

HOW TO INSTALL OPENBIBLIO ON WINDOWS

OpenBiblio Version: 0.6.0

Operating system: Windows XP

PHP version: 5.1.2

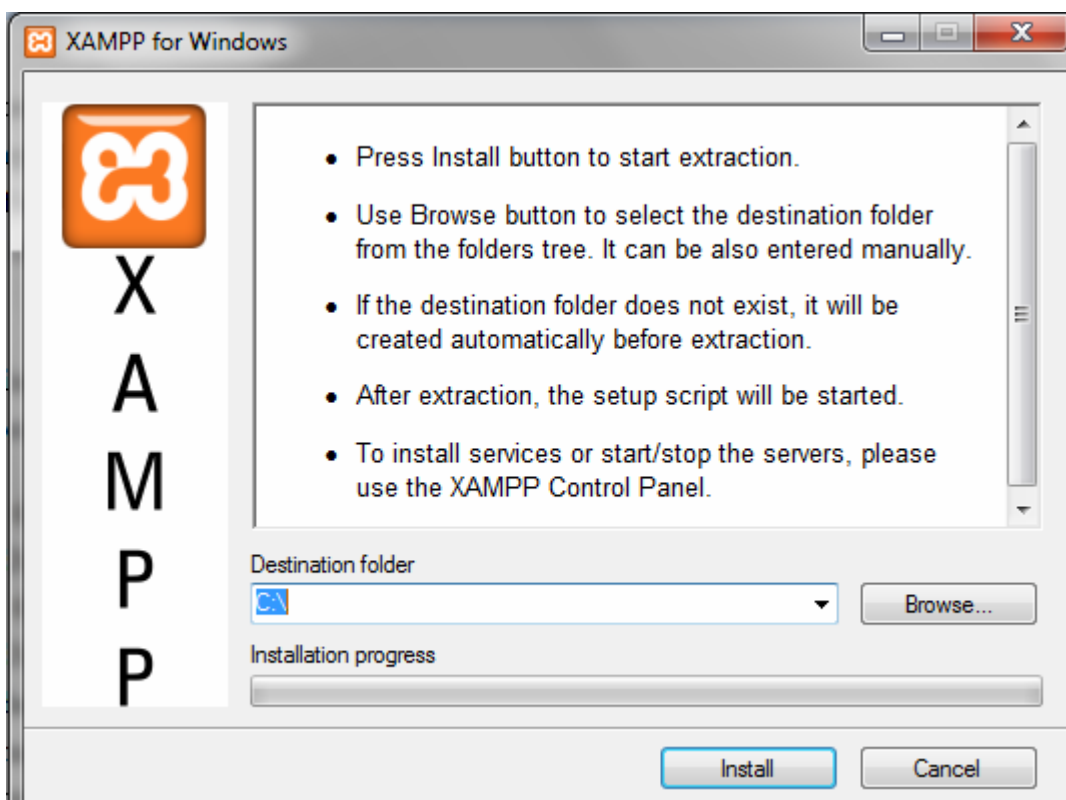
Web server: lighttpd/1.4.8

MySql version: 5.0.22

Web browser: FireFox or IE

Installation steps

The shortest and most efficient way to install the system is to install **xampp-win32-1.7.3** on the **c:** drive of your computer (or server), with preinstalled **MySQL Apache** and **PHP**. The latest version is available for the download at this address: <http://www.apachefriends.org/en/xampp-windows.html>. The installation process is very simple and the user just needs to download the installer and run it.



