

Library Systems @Zero Cost

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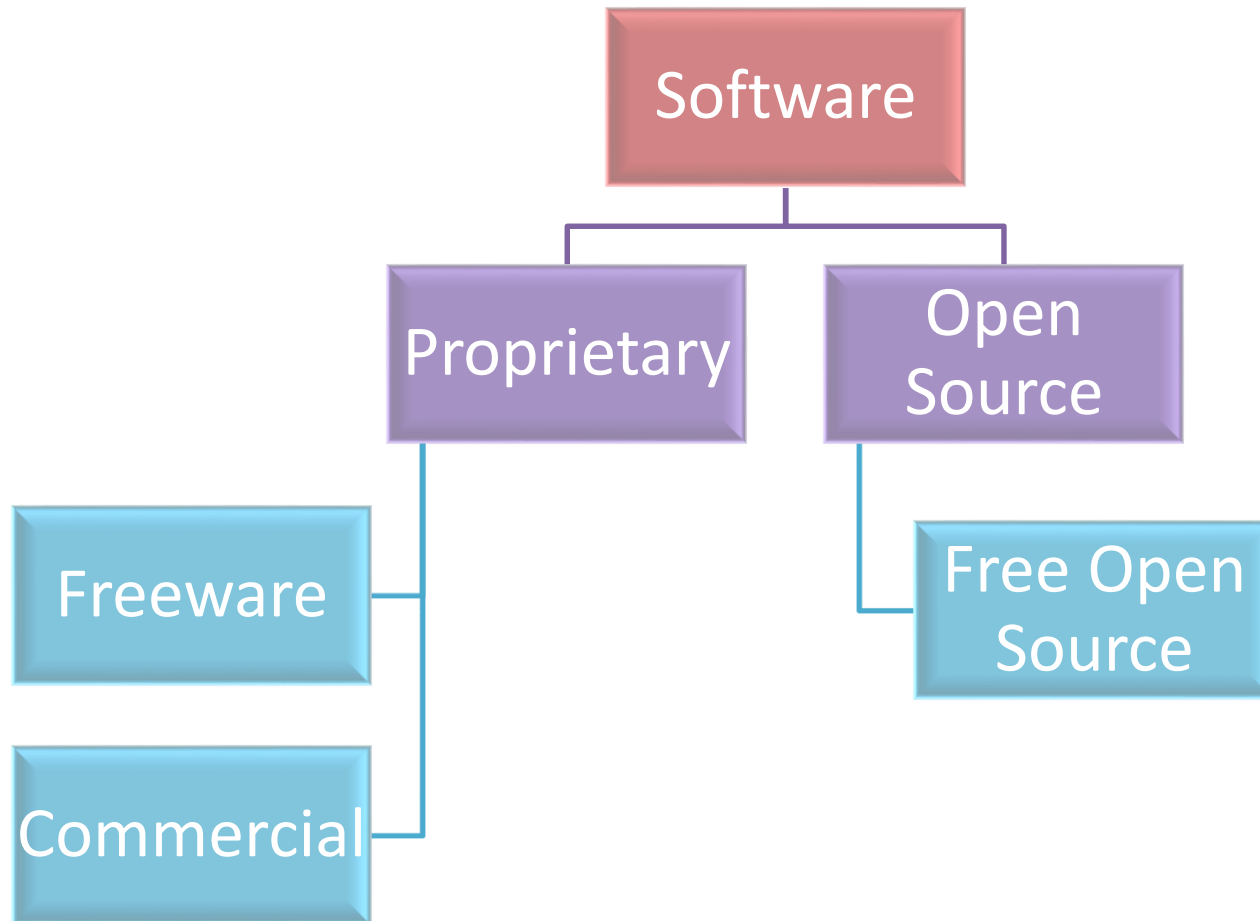


Outline

- Open Source Software
- Open Source Library systems
- Cost of Open Source Software
- The perfect digital library model

Open Source Software

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- **What is open source software?**

“Open source software is software with source code that anyone can **inspect**, **modify**, and **enhance**.”

opensource.com



<https://opensource.com/resources/what-open-source>

Open Source Software **AMICAL 2018**



<https://itsfoss.com/10-funny-jokes-pictures-windows-mac-linux/>

Just because you pay for it, it doesn't mean it's better.

