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- Library management software
- Open source software
- Advantages
- Features
- Software requirements
- Hardware requirements
- Circulation
- acquisition
- Cataloging
- Administration
- opac

### INTEGRATED LIBRARY MANAGEMENT SYSTEM

- Integrated library management system is the system in which facility of both digital library and automation software is given.
- **\***We can manage digital content.
- Automation Software All house keeping operations done here.

## WHAT IS OPEN SOURCE SOFTWARE?



### First of all let us see what is:

\$\$ Software?
\$Source Code?

## SOFTWARE

Computer programme or software is set of instructions to computer to work in a desired manner with the help of available hardware resources.

## SOURCE CODE

- Instructions to computers are normally written by programmers in Programming Languages like – C, C++, Java etc.
- These instructions are readable by humans and referred as Source Code.
- To operate machines i.e. computers to understand this source code – it either permanently translated (compiled) or on-thefly translated (interpreted) into machine level codes.

## **OPEN SOURCE SOFTWARE**

Thus, Open Source Software is software for which the underlying programming code is also available to the users.

They may read it, make changes, and build new versions of the software incorporating their changes.

### ADVANTAGES OF OPEN SOURCE SOFTWARE'S

Lower software costs. Simplified license management. \*Lower hardware costs. **♦**Support. Escape vendor lock-in. **Cuality software**.

## DISADVANTAGES OF OPEN SOURCE SOFTWARE'S

Many libraries do not have the in-house expertise to support open source software.

Some libraries don't have the ability to train staff on the use of the new technologies.

The support we got for these software's are generally available through it's communities.

Although the open source software is mostly free, but hidden cost may applied on external support.

### FEATURE

- A full featured modern integrated library software (ILS).
   Award winning and free/Open-source Software.(no license fee).
- **OS independent any operating system. Linux**, Unix.
- Web-based Interface. We can integrate with our library website.
- Full MARC21 and UNIMARC
- Multilingual and multi-user support
- **\***Z39.50 server.

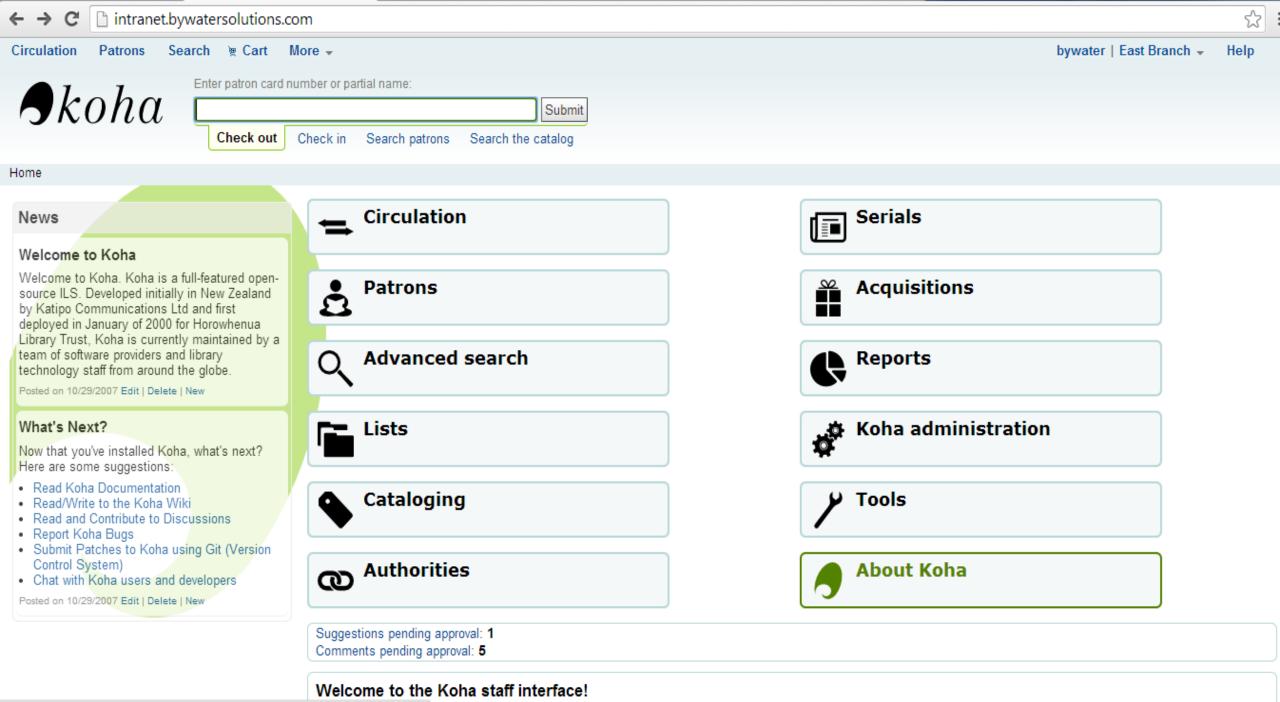
## SOFTWARE REQUIREMENT

- \* To install Koha for immediate use we recommend LAMP
- L-Linux server Debian is what most people use Operating System
- A Apache web server
- \* M MySQL (up to version 5.6) or Maria Database
- P- Perl Language

