

Installing Koha on Windows XP

For

MLIS Online

by

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0 Introduction

KOHA is an Integrated Library System with all the features that are required in day to day library management operations. The software is logically divided into modules based on the functions that are performed. The modules are **Cataloguing, Circulation, Serial Control** and **Acquisition**.

KOHA has the client server architecture. The software is installed on a server and can be accessed using any of the commonly used web browsers like *Internet Explorer* and *Mozilla Firefox*. It doesn't require any specially designed client to access the services on the server by the library staff and the library users. It can also interact with external databases from remote locations using network.

KOHA can be accessed using two interfaces. The *first* interface is the **Web OPAC**. It is for the library users. Depending on the network settings the OPAC can be made available locally or globally over the internet. The second interface is meant for the library staff. It needs login ID and password to access the services on the server securely. Different kind of users can be given different permissions depending on the kind of job he/she is supposed to perform.

KOHA requires **PERL** to run and uses Apache web server and MySQL database. So these are the prerequisites that are required on any server to install KOHA.

KOHA was developed for Linux platforms but is now available for Windows too. Installation on Windows is quite simple. All you need is the right versions of all the prerequisites applications. Here is how to install KOHA on windows.

1.1 Installing Apache

1.1.1 Download apache [httpd-2.2.17-win32-x86-openssl-0.9.8o.msi](http://httpd.apache.org/download.cgi#apache22) file from <http://httpd.apache.org/download.cgi#apache22>

Apache HTTP Server (httpd) 2.2.17 is the best available version 2010-10-19

The Apache HTTP Server Project is pleased to announce the release of Apache HTTP Server (httpd) version 2.2.17. This release represents fifteen years of innovation by the project, and is recommended over all previous releases!

For details see the [Official Announcement](#) and the [CHANGES 2.2](#) or condensed [CHANGES 2.2.17](#) lists

Add-in modules for Apache 1.3 or 2.0 are not compatible with Apache 2.2. If you are running third party add-in modules, you must obtain modules compiled or updated for Apache 2.2 from that third party, before you attempt to upgrade from these previous versions. Modules compiled for Apache 2.2 should continue to work for all 2.2.x releases.

- Unix Source: [httpd-2.2.17.tar.gz](#) [PGP] [MD5] [SHA1]
- Unix Source: [httpd-2.2.17.tar.bz2](#) [PGP] [MD5] [SHA1]
- Win32 Source: [httpd-2.2.17-win32-src.zip](#) [PGP] [MD5] [SHA1]
- Win32 Binary without crypto (no mod_ssl) (MSI Installer): [httpd-2.2.17-win32-x86-no_ssl.msi](#) [PGP] [MD5] [SHA1]
- Win32 Binary including OpenSSL 0.9.8o (MSI Installer): [httpd-2.2.17-win32-x86-openssl-0.9.8o.msi](#) [PGP] [MD5] [SHA1]
- [Other files](#)

Figure 1

Note: I have downloaded the latest OpenSSL version for Windows 32 and x86 machines. If you have some another version but the correct file (compatibility with window XP and your hardware) then there is no problem, it should work. But don't try a version less than Apache 2.

1.1.2 Installation: - Click on the downloaded file to start the installation.

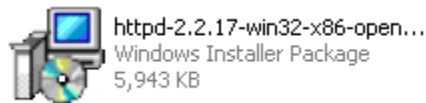


Figure 2

1.1.3 It will open a dialogue box, here Click on **Run**.

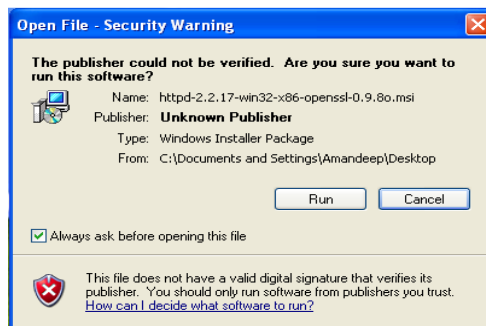


Figure 3

1.1.4 A pop up will open and close showing the installation progress,

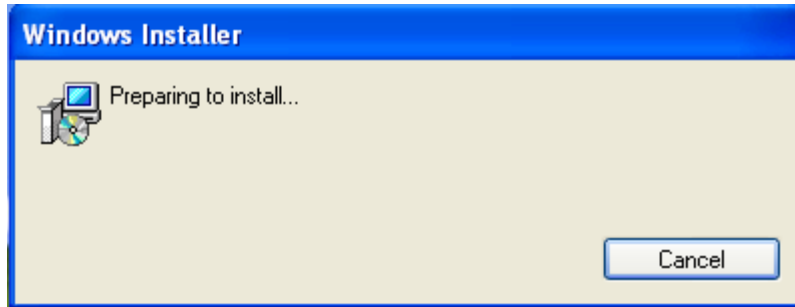


Figure 4

1.1.5 Installation Wizard window will open. Here click **Next**.

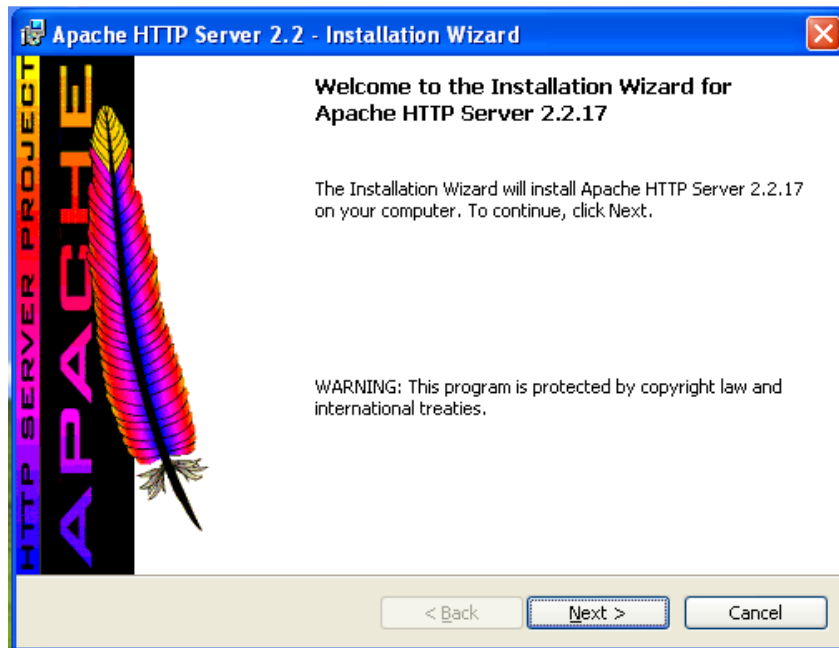
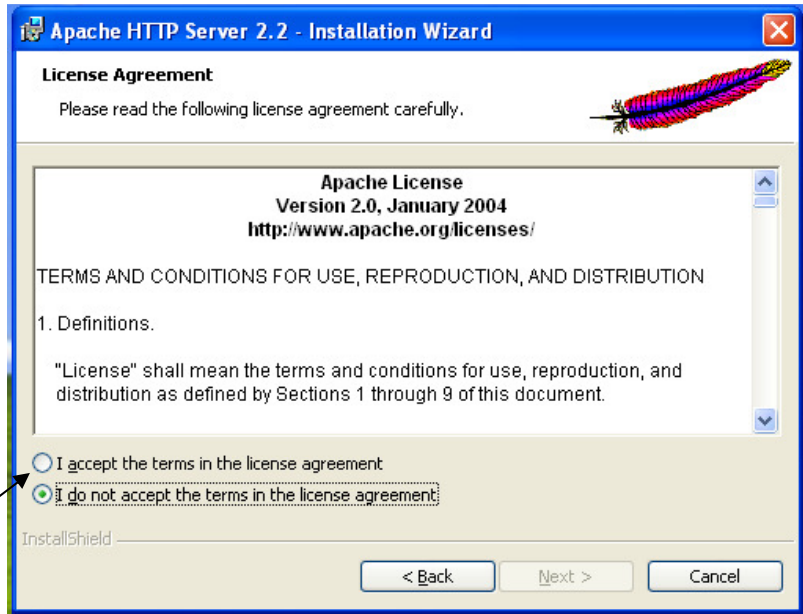


Figure 5

1.1.6 Installation will move on to the next screen. Select the radio button by clicking **I Accept the Terms in the License Agreement**.



Click to Accept the Terms of Use

Figure 6

1.1.7 Next screen will list the License Agreement terms. Click **Next**.

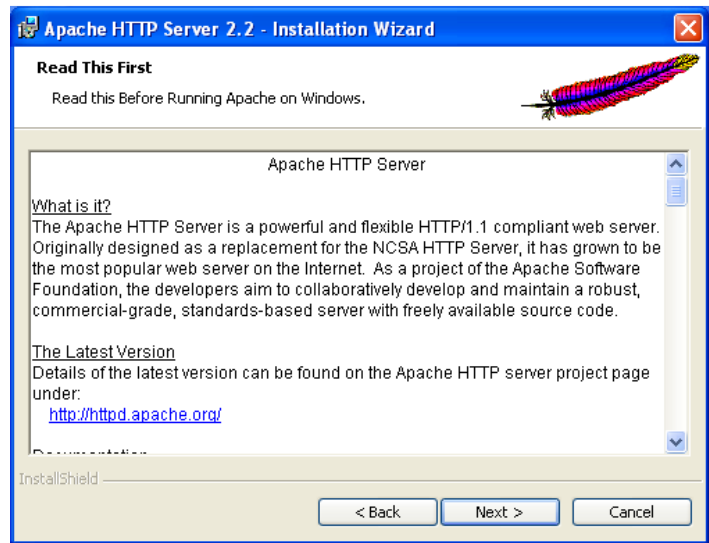


Figure 7

1.1.8 In the next dialogue box provide the information according to your settings or just make up something as under,

Network domain *localdomain*

Server Name *localhost*

Administrator's Email Address *<Your Email ID>*

Leave the rest of settings to as they are.

