymous and Not-Anonymous survey
- Open and closed group of participant surveys
- Optional public registration for surveys



http://limesurvey.org/

Content Management

- Easy to install and customize
- Allows for user permissions
- Plugins for events calendar, blogs wikis, page history and much more
- Thousands of pre-made themes
- Built-in search engine
- Can run an entire library website or intranet



http://joomla.org

http://www.joomlainlibrary.com

Advanced Content Management

- More advanced interface and installation process
- Expandable with Modules
 - The Drupal community has contributed many modules which provide functionality that extend Drupal core
- Extensive online help
- Both the content and the presentation can be individualized based on user-defined preferences.
- Role based permission system
- Runs 3x as many sites as the next CMS*



http://drupal.org

http://listserv.uic.edu/archives/drupal4lib.html

* http://tomgeller.com/content/drupal-runs-three-times-many-top-sites-next-cms

Library Content Management

- Developed and used by librarians!
- MaiaCMS includes modules for:
 - announcements
 - change password
 - form administration
 - front page management
 - job opening page management
 - mass mailer generation (e-mail)
 - promotion management
 - remote patron authentication
 - scheduled task management
 - site management



http://sourceforge.net/projects/maiacms/

Blogging

- Easy to install and customize
- Allows for detailed user permissions



- Plugins for events calendar, widgets, photo galleries and more
- Thousands of pre-made themes
- Includes content management functionality
- Built-in search engine
- Support multiple authors and blogs
- Can run an entire library website or intranet
- Found on nearly 3 times as many big sites as Drupal*

http://wordpress.org

http://wp4lib.bluwiki.com

* http://tomgeller.com/content/drupal-runs-three-times-many-top-sites-next-cms

Social Network

- BuddyPress will extend
 WordPress MU and bring
 social networking features to a
 new or existing installation
 - ExtendedProfiles
 - Private Messaging
 - Activity Streams
 - Friends
 - Groups
- Create your own library network for community members



http://buddypress.org http://mu.wordpress.org

Web Analytics

- Keep statistics for your websites
- An open source alternative to Google Analytics
- PHP/MySQL software program that you download and install on your own webserver
- You own your data: because Piwik is installed on your server, the data is stored in your own database
- Customizable interface



http://piwik.org/

Project Management

- Web-based project management
- Handles all sizes of projects
- User management
- Email based trouble ticket system
- Project listings and hierarchical task list
- File repository
- Contact list
- Calendar
- Discussion forum



http://dotproject.net

Course Management

- Web-based classrooms
- Permissions for students, teachers and administrators
- Built-in chat rooms and message boards
- Suitable for 100% online classes as well as supplementing face-to-face learning
- Multiple languages, themes, plugins and activity modules
- Includes modules for assignment and quizzes



http://moodle.org

Open Access Journal Management

- Open Journal System from PKP
- Manage your own open access journal
- Used by journals such as Code4Lib and Collaborative Librarianship
- Editors configure requirements, sections, review process, etc
- Online submission and management of all content
- Comprehensive indexing of content part of global system
- Complete context-sensitive online Help support



http://pkp.sfu.ca/?q=ojs

Help Desk Ticketing

- Support ticket system
- Seamlessly integrates inquiries created via email and web-based forms into a simple easy to use multi-user web interface
- Easily manage, organize and archive all your support requests and responses in one place
- Clients will be able to view ticket's status and history online
- Widely-used



http://osticket.com/

Scheduling

Meeting Room Booking

- Web/Intranet based (any browser)
- Flexible Repeating Bookings
- Authentication with your existing user database (eg Netware, NT Domain, NIS etc.)
- Ensures that conflicting entries cannot be entered
- Room administrators can be notified of bookings by email
- Multiple languages supported



http://mrbs.sourceforge.net/

PC Reservations

- Full featured, open source, free PC bookings reservation system
- Patrons can book time on a station from home, office, school or the library itself
- Walk-Up Booking
- Penalties for "No Show" Reservations
- Reminders
- Double-Booking Prevention
- Client software for both Windows and Linux



http://userful.com/products/pre-book

Public PC Management

- Integrated multi-platform kiosk management system.
- · Includes:
 - Prepaid access and membership access
 - Remote logoff, shutdown, and messaging
 - Customizable login dialog text
 - Remote viewing of network status from an external location using a web browser
 - Grouping of workstations according to program access



http://openkiosk.sourceforge.net/

Research

Library Plugin

- Open Source browser plugin for Firefox and Internet Explorer
 - Set up much easier on Firefox
- Provides access to library resources from the browser
- Uses an open source framework
 from which editions for specific libraries can be built
- Currently, 650+ academic and public libraries have created public LibX editions
- Integrates into popular websites (Google Scholar, Amazon, Barnes & Noble)

http://libx.org

Research Assistant

- Open source Firefox extension
- Helps you collect, manage, and cite research resources
- Playlist-like organization
- Allows for note-taking
- Includes saved searches and tags
- Integration with MS Office & Open Office
- Data stored in your web browser
 - New version (in beta) allows for storing of files and bibliography online as well
 - Beta version allows for shared collections