### HARDWARE REQUIREMENT

Processor - Pentium 4 , 2.4GHz or Higher speed.

Ram - Minimum 2 GB.
Hard disk – 80 GB
CD/DVD Driver.



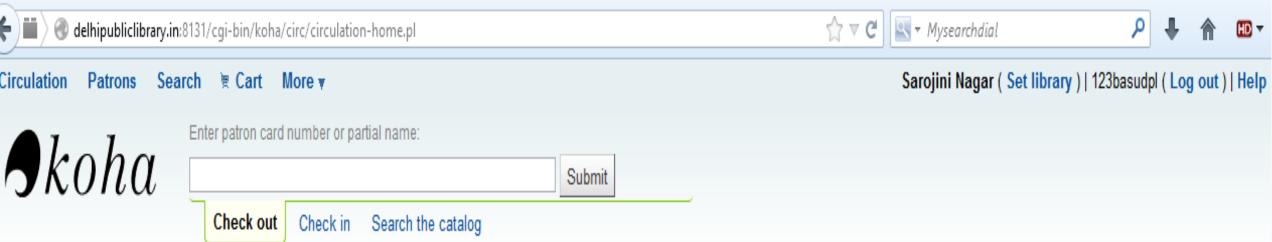
and links can be placed here

## CIRCULATION

The circulation system maintains up to date membership record and the latest status of the collection meant for circulation.

Checkout :- While issuing a book the respective user's last name or member card number is keyed in the place provided in circulation section. This takes to the issuing form which includes the item number box Check In: Check in of the book is known as Returns in Koha, if any issued book is returned on or after due date, the item number is keyed in, which provides the details about the book as well as the member information.

Overdue Notice: The over due notice are generated by having any document monograph, journals or documents on lone under ILL that maintain directly to members optionally, along with overdue titles may generated for the record of the library staff.



lome > Circulation

### Circulation

- · Check out
- Check in
- Transfer
- Set library

### Offline circulation

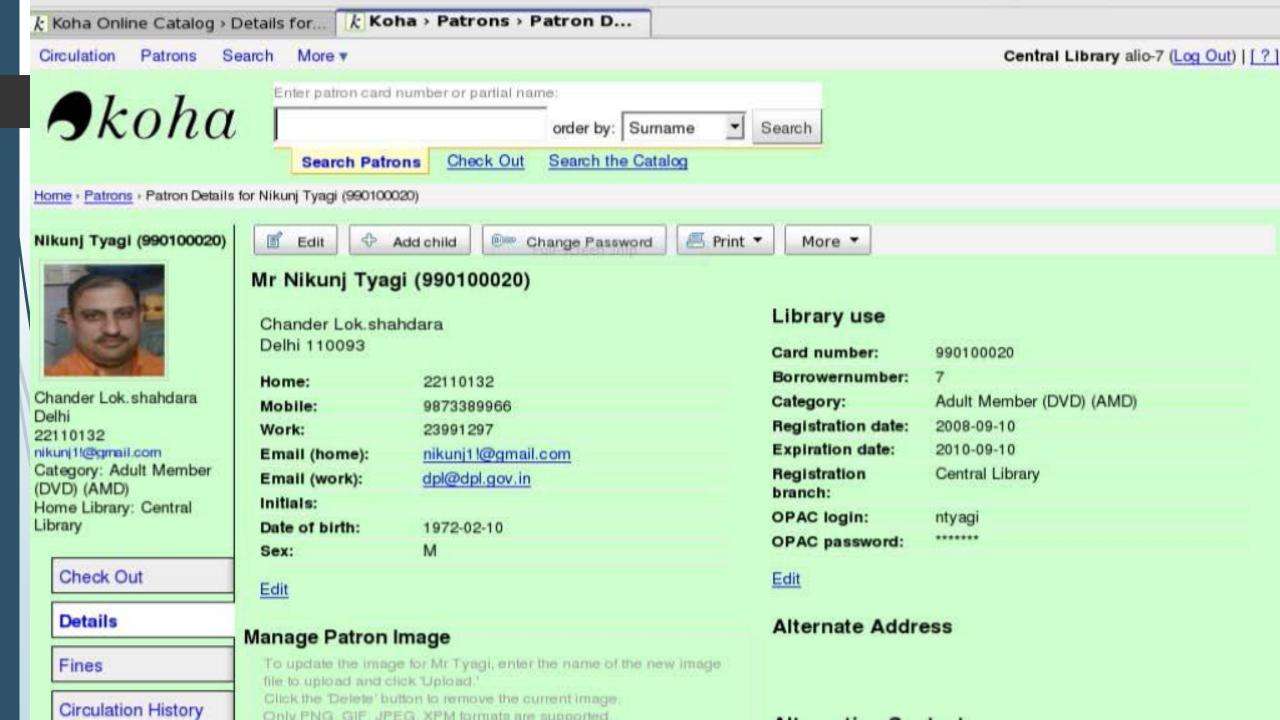
- · Offline circulation file (.koc) uploader
- Offline circulation (Firefox add-on)