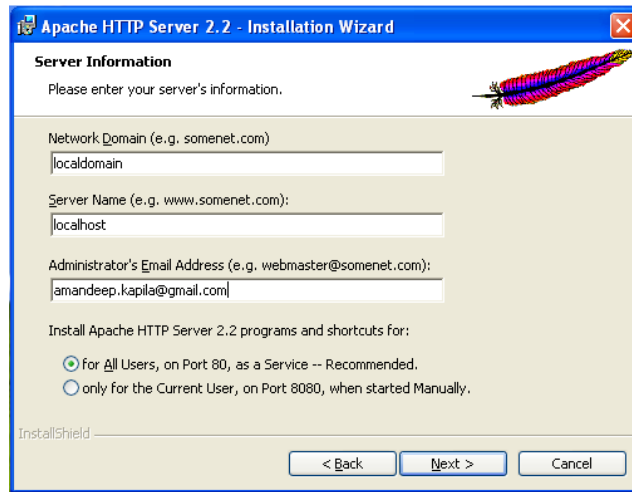


Figure 8

1.1.9 Keep the installation settings to the default of Typical in the next dialogue box and click next.

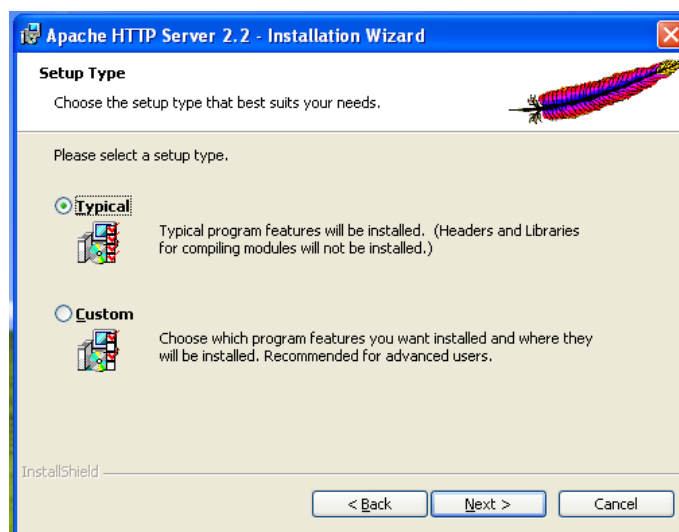


Figure 9

1.1.10 In the next window you can change the installation directory if you wish. Change it to Apache Group by clicking **Change** button. A new window will open up.

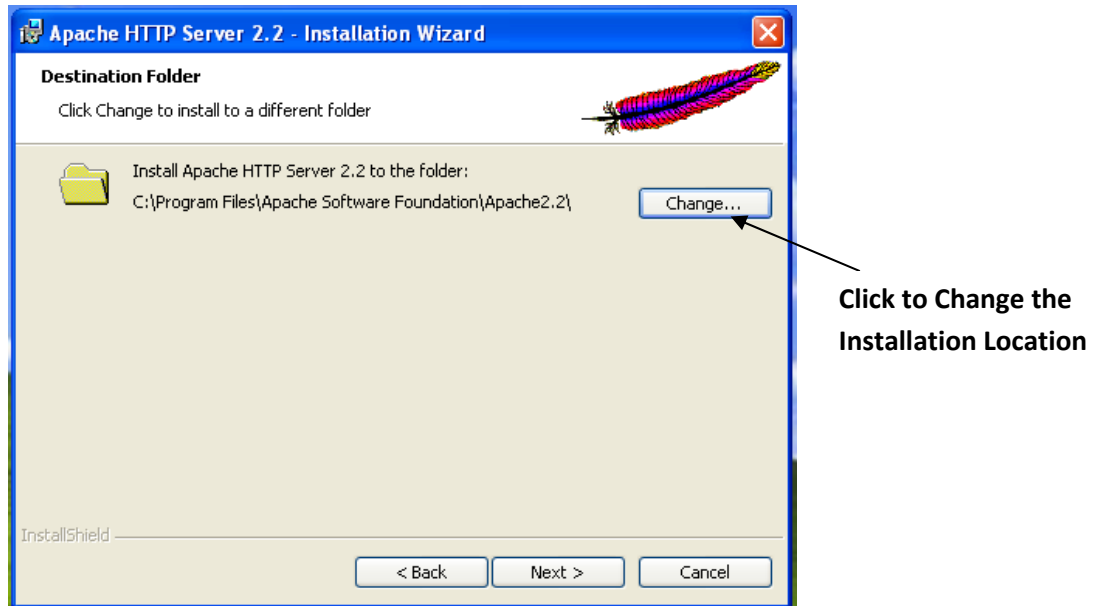


Figure 10

1.1.11 Change the installation location to **Apache Group**. Click **OK**.

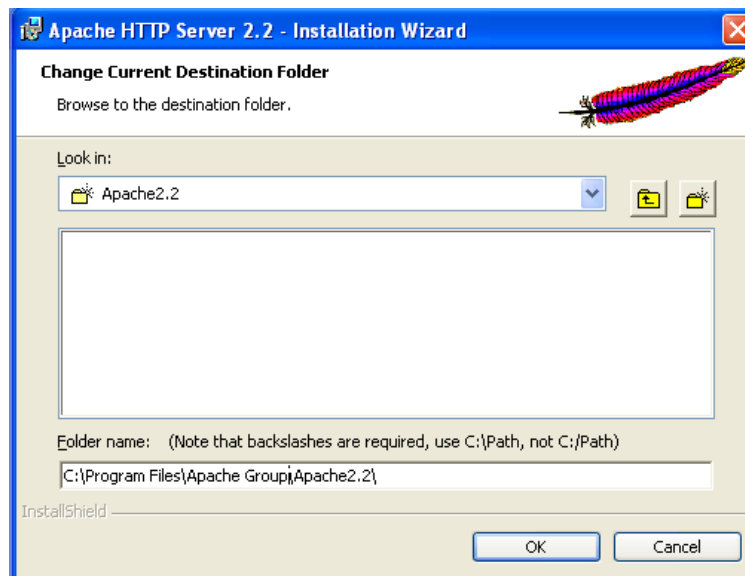


Figure 11

1.1.12 The dialogue box will close and we will return back to the previous box with the new installation location. Click Next.

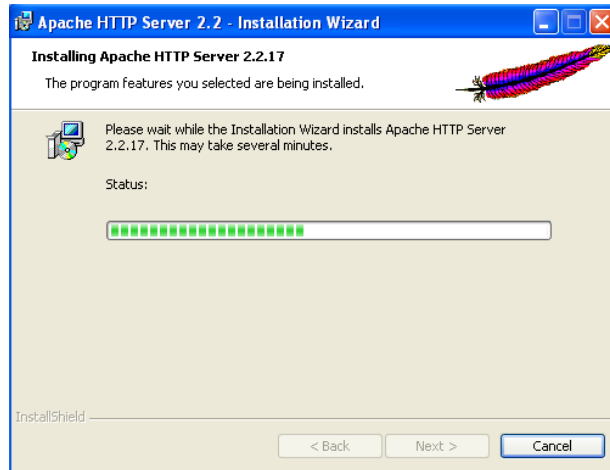



Figure 12

1.1.13 In the next window click **Install** and the installation process will start.

1.1.14 During the installation process the **DOS** window will open up showing that it is starting the apache service. If there is some problem then a message will be displayed here with probable reasons for the same.

Now Verify if the installation is successful by opening a web browser like Internet Explorer or Firefox and typing in the address bar <http://localhost> or <http://<Your IP>>. It should display a web page with text **It Works** in bold. Congrats your installation is successful.

1.1.15 You have a working *web server* on your machine. An **Apache Logo**  will appear in your system tray with Green mark on it showing that your web server service is running. You can click it to start, stop and restart it.

Before proceeding with the installation of other applications test your apache installation by *Stopping*, then *Starting* and then *Restarting* your web server to see if it works OK. Then restart you computer and check if apache starts automatically. It should.



Apache Logo

Figure 13

1.1.16 If it doesn't work then there was some problem with the installation. Uninstall it, delete the directory Apache Group from the C://Program Files/ and restart your machine. Reinstall apache again. Hope this time it will work.

1.2 Installing MySql

1.2.1 Download MySql file mysql-5.1.53-win32.msi from <http://dev.mysql.com/downloads/mysql/>

Note: In case you have some problem installing or configuring MySQL 5.1 try the older version MySQL 4. This seems to be more reliable on windows XP. The installation steps are the same.

1.2.2 Double Click on the downloaded file to initiate the installation process.

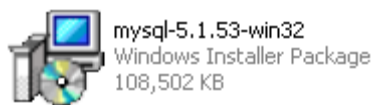


Figure 14

1.2.3 Security Warning dialogue box will open up. Click on **Run** to start the installation.



Figure 15

1.2.4 The Window Installer popup will appear, showing the progress.

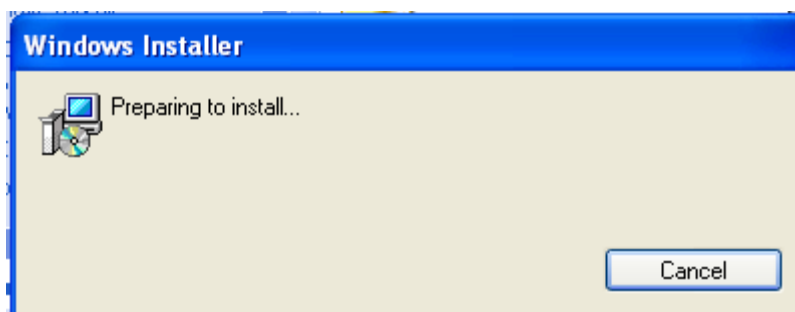


Figure 16

1.2.5 MySQL Setup Wizard dialogue box will open. Click here **Next**.



Figure 17

1.2.6 Next screen will ask for **Setup Type**. Three types are listed there but as per the koha documentation we should install it to C:\mysql folder which is not the default folder so we need to do a custom install. Choose **Custom** radio button and click **Next**.