Open Source Library systems

Archival Record Manager and Editor

- AtOM - Access To Memory
- EPADD
- Binder
- ArchivesSpace
- ExSite9
- Cinch
- CollectiveAccess
- Qubit
- Archon
- Archivists' Toolkit

Bibliography

- JabRef
- TextCite
- RefDB
- Refbase
- Bibwiki
- BibCiter
- **Zotero**

Compilation

- Potthakalaya

Content Management Framework

- MULTifacet
- SWORD
- Library À La Carte
- **Drupal**

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Open Source Library systems

Content Management System

- OpenScholar
- Sufia
- Piwik
- Vireo
- Open Room
- Open Monograph Press
- Avalon Media System
- MaiaCMS
- Joomla
- LibrarianDB

Course Management

- **Moodle**

Data Preservation and Management

- VeraPDF
- FixityBerry
- Siegfried
- MediaSCORE
- Web Archive Player
- PERICLES Extraction Tool
- OpenWayback
- DMPTool

Digital Repository

- **Dspace**
- Eprints
- ContentDM Integration
- Omeka
- Fedora Repository
- Etc.

Open Source Library systems

Discovery Interface

- Biblio-Z3950
- Lucene
- Solr
- LibraryFind
- **VuFind**
- Blacklight
- Etc.

Electronic Reserves

- Reserve Direct
- Syrup

Electronic Resource Management

- ERMes
- ReSearcher
- FreERMS
- CORAL
- Etc.

Image Display and Manipulation

- VIPS
- Digilib
- Mirador
- ColorSharp
- T-PEN
- IIPImage
- Etc.

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Open Source Library systems

Integrated Library System

- PMB
- NewGenLib
- OpenBiblio
- Evergreen
- **Koha**
- ABCD
- Etc.

Interlibrary Loan

- Fulfillment
- OpenRequest
- OpenILL
- Prospero

Journal Publishing

- Open Journal Systems

Knowledge Base

- Kplus
- Guide On The Side
- BibApp
- Vivo
- RT: Request Tracker
- TemaTres Vocabulary Server
- Bibserver

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Open Source Library systems

Link Resolver

- OpenURL
- Keystone Resolver
- Umlaut
- GODOT

Metadata Manipulation

- Spark OAI Harvester
- VuFind Harvest
- Metadata Hopper
- Krikri
- Repox
- Scripto
- Protégé Desktop
- Etc.

Preservation Repository

- DuraCloud
- Fixity
- DAITSS

Reference

- Open Local Information Directory
- LORLS
- WASSAIL
- Assignment Calculator
- Libstats
- **SubjectsPlus**

1 more open source software for online room reservation?



OpenRoom: a simple online interface
for managing and reserving rooms.

Cost of Open Source Software

1. Acquisition Costs

- ~~Purchasing of the software~~ and supporting software
- Hardware
- Bandwidth / Networking / Cloud

Cost of Open Source Software

2. Deployment Costs

Planning	Backup
Installation	Redundancy / Failover
Migration	Customization
Testing	Documentation
Monitoring	User-training

Cost of Open Source Software

3. Staffing Costs

- New Jobs (programmers, administrators, etc.)
- Training
- Continuous staff support