### **Circulation Reports**

- Holds queue
- Holds to pull
- Holds awaiting pickup
- Hold ratios
- Transfers to receive
- Overdues Warning: This report is very resource intensive on systems with large numbers of overdue items.
- Overdues with fines Limited to your library. See report help for other details.

## PATRON

- Here the work patron is used for library readers.
- Under it new readers are given membership according to their category.
- The Patron module not only manages individual borrowers, but also institutions as patrons.
- Patron category is defined with the minimum and maximum ages for patron of the given category.
- Searching the patron's card number provides the details like financial standing of the patron, charges due, patron's reservations, and outstanding loans against the patron.



## **ADVANCE SEARCH**

# Sy this module we can search library's database

We can also search it by Boolean operators AND ,OR, NOT .

## LIST

This module is very helpful for both librarian and also readers.

\* By this we have a specific list of required material in the library

\* Like list of autobiography, biography etc

Koha new list form offers several options for creating list:

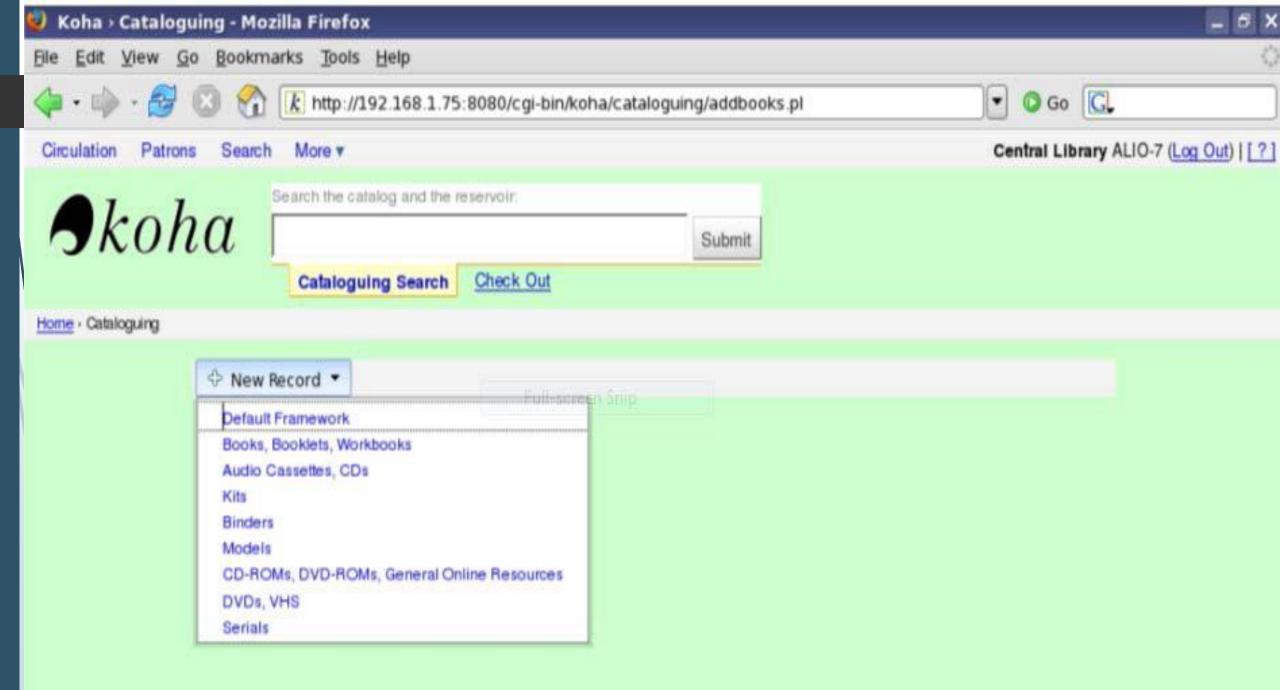
- Private list: Managed by the library staff and can be seen only by creator
- Public list: Managed by the Library staff and can be seen by everybody
- Open list: This can be managed by everybody and can be seen by everybody

## CATALOGUING

The main work of library is to do cataloguing of the given material of library so that it can be searched easily.

