KOHA IMPLEMENTATION PROJECTS
An Experience From Pakistan

Sequence of Presentation

» Pakistan the land of pure
» Introductions / purpose / findings
» status of FOSS adoption in Pakistan
» Successful Projects of Koha & Koha integration with RFID
» Organizations which are supported in adoptions of Koha in Pakistan
» Display of new arrivals integrated with database through jQuery
» Wordpress integration with koha through plugin development
» Contributed as lead trainer on OSS for LIS community Pakistan
» Q&A
Pakistan is the Land of Pure

- Located in South Asia
- Created on August 14, 1947
- 7th Largest Army
- 6th Unclear Country
- Population 170 million people
- More than 150 Universities
- World largest Ambulance network (EDHI foundations)
- The land of Ancient Civilizations
- Second Highest Peak of the world K2
INTRODUCTIONS

Purpose:

The purpose of this presentations is to explain about the Koha Projects in Pakistan which are successfully implemented in various libraries i.e. Universities, Colleges and School Libraries.

Methodology:

This present work is the author’s practical experiences of Koha (ILS) implementation within Pakistan.

Finding/Result:

This practical experience will find the best way for the others to implement Koha in their libraries.
STATUS OF FOSS ADOPTION IN PAKISTAN

- Most of the libraries in Pakistan using free LIMS, Commercial or In-house software.
- After 2008 the Open Source Software especially “Koha” and Dspace was introduced in the market.
- FOSS Movement is spreading slowly but steadily in Pakistan. A large numbers of training sessions, workshop were conducted in various organizations i.e. Govt and semi Government to introduced koha an open source Library Integrated Software.
STATUS OF FOSS ADOPTION IN PAKISTAN

- Due to the large numbers of training sessions on Koha, the situation is now being changed. The libraries i.e. Academic, Public and Colleges adopted “Koha” ILMS in their libraries.

- From 2012 to 2016 we organized a large numbers of training/workshop. The efforts were made to make the koha easy for all those Librarian who have no knowledge of Linux and other computer applications.

- A custom Live DVD of “Koha and Dspace has been made by the FullStack team for those Librarian who have problems in adoptions Koha in there libraries.

- We also create a Facebook page( Koha ILS and Dspace IR Community Pakistan, E-mail Groups in order to address all trouble shooting, problems, and best experience.
1st Successful Projects of Koha- Pakistan

University of Malakand: http://www.uom.edu.pk/

- Public Sector University, Established in 2001
- Installed, Configure the latest version of Koha
- Trained the library staff
- Integrate the Koha with RFID which was the 1st Experience in Pakistan.
2<sup>nd</sup> Successful Projects of **KOHA- PAKISTAN**

  - Established in 2000 by Pakistan
  - Navy, 15000 + Students, 7 Campuses
  - Convert 60000 records from Access based LIMS to MARC and Import into Koha
  - Import 15000 patrons data
  - Integrate 07 Libraries which are located across the countries i.e Lahore, Islamabad and Karachi
  - Design and developed the User Interface
3rd Successful Projects of Koha- Pakistan

» Garrison Cadet College Kohat:

» Founded 1990, Management under Pakistan Army.
» Install Koha and Dspace
» Configure Koha through LAN
» Import all the data of books (32000) and Patrons
» Design the User Interface
» Trained the Library Staff
4th Successful Projects of Koha- Pakistan

» **Higher Educations Commission Library:** [www.hec.gov.pk](http://www.hec.gov.pk)

» Established in 1947 as UGC Current form since 2002.

» Install latest version of koha and migrate all the data from old systems to the newly install koha Library Database

» Configure Koha through LAN

» Trained the library Staff

» The system can access through LAN
5th Successful Projects of Koha - Pakistan

The Islamia College University Peshawar:

» Web Link: http://202.83.169.9/
» Established in 1913 the oldest institution of Pakistan
» Install latest version of koha and migrate all the data from old systems to the newly install koha Library Database
» Configure Koha through LAN and WAN
» Trained the library Staff
6th Successful Projects of **Koha- Pakistan**

» **Pakistan Institute for Parliamentary Services (PIPS):**


» Established in 2008

» Provide training to Senators, Member of National Assembly of Pakistan

» Install latest version of koha and migrate all the data from old systems to the newly install koha Library Database

» Configure Koha through LAN and WAN

» Trained the library Staff
7th Successful Projects of Koha- Pakistan

SINDH MADRESSATUL ISLAM UNIVERSITY (SMIU):