After XAMPP installation 'Should I locate the XAMPP patches correctly?' will be displayed and you should answer 'y', and to the next question 'Should I proceed?' you should answer 'y' (or press Enter),



```
#####
# XAMPP 1.7.3 - Setup
#-----
# Copyright 2009 Carsten Wiedmann (FreeBSD License)
#-----
# Authors: Carsten Wiedmann <carsten_sttgt@gmx.de>
#           Kay Vogelgesang <kvo@apachefriends.org>
#####

Should I locate the XAMPP paths correctly?

Should I proceed? (y/x=exit setup): y
```

```
#####
# XAMPP 1.7.3 - Setup
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#           Kay Vogelgesang <kvo@apachefriends.org>
#####

Should I make a portable XAMPP without drive letters?

NOTE: - You should use drive letters, if you want use services.
      - With USB sticks you must not use drive letters.

Your choice? (y/n): n
```

To the question 'Your choice (y/n): n' you should answer 'n' or press 'Enter'.

```
Should I make a portable XAMPP without drive letters?

NOTE: - You should use drive letters, if you want use services.
      - With USB sticks you must not use drive letters.

Your choice? (y/n): n

relocating XAMPP...
relocate XAMPP base package
relocate Apache
relocate FileZilla FTP Server
relocate Mercury
relocate MySQL
relocate OpenSSL
relocate Perl
relocate PHP
relocate phpMyAdmin
relocate Sendmail
relocate Webalizer
relocate XAMPP Demopage
relocating XAMPP successful.

XAMPP is ready to use.

Press <Return> to continue:
```

After all these steps XAMPP will be installed on the c: drive, and XAMPP icon will be set up on the desktop.

The system will generate XAMPP activation menu, and if you will enter 1, XAMPP will be activated immediately.

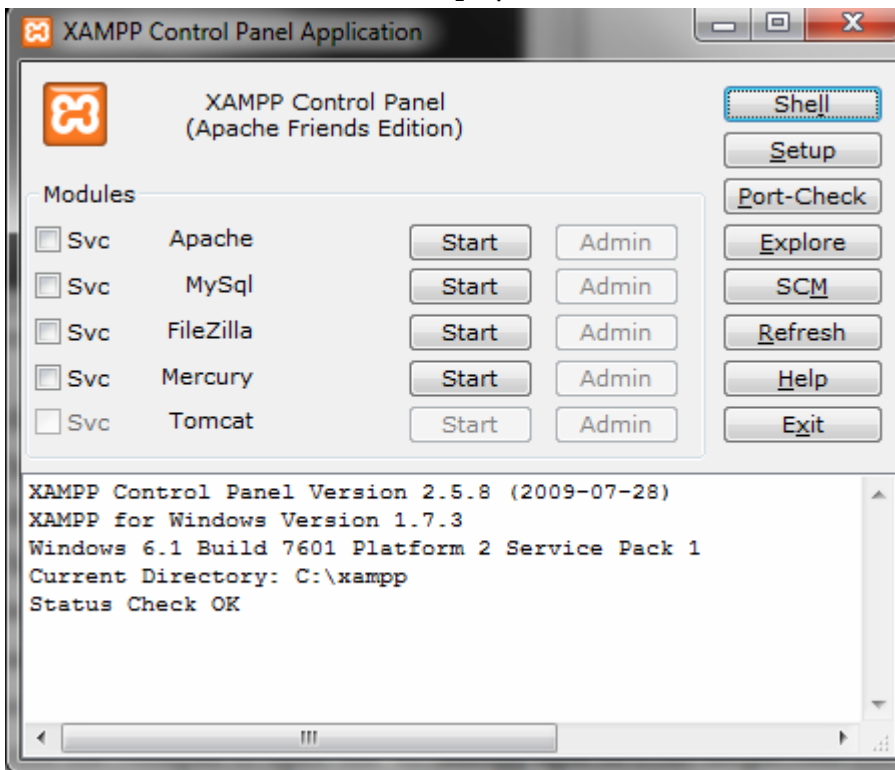
```
#####
# XAMPP 1.7.3 - Setup                                     #
#-----#
# Copyright 2009 Carsten Wiedmann (FreeBSD License)     #
#-----#
# Authors: Carsten Wiedmann <carsten_sttgt@gmx.de>     #
#           Kay Vogelgesang <kvo@apachefriends.org>     #
#####

1. start XAMPP Control Panel
2. relocate XAMPP
   <current path: C:\xampp>
3. disable HTTPS (SSL)
4. disable Server Side Includes (SSI)
5. enable IPv4 only (current: IPv4/6 (auto))
6. disable mod_perl
7. disable Apache::ASP

x Exit

Please choose <1-7/x>:
```

XAMPP Control Panel will be displayed.