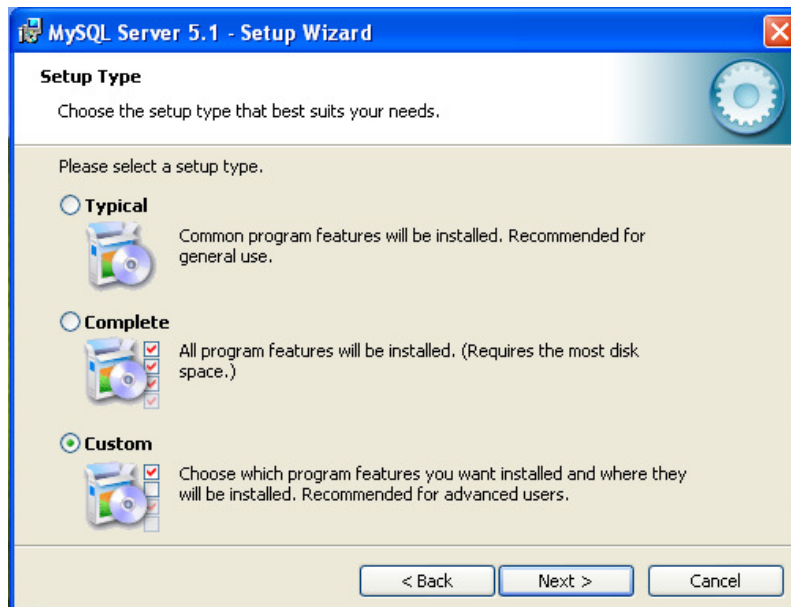


Figure 18

1.2.7 The next screen is the **Custom Setup** screen. Here change the installation destination directory by clicking on **Change...** button.

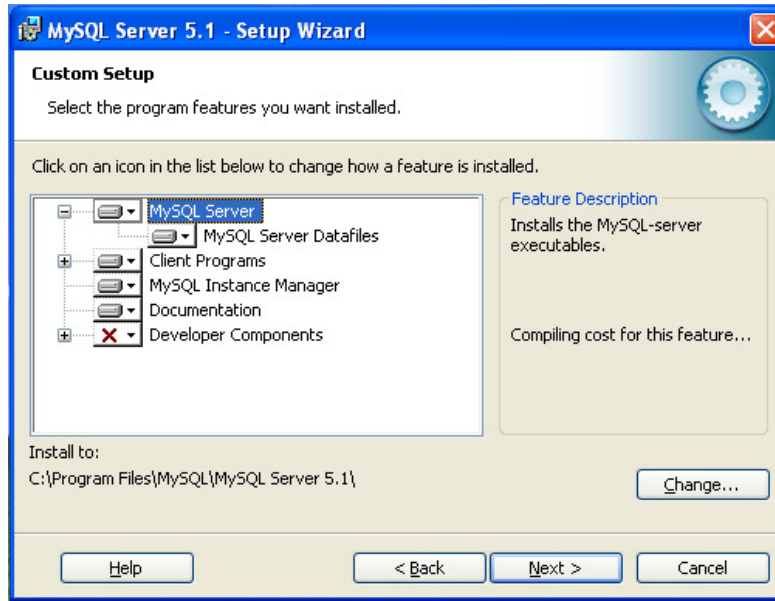


Figure 19

1.2.8 A dialogue box will open. Here change the installation location as **C:\mysql** and click **OK**.

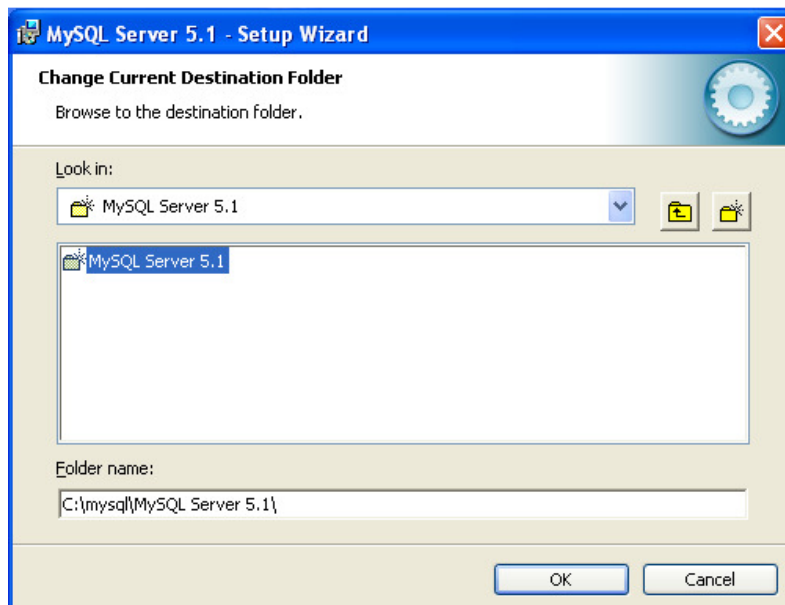


Figure 20

1.2.9 The installer will return back to **Setup Wizard** screen with new location as **Install To**. Click **Next**.

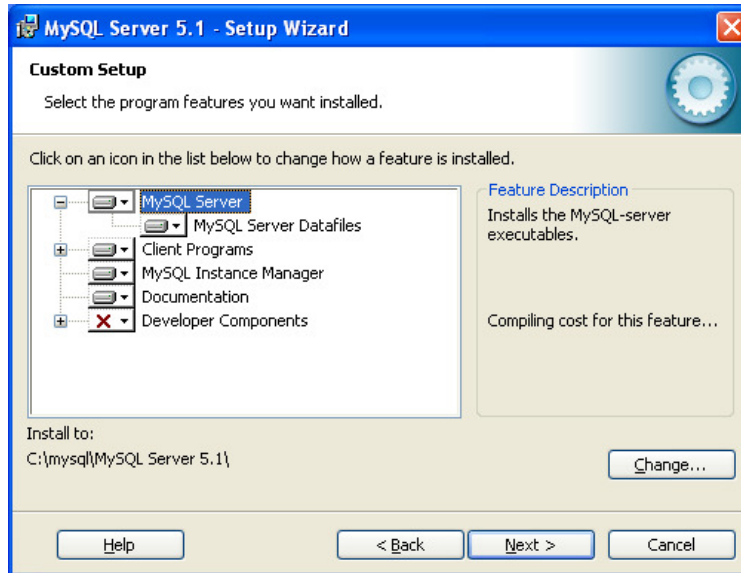


Figure 21

1.2.10 The next screen will show the final settings that you have chosen last time before starting with the installation. If you want to make any changes you can click go back otherwise you can click **Install**.

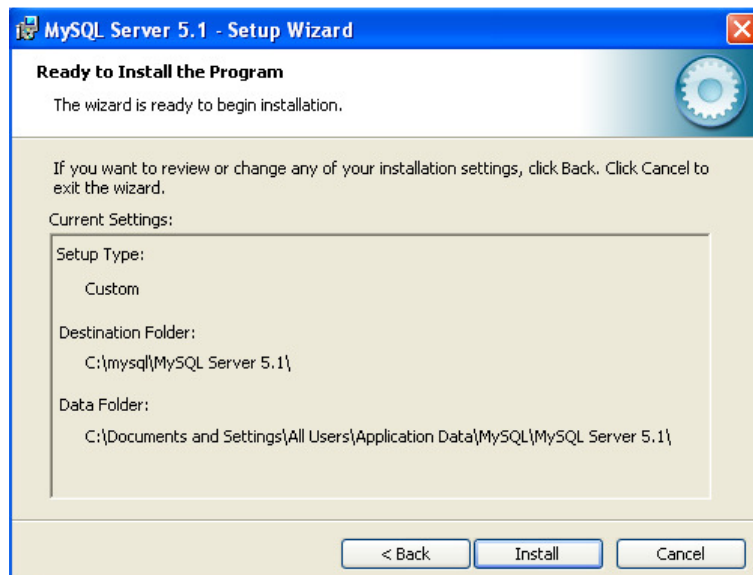


Figure 22

1.2.11 The next screen will show the progress of the installation process.

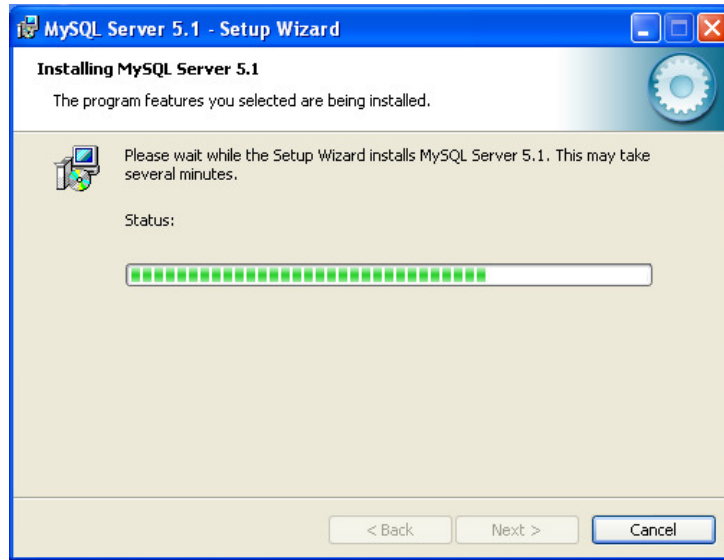


Figure 23

1.2.12 After the installation is complete the MySQL Enterprise subscription page will appear. Click **Next**.



Figure 24

1.2.13 The next screen is for MySQL Enterprise Monitor Service. Click **Next**.



Figure 25

1.2.14 The next window will be the last in the installation process. It will show that the installation wizard has completed the installation. The **Configure the MySQL Server now** check box will be ticked by default and you should leave it like that. Click **Finish**.



Figure 26

1.2.15 The **Installation Wizard** dialogue box will close and the **Server Instance Configuration Wizard** dialogue box will open. Click **Next**.