» Koha OPAC Web Link: http://lis.smiu.edu.pk/
» It is one of the oldest institutions in South Asia, which started as a school in 1885
» Quaid-e-Azam Muhammad Ali Jinnah got enrolled in the institution and studied here for the longest period of his academic life, from 1887 to 1892.
» Data was migrated from Access to Koha
» 30000 + books records and 3000 patrons were imported to the newly installed koha
» Configure Koha through LAN and WAN
» Trained the library Staff
» New arrival patch has been activated which shows the books image, title and other information'
8th Successful Projects of Koha - Pakistan

Quaid-e-Awam University of Engineering, Science and Technology (QUEST), Nawabshah SINDH

» Koha OPAC Web Link: http://121.52.154.101/cgi-bin/koha/opac-main.pl
» Data was migrated from Access Database to Koha
» 85000 + books records and 6000 patrons were imported to the newly installed koha
» Configure Koha through LAN and WAN
» Trained the library Staff
9th Successful Projects of **Koha- Pakistan**

“Lawrence College Murree Pakistan”

- Library weblink: [http://library.lawrencecollege.edu.pk/](http://library.lawrencecollege.edu.pk/)
- **Founded 1859 by Lt. Col. Alexander William Lawrence**
- Data was migrated from Access Database to Koha
- 20000 + books records and 2000 patrons were imported to the newly installed koha
- Configure Koha through LAN and WAN
- Trained the library Staff
10th Successful Projects of Koha- Pakistan

“Lahore High Court Rawalpindi Bench”

» This is the Bech of Lahore High Court for Rawalpindi District
» Data was migrated from Access Database to Koha
» 20000 + books records and 2000 patrons were imported to the newly installed koha
» Configure Koha through LAN and WAN
» Trained the library Staff.
11th Successful Projects of Koha- Pakistan

The Agriculture University Peshawar (AUP)

» Koha OPAC Web Link: http://121.52.146.89/.
» Established in 1981.
» The Biggest library of Khyber PakhtoonKhwa Province Pakistan.
» Data was migrated from INMAGIC.
» 150000 + books records and 8000 patrons were imported to the newly installed koha.
» Integrate the koha with RFID.
» Configure Koha through LAN and WAN.
» Trained the library Staff.
Koha Integration with RFID at AUP

» 1st we n installed MySQL Workbench at the system from where we need to need the connection with MySQL

» From the Koha Server do the following steps. (sudo vi /etc/mysql/my.cnf)

» We need to comment out the bind-address and skip-external-locking lines:

» #bind-address = 127.0.0.1

» # skip-external-locking
Koha Integration with RFID

After making these changes, we need to restart the mysql service:

```
sudo service mysql restart
```
Grant permission to root from any host:

```bash
mysql -u root -p
GRANT ALL PRIVILEGES ON *.* TO root@'%' IDENTIFIED BY 'password';
FLUSH PRIVILEGES;
```
Koha Integration with RFID

```
$ mysql -u root -p
Enter password:
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 44
Server version: 5.5.38-0ubuntu0.14.04.1 (Ubuntu)
Copyright (c) 2000, 2014, Oracle and/or its affiliates. All rights reserved.
m.mysql> GRANT ALL PRIVILEGES ON *.* TO root@'%' IDENTIFIED BY 'password';
Query OK, 0 rows affected (0.00 sec)
m.mysql> FLUSH Privileges;
Query OK, 0 rows affected (0.00 sec)
m.mysql>
```
Koha Integration with RFID

Now you can connect with mysql server on Ubuntu from your remote machine:
Koha Integration with RFID
Koha Integration with RFID
Koha Integration with RFID

» Enter Server IP where Koha is installed.

» Enter Database name as “koha_library”.

» Enter Username as “root”

» Enter Password for root User in the Password box.

» After entering these settings click on Check Server button to check the connectivity with the server using these settings.

» If server connected successfully message appear, click on Save Button to save these settings and Exit.

» Now the Windows Client is ready to work with KOHA and RFID Reader.

» You can tag the books with the rfid tags by selecting the Tagging option from the Patch.
Koha Integration with RFID
Organizations which was supported in adoptions of Koha in Pakistan

- Government College University Lahore
- The University of Karachi
- The University of Peshawar
- National University of Science and Technology NUST
- Banu Medical College
- Khalifa Gul Nawaz Medical College Banu
- Pakistan Arts Council Islamabad
- Hamdard University Karachi and Islamabad
Display of New arrivals integrated with Database through Jquery
» Login to your KOHA Account on your Library website directly “No need to Open Koha Every Time”.

» Display New Arrival Books on your Library Web Page

» Search the books through Keywords, titles, ISBN, Subject, Title or call number on your library website.
Contributed as Lead Trainer on OSS for LIS Community Pakistan

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<thead>
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THANK YOU FOR YOUR ATTENTION
ANY QUESTIONS?

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