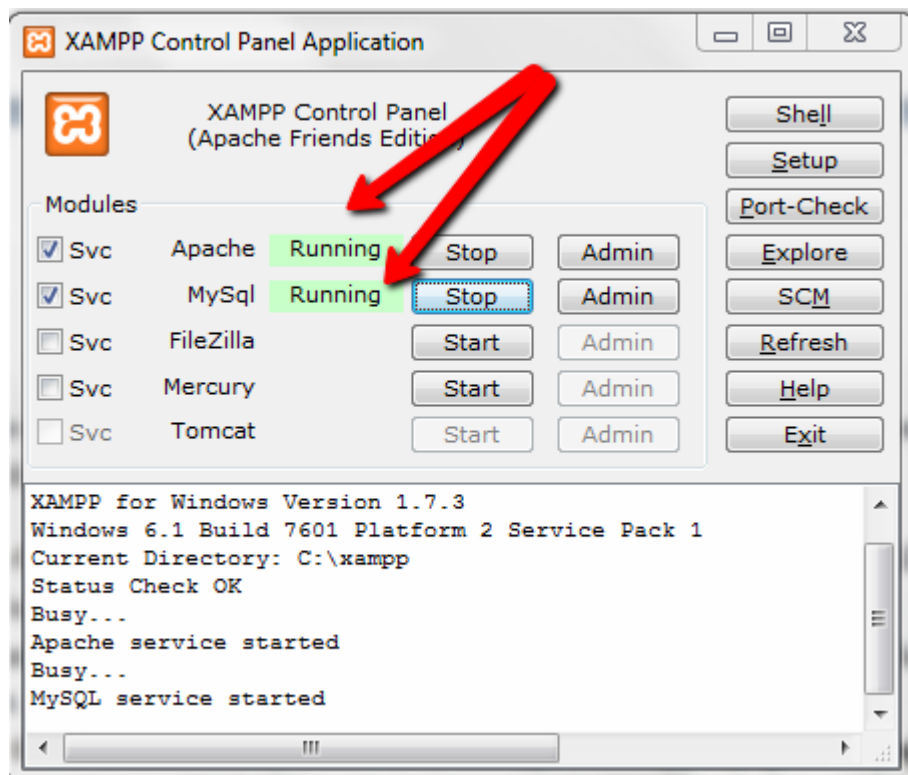
After the **xampp** is installed, it is the time to integrate it with OpenBiblio. For this to be done it is necessary to perform some steps.

- 1) Copy the **openbiblio** folder from the **Openbiblio\database** source and paste it into the **C:\xampp\mysql\data** destination.
- 2) Copy the **openbiblio** folder from the **Openbiblio\ distrib** source and paste it into the **C:\xampp\htdocs** destination.

- 3) Use the Notepad to open the `C:\xampp\php\php.ini` file, then, using the **Find** command find the following string `display_errors = On`. The next step is to replace the value `On` with `Off` and **save** the modifications:
- 4) Again use the Notepad to open the `C:\xampp\apache\conf\httpd.conf` file, find the `#Listen 0.0.0.0:80` string tool. Remove the `#` symbol and put the computers IP instead of `0.0.0.0`. Afterwards, save the modifications and close the file. This step is necessary to transform the computer into a web server, which is accessible from the other computers as well at `http://IPaddress/openbiblio` address. If Openbiblio is supposed to be deployed only on one computer, this step can be **simply skipped**.
- 5) Using **Notepad** open the file `C:\xampp\htdocs\openbiblio\database_constants.php` and find these strings.
 - `define("OBIB_USERNAME", "obiblio");`
 - `define("OBIB_PWD", "obiblio")`

change the `obiblio` into the username, for example `Tanzania`, and replace the second `obiblio` with a desired password, lets say to `Tanz123` ;