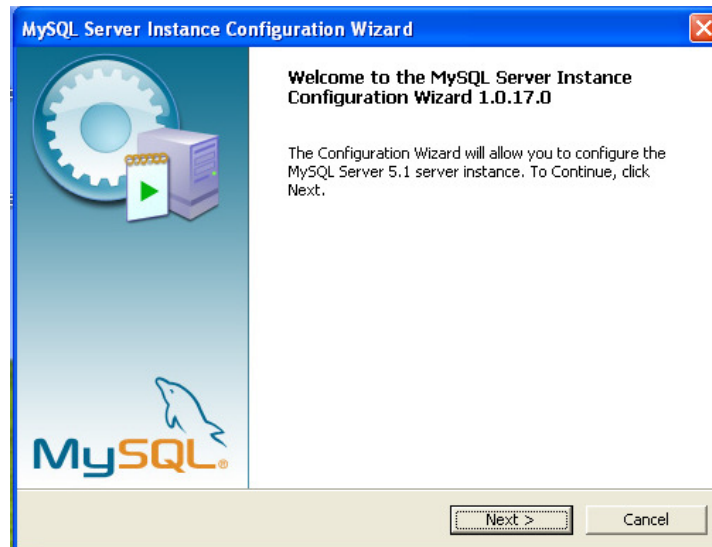


Figure 27

1.2.16 The next dialogue box will list *configuration types*. There are two types of configuration, **Detailed Configuration** and **Standard Configuration**. For our purpose **Standard Configuration** will do, so select the corresponding radio button and click **Next**.

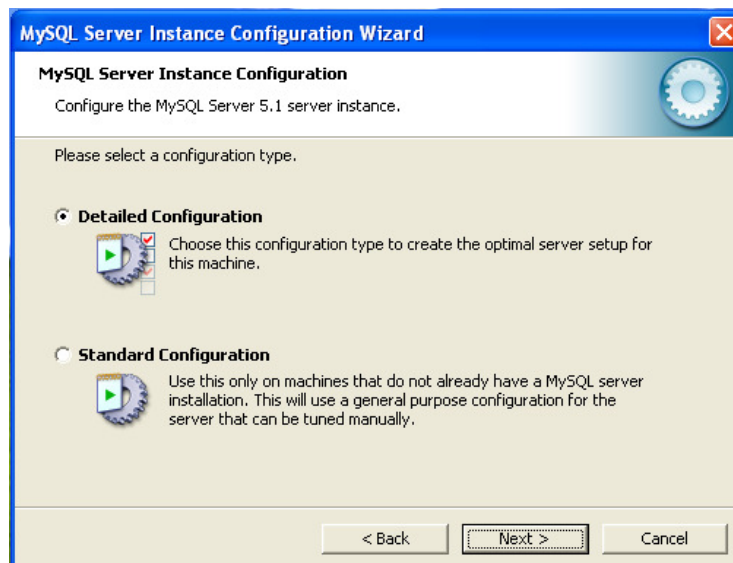


Figure 28

1.2.17 In the next dialogue box leave the default settings as it is. Make sure the **Launch the MySQL Server automatically** check box is ticked. Also tick the **Include Bin Directory in Windows PATH** check box as it will help you access MySQL from command line if needed. Click **Next**.

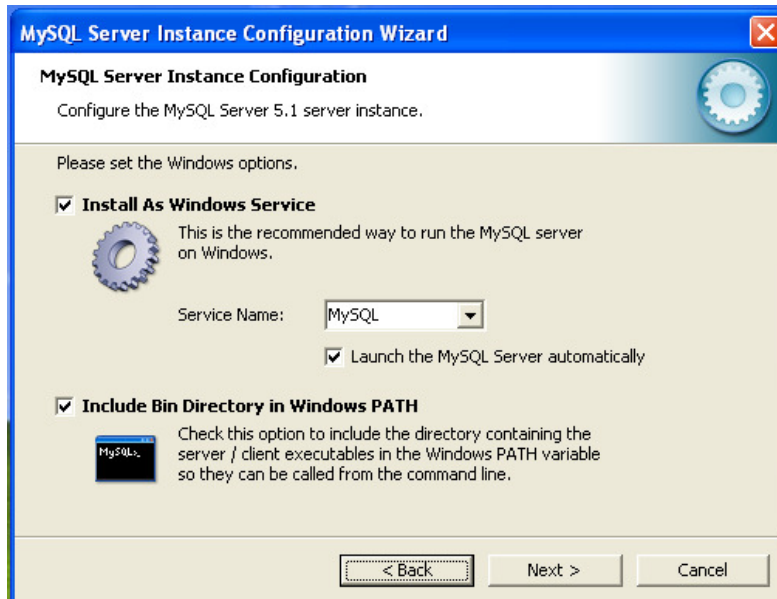


Figure 29

1.2.18 In the next screen set the security options. Furnish the root password and confirm it for MySQL. The easiest one is root. However you can provide anything you wish but you should remember it. You won't need this password unless you wish to access your database directly. But the good practice is that you should set a password for your MySQL. Don't forget to Tick the **Enable root access from remote machines** check box. It can be useful later. Click **Next**.



Figure 30

1.2.19 The next screen will show you the steps it will perform to complete the configuration. Click **Execute**.

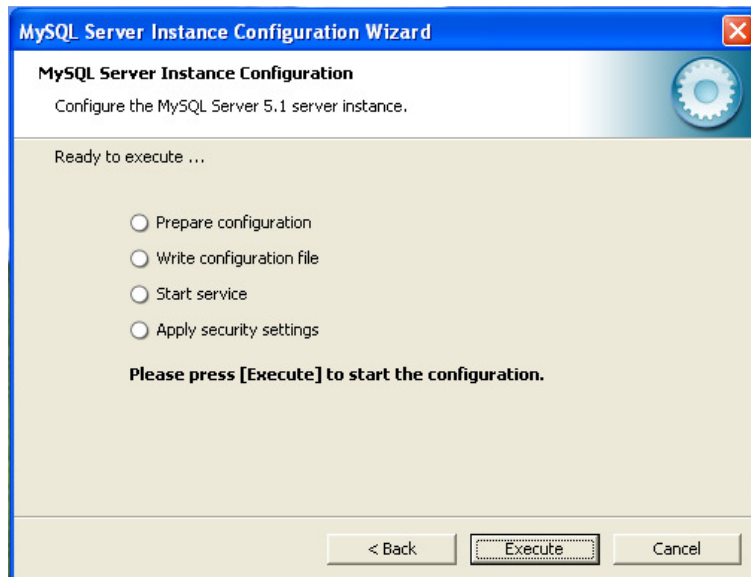


Figure 31

1.2.20 Monitor the steps being completed. If there is any problem at any stage redo the configuration. Reinstall MySQL if needed.

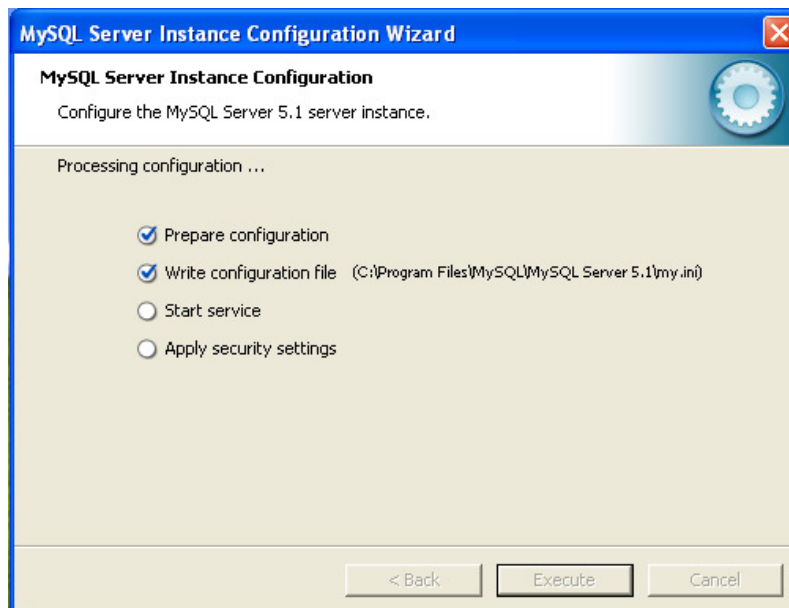


Figure 32

1.2.21 If all the steps are completed successfully and you get the following message Contrats, you installation/configuration is complete and successful.

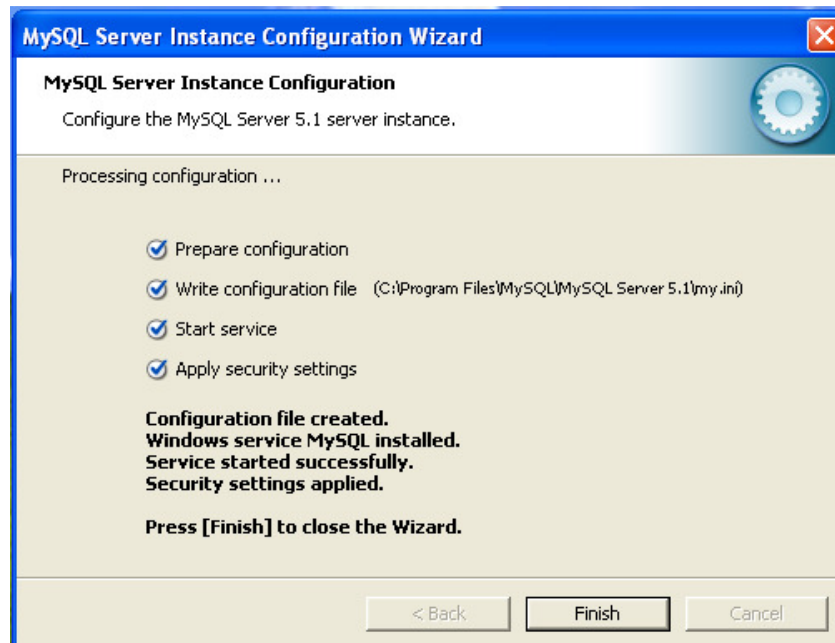


Figure 33

1.2.22 If the installation fails try after disabling the windows firewall or any external firewall/antivirus/anti-spyware you are using on your PC. If this doesn't help uninstall the MySQL from windows Add/Remove programme utility, remove any installation files from C: drive.