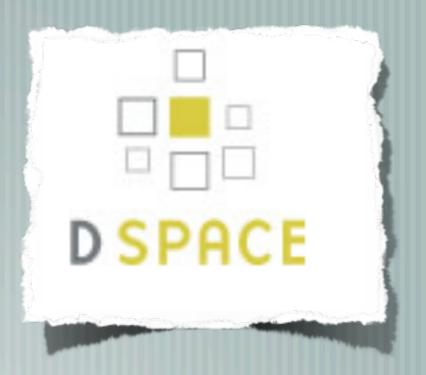
of files and

ZOTER

http://zotero.org
http://www.zotero.org/translators
http://research.library.gsu.edu/zotero

Institutional Repository

- Store research papers and presentations for your organization
- Captures your data in any format:
 - text
 - video
 - audio
 - data
- Customizable to your needs
- Searchable
- Provides access control
- Widely used in the academic world



http://www.dspace.org

Library Apps

Reference Stats

- Provides a simple way for library reference & service desks to track statistics on the number of questions asked
- Provides tools to build a simple knowledge base
- Web-based
- Runs on Linux or Windows Server



http://code.google.com/p/libstats/

Ebook Library Management

- Format conversion (all major Ebook formats can be converted from)
- Syncing to Ebook reader devices
- Fetching news from the web and converting it into Ebook form
- Viewing many different Ebook formats
- Giving you access to your book collection over the Internet using just a browser/email client



http://calibre.kovidgoyal.net

OPAC

- Blacklight OPAC
- Allows for indexing multiple types of objects from the repository with separate metadata standards
 - Allows for searching of bib records alongside digital library items
- Friendly interface
 - RSS Feeds for search results
 - Facetted Searching
 - Cover images
- Speedy/Friendly search engine



http://rubyforge.org/projects/blacklight/ http://blacklight.betech.virginia.edu/

OPAC

- Currently only works with Voyager
 - More ILS support to come
- Faceted results
- Save lists
- Zotero integration
- Persistent URLs
- Author biographies
- Similar items searching
- Browsable



http://vufind.org

CMS & OPAC in One

- CMS and OPAC with faceted searching and browsing features
- Leverages WordPress to offer rich content management features for all a library's content
- Free and open source
- Represents library catalogs in an easily searchable, highly remixable web-based format



http://about.scriblio.net

CMS & OPAC in One

- SOPAC (Social Online Public Access Catalog) is a module for the Drupal CMS that provides true integration of your library catalog within Drupal while allowing users to tag, rate, and review your holdings.
 - Faceted browsing
 - 100% customizable interface via the Drupal template system
 - Ability to remove search limiters
 - Saved searches
 - Integrated renewals, holds placement, and fine payment
 - Ability to customize the user experience via the administrative control panel



http://thesocialopac.net

Course Reserves

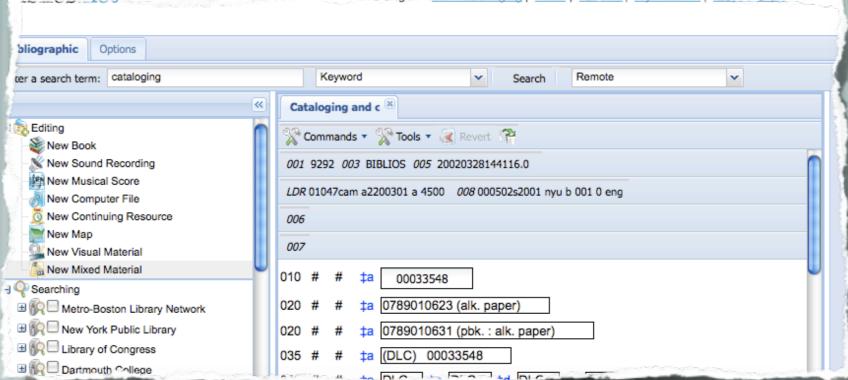
- Enables both instructors and library staff to manage reserve lists
- Allows users to upload files, link to online materials, and fax documents directly into the system as PDFs
- Integrates with the library's catalog, providing convenient access to all course materials, physical and electronic, in one place
- Allows instructors to reactivate reserve lists for classes they've taught before
- Can be deployed in single-library or multi-library environments