- 6) In the `C:\xampp` folder find and run `xampp-control.exe` file. A window will pop-out. For the **Apache** and **MySQL** choose the **Svc** option. This makes the programs to start automatically as the computer is turned on. Then press the **Start** button for both modules.

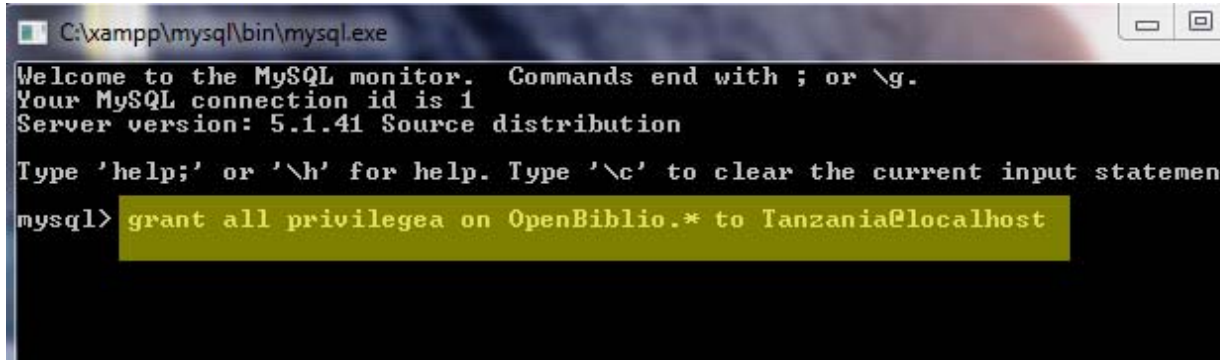


- 7) Enter (or copy/past from the string below) in the command line (by activating **Start->Run**) the command and type `c:\xampp\mysql\bin\mysql -uroot mysql`

string:

```
c:\xampp\mysql\bin\mysql -uroot r x
```

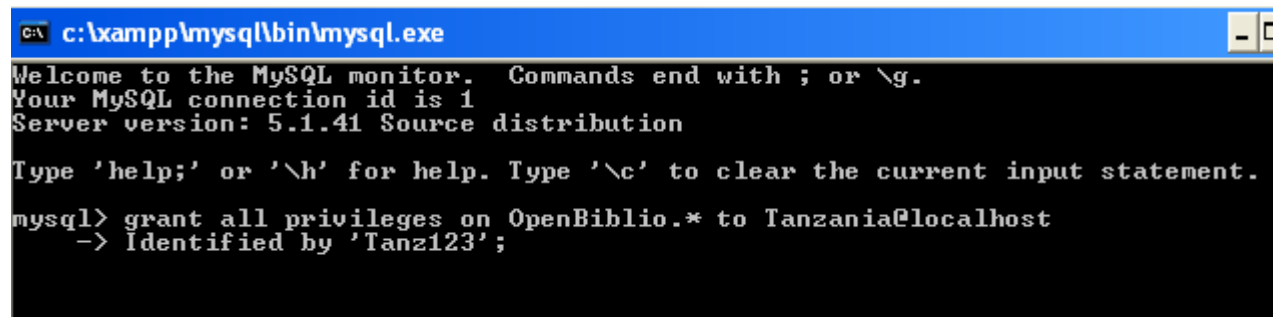
- 8) In the popped window type the following command. **grant all privileges on OpenBiblio.* to Tanzania@localhost**



```
C:\xampp\mysql\bin\mysql.exe
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 1
Server version: 5.1.41 Source distribution

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
mysql> grant all privilegea on OpenBiblio.* to Tanzania@localhost
```

- 9) Then press **Enter** and type from the new line. **Identified by "Tanz123";**. This command enables the **OpenBiblio** to connect to **Openbiblio** databases.