1.3 Installing Perl

1.3.1 Download Perl file ActivePerl-5.8.9.827-MSWin32-x86-291969 from <http://www.activestate.com/activeperl/downloads> page.

1.3.2 Double click the installation file to initiate the installation.

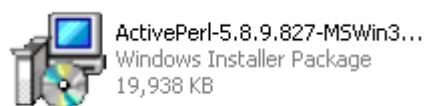


Figure 31

1.3.3 Security Warning dialogue box will open up. Click on **Run** to start the installation.



Figure 32

1.3.4 The Window Installer popup will appear, showing the progress.

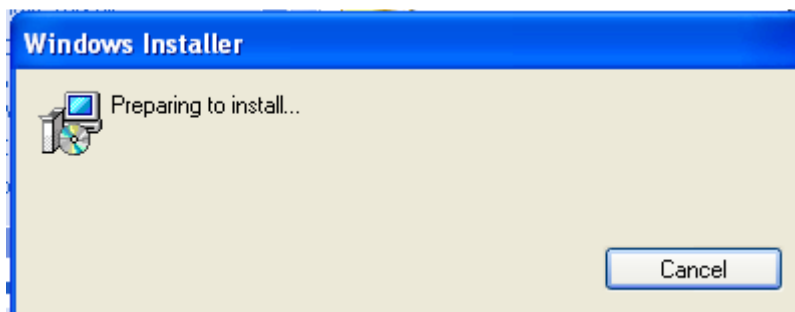


Figure 33

1.3.5 Next the Active Perl **Setup Wizard** dialogue box will appear. Click **Next**.



Figure 34

1.3.6 In the next screen is License Agreement dialogue box. Tick the check box next to **I accept the terms in the License Agreement**. Click **Next**.

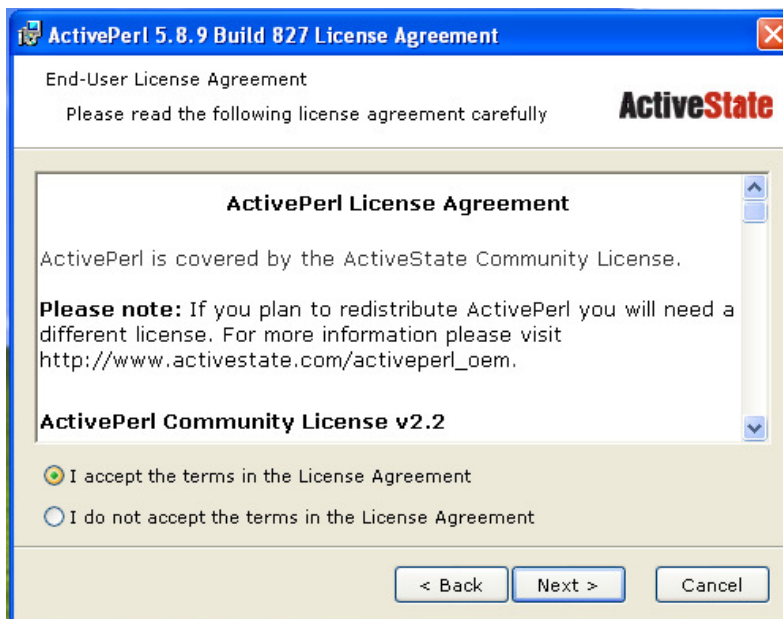


Figure 35

1.3.7 The next screen is the **Custom Setup** window. Here you should change the location of installation leaving the rest of the settings as they are. To change the location click on the **Browse** button, a new window popup window will open.

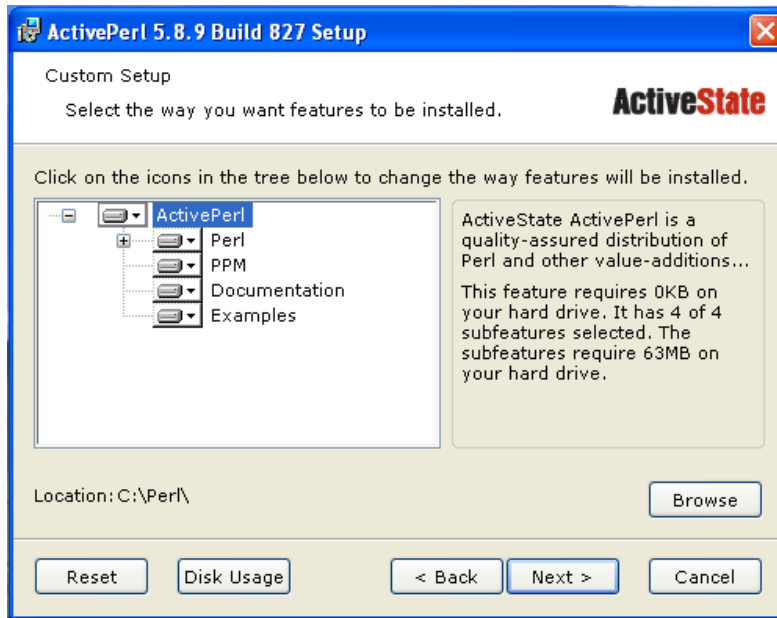


Figure 36

1.3.8 In this new popup window change the destination folder as **C:\usr** and click **OK**.

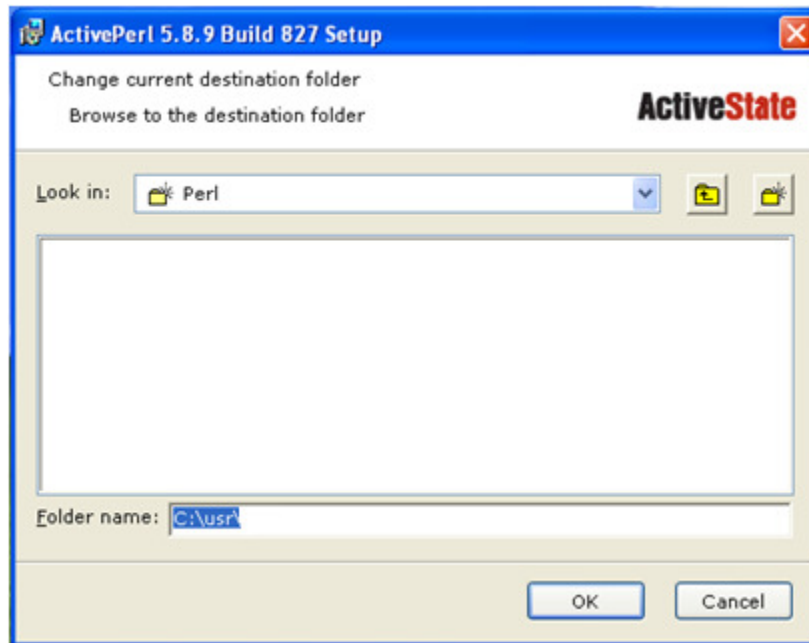


Figure 37

1.3.9 Setup will return back to the Setup Wizard window with new location as destination folder. Click **Next**.

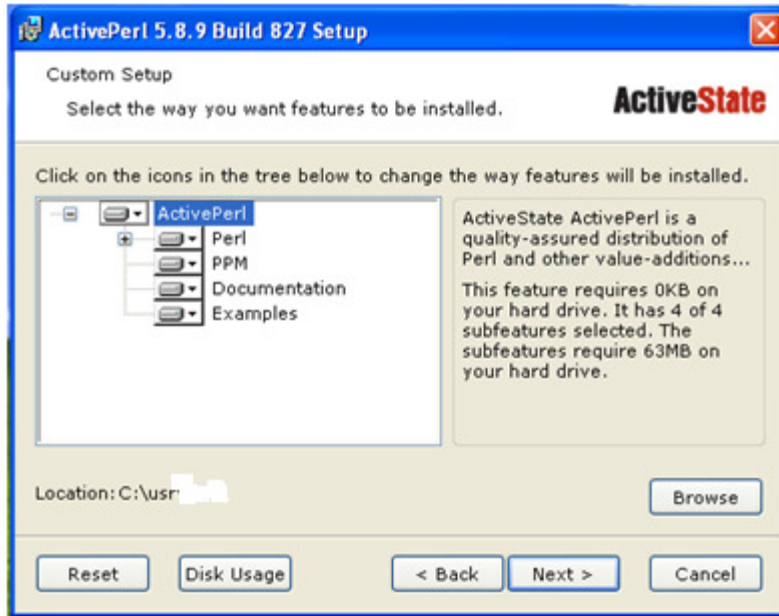


Figure 38

1.3.10 The next screen is the list of setup options. Leave the settings as they are and click **Next**.

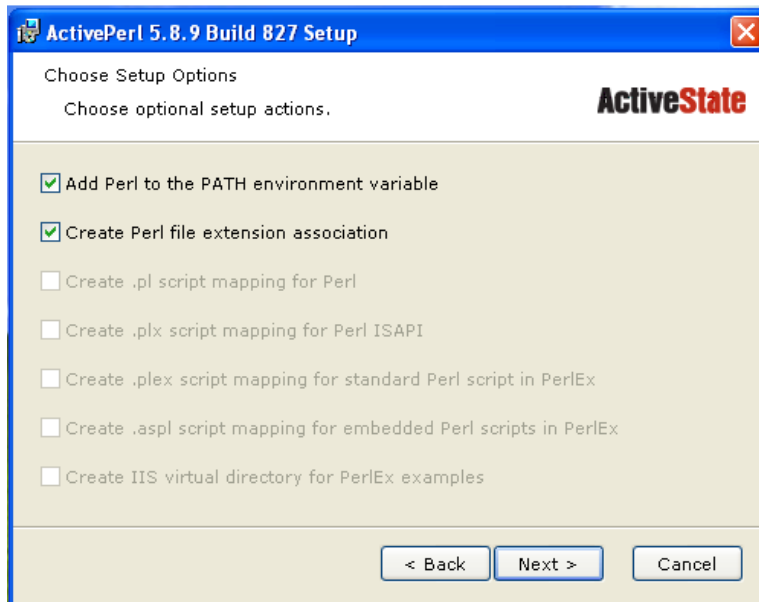


Figure 39

1.3.11 Next comes the Ready to install window. If you are sure you have customized the installation as you needed it click on the **Install** button. The installation will start.