http://www.reservesdirect.org

Cataloging Tool

- Web based
- Export records in multiple formats
 - MARC21
 - MARCXML
 - More to come
- Authority Control
- Syntax highlighting
- Search multiple Z39.50 servers for
 - copy cataloging records
- Also available as a free online community cataloging service
- Intended as stand alone cataloging tool, or as ILS plugin
 - ILS plugin only for Koha to date



http://biblios.org

http://biblios.net

Digital Library

- Available for most operating systems
- Multi-lingual
- Library can contain:
 - Images
 - Audio recordings
 - Video recordings
 - Documents (PDF, Word, etc)
 - URLs of web resources



http://www.greenstone.org/

Community Digital Library

- Library can contain:
 - Images
 - Audio recordings
 - Video recordings
 - Documents
 - URLs of web resources
- Community built / collaborative effort between librarians and patrons
- Great for genealogy and local history



http://kete.net.nz/

Online Exhibitions

- Professional-looking exhibit sites that showcase collections
- Dublin Core metadata structure
- Multiple themes
- Plug-ins for geolocation and bi-lingual sites
- Web 2.0 technologies, including:
 - Tagging
 - Blogging
 - RSS feeds



http://omeka.org/

Integrated Library System

- Installs to your desktop
- Offers the following functions
 - Cataloging
 - Circulation
 - Patron Management
- In development
 - Acquisitions
 - Serials
- Software available for free
- Support available at reasonable prices
- Data is yours!



http://open-ils.org

Web Based Integrated Library System

- Fully web-based ILS
- Offers same features as the proprietary ILS
 - Cataloging
 - Circulation
 - Patron Management
 - Acquisitions
 - Serials
- Software available for free
- Support available at reasonable prices
- Data is yours!



FREE LIBRARY SYSTEM

http://koha.org

Now What?

Play Time

• Start downloading and installing applications that will make things more efficient (and possibly affordable) for you.



http://www.flickr.com/photos/nengard/3253133986/

Portable Play

- Can't install software on your work computer?
 - Try PortableApps:
 - Install on your USB drive and use many of these open source applications without installing to the hard drive



http://portableapps.com

Local Play

- Don't have access to a web server?
 - Try BitNami:
 - Free, easy to setup wikis, blogs, forums and many other web applications that you can run locally or in the cloud. BitNami makes deploying server software a simple and enjoyable process.



http://bitnami.org/

Additional Links

- Top 50 Programs that Drive You Crazy & their OS Alternatives: http://tinyurl.com/2xju2m
- OSS Watch, open source software advisory service: http://www.oss-watch.ac.uk
- Open Source as Alternative http://www.osalt.com
- Open Source Living http://osliving.com
- Open Source Software and Libraries Bibliography http://www.vuw.ac.nz/staff/brenda_chawner/biblio.html
- Nicole's Delicious bookmarks:
 http://delicious.com/nengard/opensource

Open Source Blogs

- The Open Road http://www.cnet.com/openroad/
- Open Ended from Ars Technica http://arstechnica.com/open-source
- The H Open Source http://www.h-online.com/open/
- ZDNet Open Source http://blogs.zdnet.com/open-source
- New York Times Open http://open.nytimes.com
- OSS & Libraries (Yahoo! Pipe)
 http://tinyurl.com/5aohv9

Online Reading List

- Open Source: Narrowing the Divides between Education, Business, and Community http://connect.educause.edu/display/47941
- Open Source Software in Libraries
 http://infomotions.com/musings/ossnlibraries/
- Open Source Software and Libraries Bibliography http://www.vuw.ac.nz/staff/brenda_chawner/biblio.html
- We Love Open Source Software. No, You Can't Have Our Code http://journal.code4lib.org/articles/527
- A Primer on Risk http://www.libraryjournal.com/article/CA6611591.html
- Nicole's Zotero Library http://www.zotero.org/nengard/items/collection/1796131

Print Reading List

- The Cathedral and the Bazaar: Musings on Linux and Open Source by an Accidental Revolutionary by Eric S. Raymond
- Embracing Insanity: Open Source Software Development by Russell Pavlicek
- The success of open source by Steve Weber
- The open source alternative: Understanding risks and leveraging opportunities by Heather J. Meeker
- Open Sources 2.0: The Continuing Evolution by Chris DiBona, Mark Stone, and Danese Cooper
- Producing Open Source Software: How to Run a Successful Free Software Project by Karl Fogel (http://producingoss.com)

Thank You

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Upcoming Book: opensource.web2learning.net

open source

Slides: http://web2learning.net > click Publications & Presentations