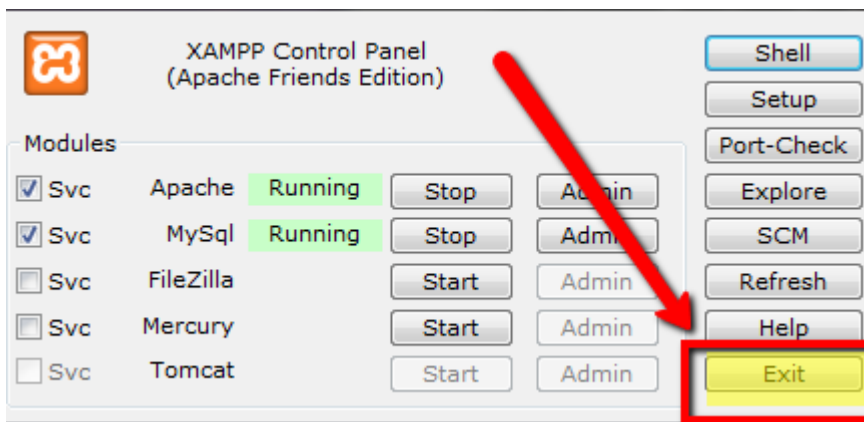


```
c:\xampp\mysql\bin\mysql.exe
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 1
Server version: 5.1.41 Source distribution

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
mysql> grant all privileges on OpenBiblio.* to Tanzania@localhost
-> Identified by 'Tanz123';
```

- 10) Type in the web-browser address bar <http://localhost/openbiblio/index.php> and the program will work. Press **Login** and then type **admin** in the User field and again **admin** in the password field. You will be granted administrator privileges.

If the program does not work, this means that something in the installation process went wrong. No problems. Just open the Xampp, stop Apache and MySQL, then close the program through **Exit button**. (**DO NOT** try to stop the program just by closing the window. It will close the window, but the program will still operate).



After this, you should delete the **xampp** from your hard disk. Find **C:\xampp** (or where you have installed it) and just delete the folder. Then, start the installation process again.

About the OpenBiblio

OpenBiblio is a simple to use library automation system, written in PHP. The program is presented in a user-friendly interface and is designed for small libraries. OpenBiblio enables to automate the library's circulation, cataloging and reporting functions, as well as manage the library's administration.

CIRCULATION

The **circulation** tab includes functions associated with library patrons' service. Particularly, it enables to search, add, edit and delete new patrons as well as retrieve information about the patrons' check outs and holds history. It is also possible to check in the bibliographies from this section.

The image shows a screenshot of the OpenBiblio web application. At the top, there's a navigation bar with tabs: Home, Circulation (selected), Cataloging, Admin, and Reports. On the left, there's a sidebar with a 'Logout' button and links for 'Member Search', 'New Member', 'Check In', and 'Help'. The main content area is titled 'Add New Member:' and contains a form with the following fields: Classification (set to 'Adult'), Card Number, Last Name, First Name, Email Address, Mailing Address, Home Phone, and Work Phone. At the bottom of the form are 'Submit' and 'Cancel' buttons.

There is a tool panel on the left side of the Circulation tab. The link New member opens a window which is designed to collect information about the patron. After filling the appropriate fields submit the data and the patron will be successfully added.

The screenshot displays a web-based library management system interface. At the top, there is a navigation bar with links: Home, Circulation, Cataloging, Admin, and Reports. On the left side, there is a vertical menu with options: Logout, Member Search, Member Info, Edit Info, Delete, Account, Checkout History, New Member, Check In, and Help. The main content area is divided into several sections:

- Member Information:** A form with fields for Name (JCA, JCA), Address, Card Number (123), Classification (Adult), Phone, and Email Address.
- Checkout Stats:** A table showing checkout counts and limits for different materials.