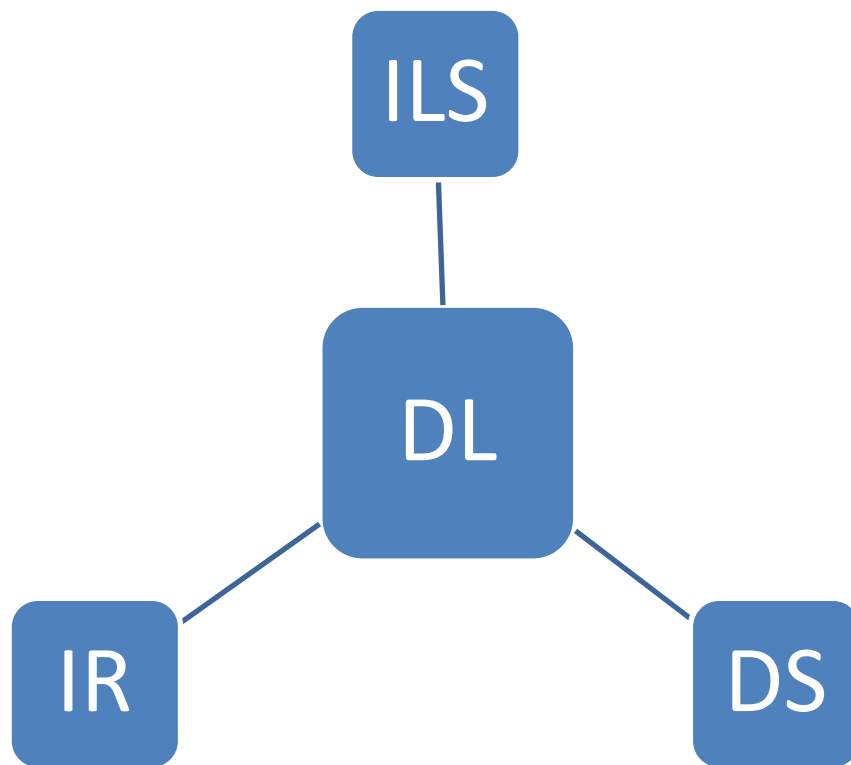
Cost of Open Source Software

4. Support and Services

- Community membership
- Commercial support costs
- Outsourced customization

The perfect digital library model

A digital library @ zero cost includes:




ILS: Integrated Library System
IR: Institutional Repository
DS: Discovery Tool
DL: Digital Library

The perfect digital library model



Operating System

- Linux




Database

- PostgreSQL



Web Server

- Apache Tomcat

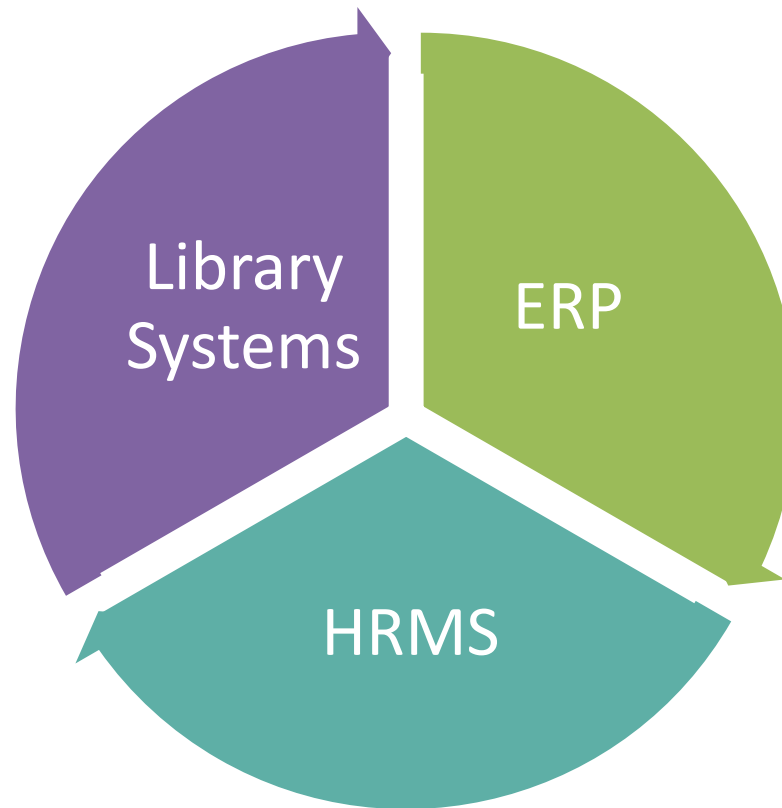


Programming Languages

- Java 
- JavaScript 
- CSS 

The perfect digital library model

Integration with other university entities:



The perfect digital library model

List of service providers



<https://koha-community.org/support/paid-support/country/>

*The support companies are listed by country



<http://www.dspace.org/service-providers>

*Registered Service Providers (RSP)



<https://vufind.org/vufind/support.html>

*Free and Commercial Support

Questions ?