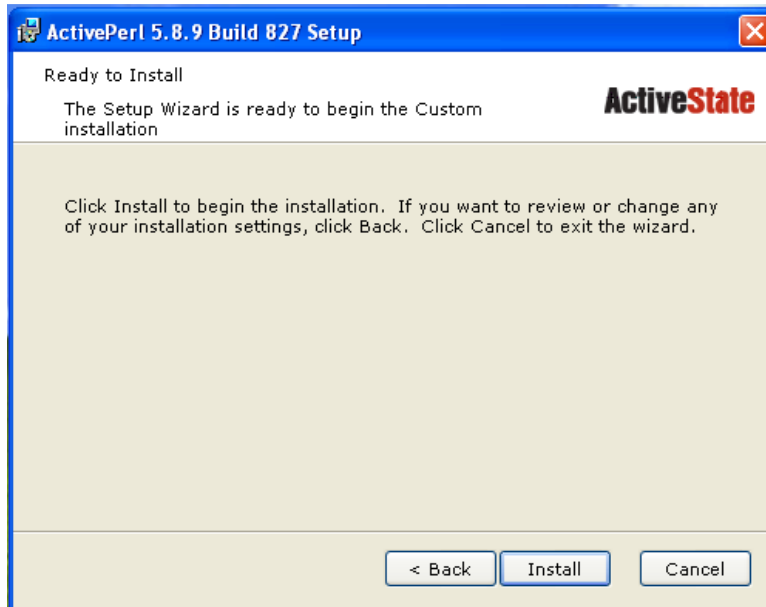


Figure 40

1.3.12 Monitor if the installation proceeds unhindered.

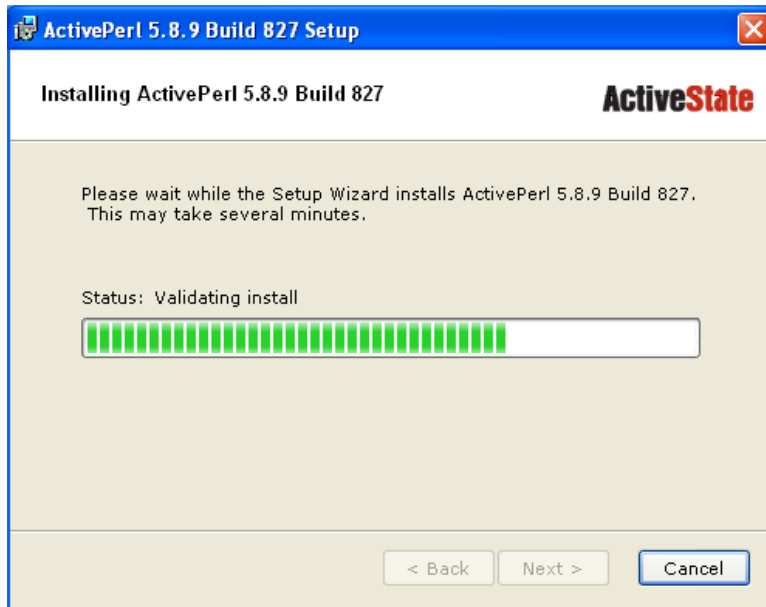


Figure 41

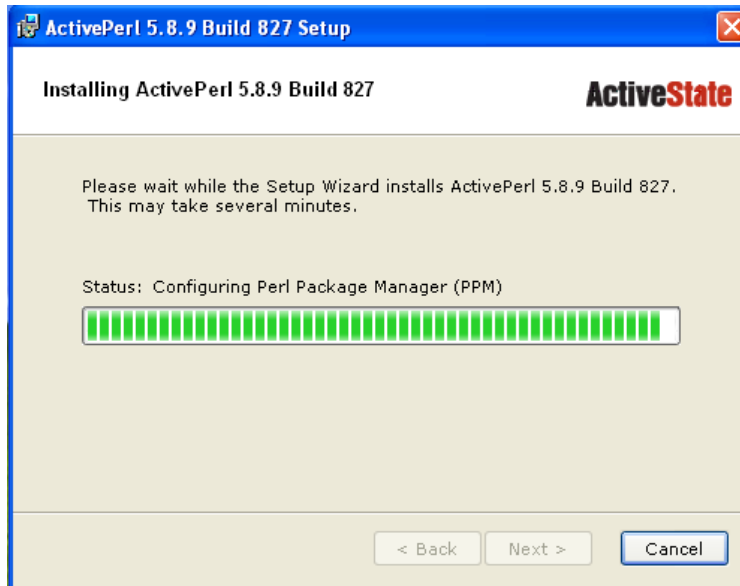


Figure 42

1.3.13 After the installation is complete the following screen will appear letting you know of the same. Click **Finish**.



Figure 43

1.4 Installing KOHA

1.4.1 Download koha file from <http://cid-6ac4b4f2fe0a3144.office.live.com/self.aspx/Public/Koha2.2.9-W32-R1.EXE>

1.4.2 Double click on the installation file to start the installation.



Figure 44

1.4.3 Koha installation Wizard will open. It will check for all the supporting applications.

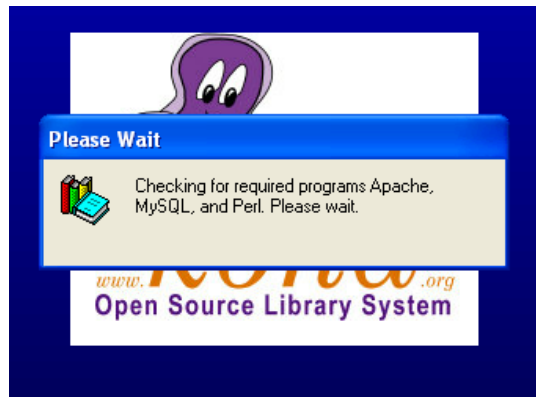


Figure 45

1.4.4 If the installation Wizard finds something wrong with any of the supporting applications it will show a message otherwise it will open a dialogue box listing all the supporting applications with version found on your PC. If it shows some warns about some of the supporting applications **Cancel** the installation rectify the problem. If everything is in order click **Next**.

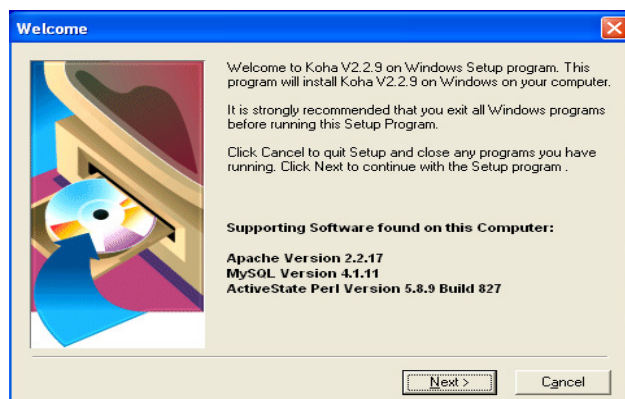


Figure 46

1.4.5 The next is the **Copyright** screen. Click **I Agree**.

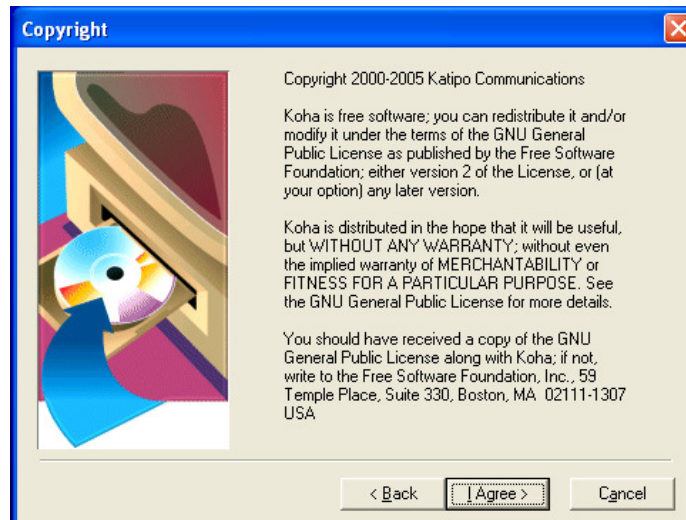


Figure 47

1.4.6 Next screen is the **Warning** screen. Read the warning message carefully and click **Next**.

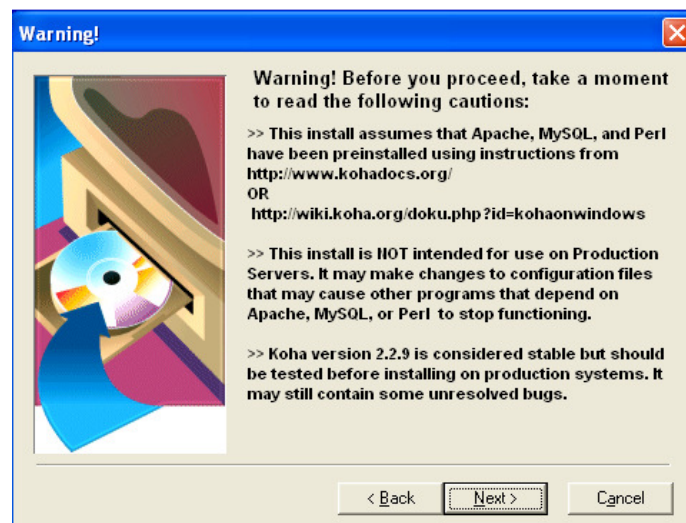


Figure 48

1.4.7 Next follows the **Release Notes** screen. All the information related to the current release is provided here. If interested go through it and then click **Next**.