Material	Count	Limits	
		Checkout	Renewal
Book	0	20	0
Audio CD	0	10	0
Magazines	0	10	0
Maps	0	5	0
- Bibliography Check Out:** A section with a Barcode Number input field, a Search button, and a Check Out button.
- Bibliographies Currently Checked Out:** A section with a link to print checkouts and a table header: Checked Out Material Barcode Title Author Due Back Renewal Days Late. Below the header, it states "No bibliographies are currently checked out."
- Place Hold:** A section with a Barcode Number input field, a Search button, and a Place Hold button.
- Bibliographies Currently On Hold:** A section with a table header: Function Placed On Hold Material Barcode Title Author Status Due Back. Below the header, it states "No bibliographies are currently on hold."

The function member search enables the administrator to seek for a particular patron either by the Card number or the Last name. This feature allows the administrator to find exhaustive information about the patron, up to his/her check outs history and limitations. In addition, after the search it is possible to edit the patron's information and do transactions on his/her account.

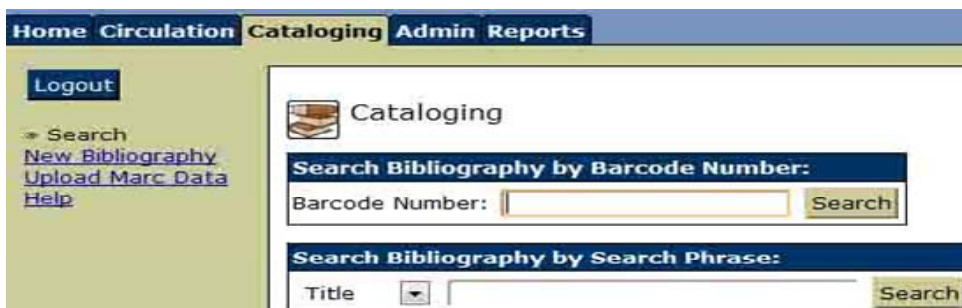


The check in tool is designed to report the patrons' check ins. This is done through typing the bibliography's barcode in the Barcode number field and then adding to Shelving card. If the entry is correct, in the section below, called Current Shelving Cart List, the Barcode, Title and Author of the bibliography will be reflected. Afterwards, the administrator can either select particular bibliographies or check them all in through appropriate orders.

Furthermore, from the Check in section it is possible to switch to the Online Public Access Catalogue (OPAC), which is intended to perform a search in the library's electronic catalogue by the bibliography's title, author's name and the subject. For this to be done it is necessary to choose the Search link right to the Barcode number field. Interestingly, search result page besides comprehensive information about the bibliography also contains additional links check in/out and hold. These links close the OPAC window and return the librarian to the bibliography check in page, simultaneously conveying the bibliography's barcode to the Barcode number field. This tool is very beneficial in terms of checking in the bibliography without initially knowing its barcode.

CATALOGING

The Cataloging tab contains tools to manage the bibliographic records and modify the existing database.



The first function on the left panel box is the Search engine which is designed to perform a search in the bibliographic records either by barcode, or the search phrase- title, author and subject.

The search opens a Results page that contains brief information about the material and its copies. To retrieve more exhaustive data as well as to edit, delete and add a new copy, the user needs to click on the title. There is an instrumental panel on the new page's left side which facilities functions to modify the bibliographic records (edit, delete) as well as to add new copies.



The first tool is called **Edit-Basic**. After choosing (**click the link**) it the user will be lead to the bibliography's record database where he/she can make the desired modifications. It is possible to cancel the changes by choosing the **Cancel** order at the end of the page. On the contrary, the **Submit** button implements the modifications.