Ark framework is used in it. under it different tags are given we can fill information in different tags of our library.

Under it the facility of Z 39.50 protocol is given by it's help we can find the database of other library and if needed we can also import it in our database.



## AUTHORITY

This module is used for vocabulary control and to manage the authority file of MARC record.

Under it the authority file of subject term , place , writer and sub title is available.

### Circulation Patrons Search 🖷 Cart More 🚽

Skoha	Enter authorized heading:   Default <ul> <li>contains</li> <li>Search main heading</li> <li>Search all headings</li> <li>Keyword search</li> </ul>	Heading A-Z 🔻 Submit
Home - Authorities		
	► New authority - Q New from Z39.50	
	Chronological Term	
	Corporate Name	
	Default	
	Genre/Form Term	
	Geographic Name	
	Meeting Name	
	Personal Name	
	Topical Term	
	Uniform Title	

### SERIALS

The Serials module assists in managing serial subscriptions for journals, magazines, and newspapers.

\*Koha manages late issues, skipped issues, and claims with the suppliers.

Koha manages complex classifications, allowing the librarian to work with eleven different publication periods (from daily newspapers to annual publications), with delayed publications, and with publications out of sequence.

### Add a new subscription

Subscription details				
Subscription #				
Librarian:	nce			
Vendor:		ć		>
	Search for	a vendor		
Biblio:	1383	( Comput	ers%20in%20lib	ra) Required
	Search for	Biblio   Creat	e Biblio	
0	create an	item record	when receiving	this serial
0				ceiving this serial
Location:	Reference	ce	\$	
Call Number:	MAG		12	
Library:	Centervi	lle		(select a library)
Grace period:	15		day(s)	
Public note:	Combined Jul/Aug.	Issue in Dec	Jan and	
Nonpublic note:		because then ec/Jan and Ju	e is a combined	
		patrons on the	routing list will be	a notified when new
	re received.			
		ublic Display		
~	lumber of i	ssues to disp	play to staff: 10	
N	lumber of i	ssues to disp	play to the publ	ic: 3
Note:				
The subscription mus	st be associ	ated with a bi	bliographic recor	d.
You have to select a v	vendor if yo	u wish to gene	erate claims.	

## ACQUISITIONS

- Simple acquisitions:- Simple acquisitions module makes it possible to acquire materials and add them directly to the catalogue. It does not manage budgetary matters, the orders placed with the suppliers, etc.
- Full Acquisitions: The full acquisitions module makes it possible to manage: Budgets and book funds: Budget available, Committed, Spent Suppliers. Orders, via 'shopping baskets.

🔮 Koha - Acquisitions - N	1ozilla Firefox							- 8
	rmarks Tools Help							
🤹 • 🕪 • 🚳 🔞 🦿	http://192.168.1.75:8080/cgi-bin/koha/acqui/acqui	nome.pl			00	io (GL		
Circulation Patrons Sea	rch More <del>v</del>			Cer	tral Lit	arary AL	10-7 (Log Ou	01[2]
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Manage suggestions     Funds and Budgets	Acquisitions							
	Start, receive, or modify any order		and B	udgets				
	Vendor: Search	[ Manage But	igets	Total	Spent	Comtd	Avail	
		Children	Materials	5000.00	0.00	0.00	5000.00	
	Pending suggestions	General 1		20000.00	0.00	0.00	20000.00	
	No suggestions waiting	to be derived by the best of the second	e Materials otal	5000.00 30000.00	0.00	0.00	5000.00 30000.00	
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		EUR	0.87400	Sa	vo			
		GBP	1.99290	Sa	ve			

### REPORT

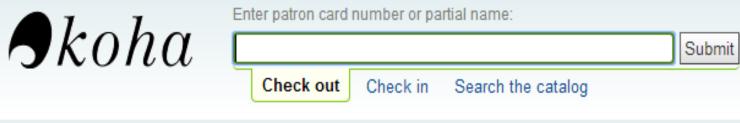
Report module is very important feature in koha.