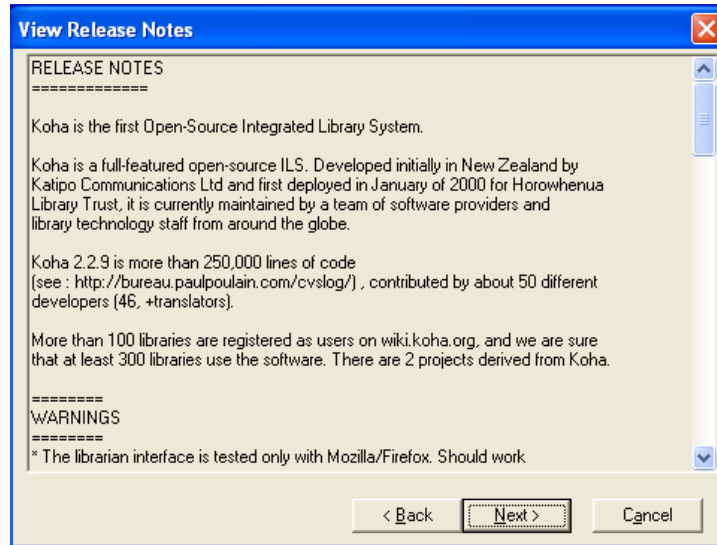


Figure 49

1.4.8 Follows the **Choose Installation Type** screen. For new users the default setting **Full** installation is recommended. However if you are well versed with KOHA and are installing on your production server you can choose **Custom** installation and make your choices. Click **Next**.

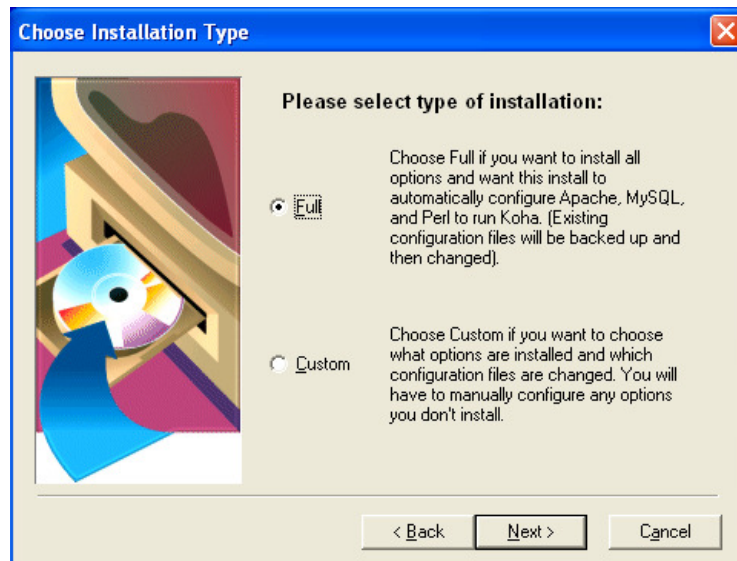


Figure 50

1.4.9 The next screen is the **MARC Field Definitions** screen. Here you can make choices between MARC21 or UNIMARC in French, English and Ukrainian. The default selection is MARC21 and we are going to use it for our purpose.

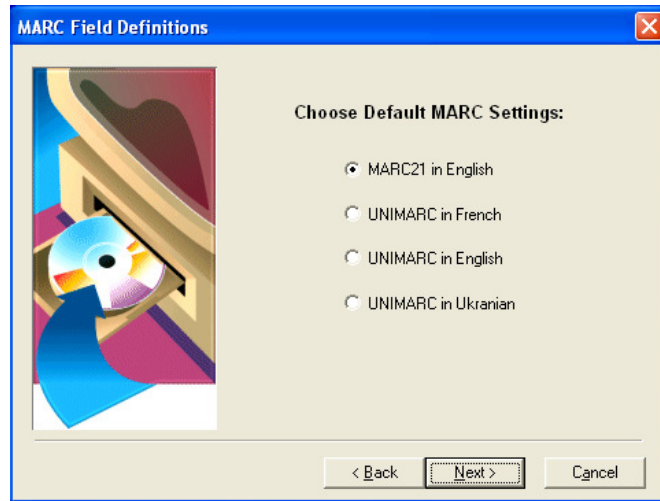


Figure 51

1.4.10 The next screen is the **Yaz Toolkit License** screen. Yaz Toolkit is an external toolkit that has been integrated with KOHA and we need to separately agree the license terms. Click **I Agree**.

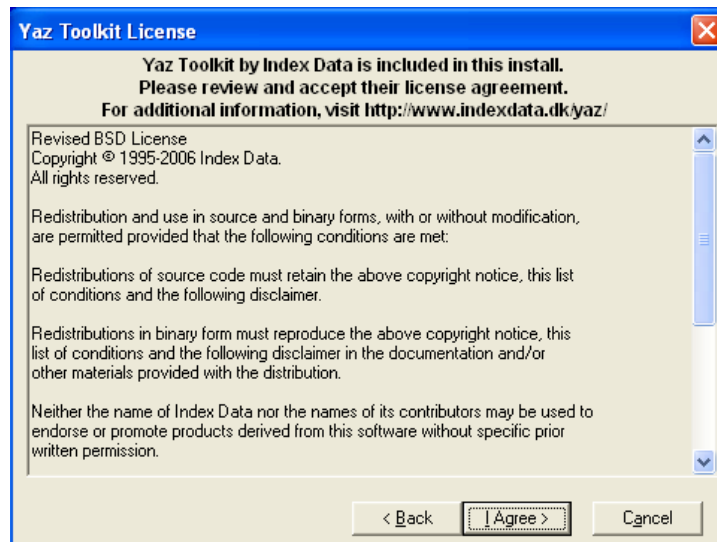


Figure 52

1.4.11 In the next screen **Backup Replaced Files**, leave all the default settings as they are and click **Next**.

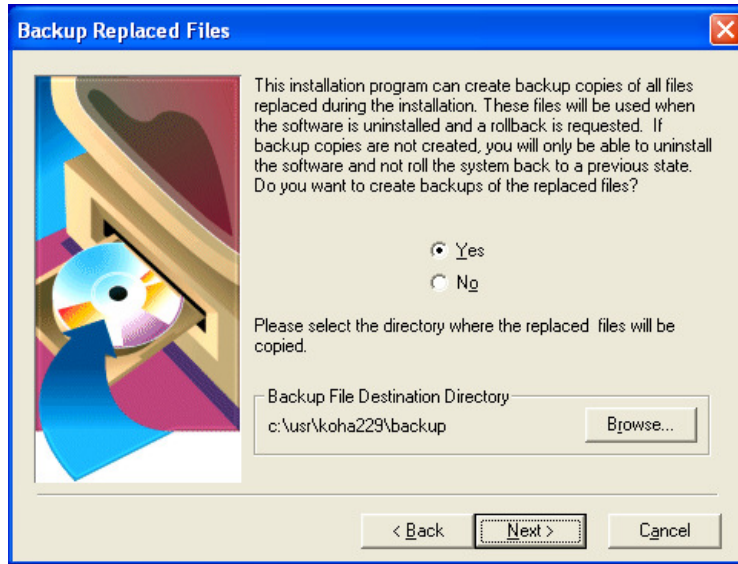


Figure 53

1.4.12 The next screen is the **Start Installation** screen. If you want to make any changes to the information you have provided/selected you can do so now by clicking on **Back** button, otherwise click on the **Next** and the installation will start.

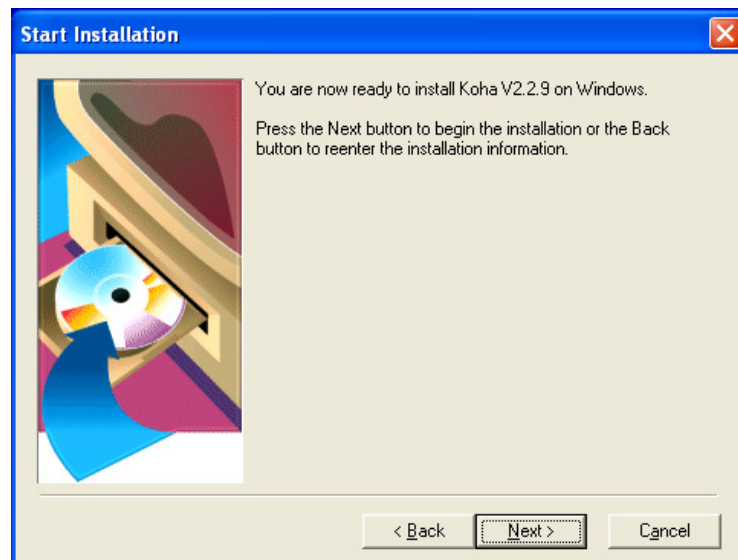


Figure 54

1.4.13 Next screen is the **Installation** screen. It will show the installation progress. Let the installation complete.

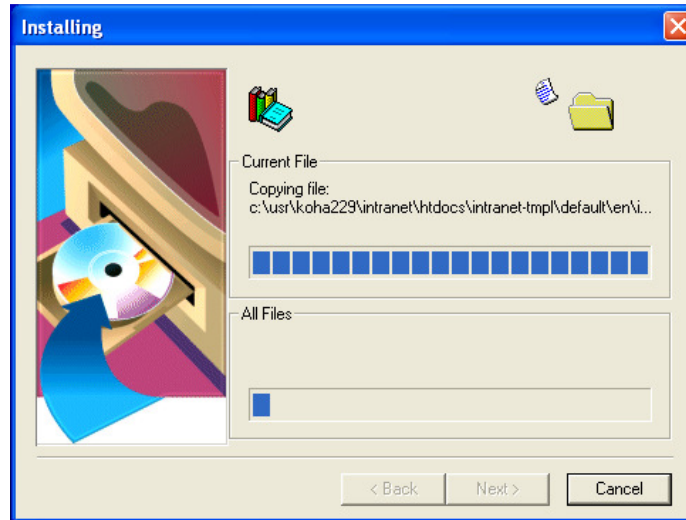


Figure 55

1.4.14 In case you have installed or tried to install KOHA on this PC a popup dialogue box open telling you about an existing **Configuration File** and ask you if you want to replace the configuration file. Click **Yes**.