The other tool, namely **New copy**, allows to generate copies for the given bibliography. The only step to do is to enter the Barcode (and additional description, if necessary). What is important, the **Autogenerate** tool allows the OpenBiblio to create the barcode automatically according to its internal algorithms. However, this option is somehow undesirable, because the internal algorithm may significantly differ from that of the library. This can result a very different barcodes for two bibliographies, such as 101 and 12656987.

The **Hold requests** section reflects the information about the hold requests on the given bibliography.

The Delete function is designed to delete the bibliographies from the database. However, it is possible to delete the bibliography only when its all copies are checked in and are not under a hold request.

The “**New Bibliography**” links opens a new page for creating new bibliographies. To do this the librarian must fill the appropriate MARC fields which reflect the bibliographic data. In addition, it is possible to label the bibliographies with specific topical or geographic terms. Afterwards, it will be possible to search the bibliographies in OPAC either through Author, Title or Subject (topical term).

“**Upload MARC data**” is a tool to upload MARC records into the library’s catalogue. In other words, this feature enables the librarian to benefit from his/her colleagues’ work. Check the **False** option and then indicate the MARC file directory in the **USMarc Input File** field. Then modify bibliographic specifications (Collection, type of material) and press **Upload the file**.

ADMIN

The **ADMIN** section is designed to manage the administrative and staff records, as well as modify the library settings and collections.

Add New Staff Member:	
Last Name:	<input type="text"/>
First Name:	<input type="text"/>
Login Username:	<input type="text"/>
Password:	<input type="password" value="admin"/>
Re-enter Password:	<input type="password"/>
Authorization:	<input type="checkbox"/> Circ <input type="checkbox"/> Update Member <input type="checkbox"/> Catalog <input type="checkbox"/> Admin <input type="checkbox"/> Reports
<input type="button" value="Submit"/> <input type="button" value="Cancel"/>	

In the “**Staff admin**” page the Administrator adds new staff members, deletes the old ones, or edits the existing data. To add a new member the Admin should click on the Add New Staff Member link. After filling in the appropriate data and granting the desired permissions (checkboxes in the tab bottom) in the opened tab, the Admin can either submit or cancel the input.

[Add New Staff Member](#)

Staff Members:

Function	Last Name:	First Name:	Login Username:	Authorization:						Suspended:
				Circ	Update	Member	Catalog	Admin	Reports	
edit pwd del	Root Administrator		admin	Yes	Yes		Yes	Yes	Yes	No
edit pwd del	Գրիգորյան	Տարև	tatev	Yes	No		Yes	No	No	No

In the middle of the Staff Admin page there is a list containing current library staff. It enables the Administrator to use the three links on the left side panel, namely, **edit**, **pwd** (this is for changing the password), **del** (delete), to make change in the list.

“**Library Settings**” section is a tool to edit electronic library’s information and some operative rules. Here, the Admin can modify the library **name**, **working hours**, **phone number**, **library image** (the address of the desired picture) and some other data.




Member Types page presents the patrons’ categories and enables either to edit or to delete them. It is also possible to add a new member classification. Similarly, **Members fields** tool allows to add new member field, by filling the desired code and fields description.

[Logout](#)

- [Admin Summary](#)
- [Staff Admin](#)
- [Library Settings](#)
- [Member Types](#)
- [Member Fields](#)
- » [Material Types](#)
- [Collections](#)
- [Checkout Privs](#)
- [Themes](#)
- [Help](#)

[Add New Material Type](#)

Material Types:

*Function	Description	Image File	Bibliography Count
edit del MARC Fields	Audio CD	 cd.gif	0
edit del MARC Fields	Book	 book.gif	16
edit del MARC Fields	Magazines	 mag.gif	2
edit del MARC Fields	Maps	 map.gif	0

Collections and Material Types contain information about the existing collections and material

types. The significant feature is that it is possible to see how many bibliographic records are in each category. This information is visible in the right column entitled **Bibliography count**. In addition, it is possible to edit and delete the existing categories as well as add new ones. **Edit** tool in the **Collection** page enables the administrator to assign different **late fees** for each collection.