 Report is used to find the information about Patrons, cataloguing &most circulate item

Different type of report like report relating to cataloguing, report related to readers, report related to circulation etc are made to make work more easier.



Circulation Patrons Search 👳 Cart More 🗸



Home > Reports

### Reports

### **Guided reports**

- · Guided reports wizard
- Build new
- Use saved
- Create from SQL

### Reports dictionary

View dictionary

### Statistics wizards

- Acquisitions
- Patrons
- Catalog
- Circulation
- Serials
- Holds

### Top lists

- · Patrons checking out the most
- Most-circulated items

### Inactive

- · Patrons who haven't checked out
- Items with no checkouts

### Other

- · Items lost
- · Catalog by item type
- Average loan time
- Koha database schema
- · Koha reports library

## **ADMINISTRATION**

\*Koha administration module allows setting the preferences and various parameters to work in Koha. These preferences are for the system setup which defines the working of the koha.

### Koha administration

#### Global system preferences

Manage global system preferences like MARC flavor, date format, administrator email, and templates.

Search

#### **Basic parameters**

#### Libraries and groups

Define libraries and groups.

Item types

Define item types used for circulation rules. Configure these parameters in the order they appear.

Hint:

#### Authorized values

Define categories and authorized values for them.

#### Patrons and circulation

#### Patron categories

Define patron categories.

#### Circulation and fines rules

Define circulation and fines rules for combinations of libraries, patron categories, and item types

#### Patron attribute types

Define extended attributes (identifiers and statistical categories) for patron records

#### Library transfer limits

Limit the ability to transfer items between libraries based on the library sending, the library receiving, and the item type involved. These rules only go into effect if the preference UseBranchTransferLimits is set to ON.

#### Transport cost matrix

Define transport costs between branches

#### Item circulation alerts

Define rules for check-in and checkout notifications for combinations of libraries, patron categories, and item types

#### Cities and towns

Define cities and towns that your patrons live in.

#### Road types

Define road types (street, avenue, way, etc.). Road types display as authorized values when adding/editing patrons and can be used in geographic statistics.

#### Catalog

#### MARC bibliographic framework

Create and manage Bibliographic frameworks that define the characteristics of your MARC Records (field and subfield definitions) as well as templates for the MARC editor.

#### Koha to MARC mapping

Define the mapping between the Koha transactional database (SQL) and the MARC Bibliographic records. Note that the mapping can be defined through MARC Bibliographic Framework. This tool is just a shortcut to speed up linkage.

#### Keywords to MARC mapping

Define the mapping between keywords and MARC fields, those keywords are used to find some datas independently of the framework.

#### MARC Bibliographic framework test

Checks the MARC structure. If you change your MARC Bibliographic framework it's recommended that you run this tool to test for errors in your definition.

#### Authority types

Create and manage Authorities frameworks that define the characteristics of your MARC Records (field and subfield definitions).

#### Classification sources

Define classification sources (i.e., call number schemes) used by your collection. Also define filing rules used for sorting call numbers.

#### Record matching rules

Manage rules for automatically matching MARC records during record imports.

#### OAI sets configuration

Manage OAI Sets

#### Acquisition parameters

#### Currencies and exchange rates

Define currencies and exchange rates used for acquisitions.

#### Budgets

Define your budgets

#### Funds

Define funds within your budgets

#### Additional parameters

#### Z39.50 client targets

Define which servers to query for MARC data in the integrated Z39.50 client.

#### Did you mean?

Choose which plugins to use to suggest searches to patrons and staff.

## TOOLS

Koha provides three catagories of tools relating to Patrons and Circulation; Catalog tools and additional tools. These tools are alterative for the Koha Reports.

Patrons and Circulation Tools

Catalog Tools

Additional tools includes

## **ABOUT KOHA**

Under it the information of - version of koha, mysql version, apache version, and zebra version and perl module, koha team, license and in how many languages koha is available the whole information is given.

### OPAC

Solution Control Co

- It allows the OPAC users to search with the fields like Keyword, Subject Title, Class, Barcode, Author, Publisher, ISBN, Series etc;
- OPAC refines the searches made on Availability of the Resource, Authors, Libraries, Item Types, Location, Series, Topics and others;
- Allows the OPAC users who are logged in as members to reserve library items for future issue;
- Bibilio basket: members can select the item and can add to the cart; and
- \* Allows to add the tag and save to lists of the member.

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🛱 Cart 📑 Lists			Log in to your ac
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http://www.powershow.com/view1/1db7c7-ZDc1Z/Koha Open Source ILS powerpoint ppt pr esentation

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# THANK YOU