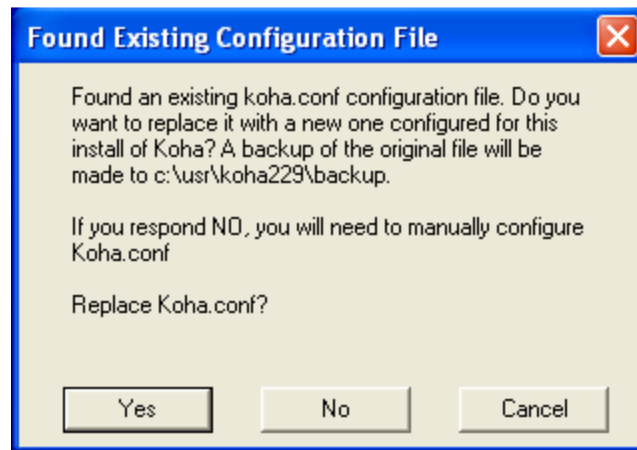


Figure 56

1.4.15 A DOS window will open. Here the process of *Unpacking, Generating and Updating* of files will be enumerated.

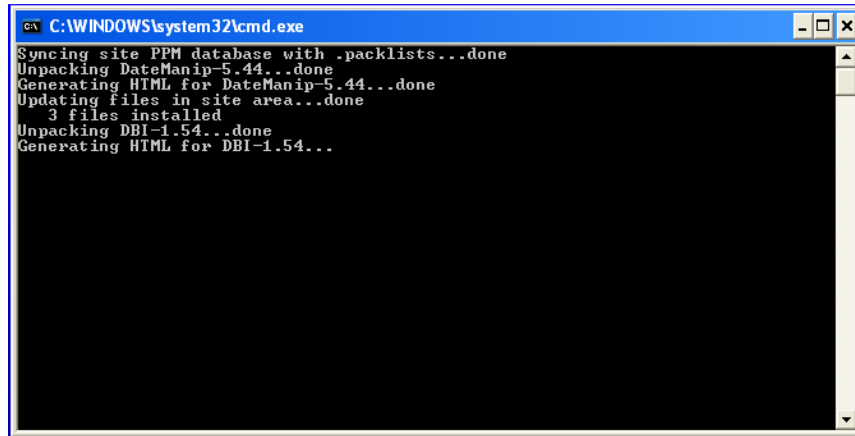


Figure 57

1.4.16 The process will take quite some time. The progression speed will depend on the processing speed and memory size (RAM) of your PC. After all the files have been installed installer will try to connect to the MySQL database. In case it is not able to establish a connection it will ask you to setup the connection manually. It will open a dialogue box where you need to enter the password for root user. Once connected the **Installation Complete** dialogue box will open. Click **Finish**.

1.4.17 Now the final popup will come asking you to restart your PC. It is necessary. So click **OK**.

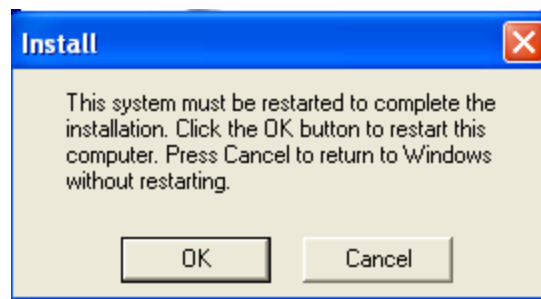


Figure 58

1.4.18 Now check your installation. Open any of the web browser you are using. In the address box type <http://opac> to view the OPAC page.

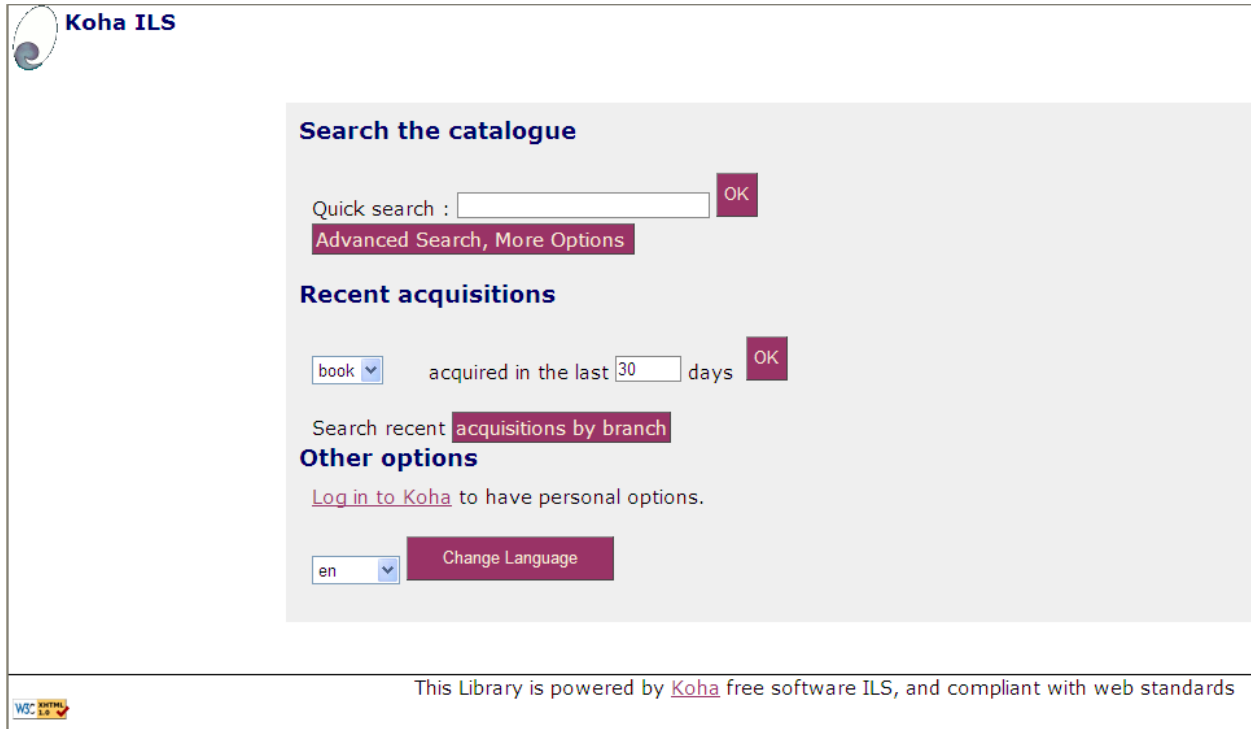


Figure 59

To view the staff client interface type <http://intranet> in your web browser. It will open the login window. The default login ID (Card Number) is **koha** and password is also **koha**.

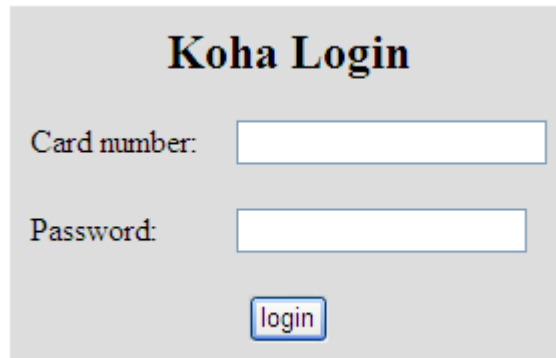


Figure 60

Once you login you go the staff client home page.

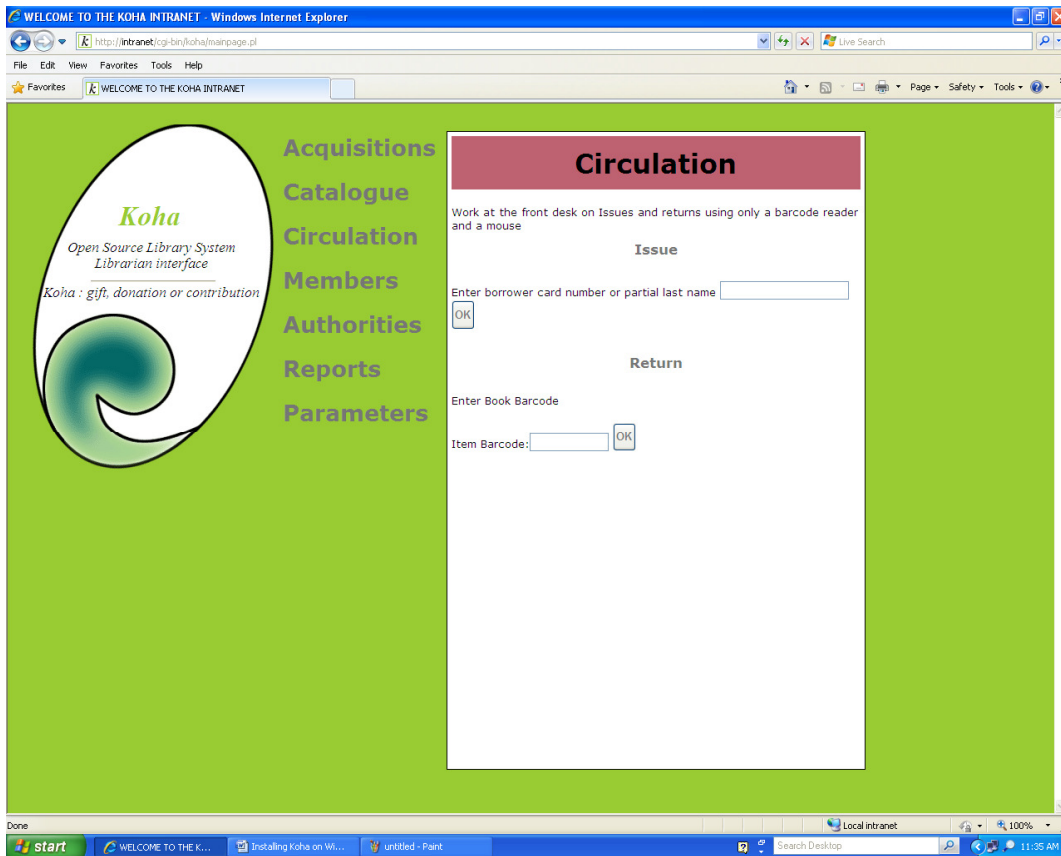


Figure 61