«**Checkout privs**» section is supposed to determine check out or renewal privileges and limitations for various **patrons' groups** regarding different **material types**.

In the **Themes** section the librarian can change interface colors of electronic library.

REPORTS



The Reports tab is designed to extract information about the Cataloging and Circulation activities of the library. In the main page (**Report List**) there are two separate subsections, Cataloging and Circulation, which are supposed to present reports respectively on those activities.

The Copy search tool in the Cataloging subsection enables the administrator to retrieve data about the bibliographic copies of the database and then create labels for them. The link opens a new page which contains several fields to set up the search criteria. The “**Barcode starts with**” field requires information about the first digits of the searched copy, and the “**Newer than**” field approximately defines the data when the copy was created. The input format for the data is day/month/year. After the categories are submitted a new page pops out. It retrieves all copies satisfying the search criteria. In addition, two more functions will appear on the tool panel; **Labels** and **Print list**. They allow respectively to print labels and the list of the retrieved copies.

The **Circulation** subsection contains 5 different tools.

Balance Due Member List link allows gathering information about the patrons' account

balances.

Bibliography Checkout Listing tool provides data about the checked out bibliographies. It is possible to narrow the search scope by defining Due before and Out since dates.

The **Hold Requests Containing Member Contact Info** page draws a tab containing list of the existing holds on the bibliographic copies and the patrons' information.

Most Popular Bibliographies tool tells the administration which bibliographic copies are most popular in terms of the check outs.

And the last function is **Over Due Member List** tool which enables to find out the members who have over due check outs.

Translating (localizing) OpenBiblio

<http://obiblio.sourceforge.net/index.php/Main/TranslatingOpenBiblio>

To create a new translation, start with an installation of OpenBiblio in the language you're translating from. For examples in this how-to, I'll assume you're starting with English. First, you need to copy all of the files under C:\xampp\htdocs\openbiblio\locale\en to a new directory called C:\xampp\htdocs\openbiblio\locale\xx, where 'xx' is the code you want to use for your locale. There is no current standard for choosing these codes. In the future, we will probably use a lowercase language code followed by an underscore and an uppercase country code, e.g en_US, en_UK, de_DE. But right now most translations just use a lowercase, 2-letter county code. Once you have your new locale directory, you need to edit locale/xx/metadata.php and change 'English' to the name of your locale. From that point on, you should be able to select your new locale in OpenBiblio's admin section. For Armenian, this will look:

```
$lang_metadata = array(  
  
    "locale_description" => "Armenian"
```

Most of the work of the translation is translating the strings in the other php files under locale/xx. Essentially, each of the top-level directories in an OpenBiblio installation (admin, catalog, classes, etc.) has a corresponding translation file (locale/xx/admin.php, locale/xx/cataloging.php, locale/xx/classes.php, etc.) that contains the translation text for that part of OpenBiblio. Those files contain lines like this:

```
$trans["adminSubmit"]          = "\$text = 'Submit';";
```

The text in double-quotes on the left ("adminSubmit") is how OpenBiblio finds the translated message -- don't change it. The text in single quotes on the right ('Submit') is the translated message -- this is what you need to change.

For example:

```
$trans["catalogSubmit"] = "\$text = 'Հաստատել';";
```

```
$trans["catalogCancel"] = "\$text = 'Հրաժարվել';";
```

```
$trans["catalogRefresh"] = "\$text = 'Նորացնել';";
```

```
$trans["catalogDelete"] = "\$text = 'Չնջել';";
```

Once you are satisfied with your translation, and are ready to share it with the world, put the locale/xx directory into a zip, tar.gz, or tar.bz2 archive and post it to the [Patch Tracker](#).