

## Installation of KOHA on Ubuntu 16.04

- Install ubuntu 16.04
- `sudo apt-get update`
- `sudo apt-get upgrade`
- Create system user “koha” (Go to system settings -----> User Accounts-----> create new user ‘koha’)
- `sudo echo deb http://debian.koha-community.org/koha stable main | sudo tee /etc/apt/sources.list.d/koha.list`
- `sudo wget -O- http://debian.koha-community.org/koha/gpg.asc | sudo apt-key add -`
- `sudo apt-get update`
- `sudo apt-get upgrade`
- `sudo apt-get install koha-common`
- `sudo apt-get install apache2 mysql-server (note your mysql assigned root password)`
- `sudo a2enmod rewrite`
- `sudo a2enmod cgi`
- `sudo service apache2 restart`
- `sudo apt-get install perl`
- Create database in Mysql
  - a. `sudo mysql -u root -p`
  - b. `mysql> CREATE DATABASE koha;`
  - c. `mysql> SHOW DATABASES;` (Here u can see the koha database in list)
  - d. `mysql> CREATE user kohaadmin@localhost IDENTIFIED by ‘katikoan’;`
  - e. `mysql> GRANT ALL ON koha.* TO kohaadmin@localhost IDENTIFIED BY ‘katikoan’;`
  - f. `mysql> USE mysql;`
  - g. `mysql> FLUSH PRIVILEGES;`
  - h. `mysql> QUIT`
- Test your SAX parser
  - a. `$ ./misc/sax_parser_print.pl`  
If your result shows “**Looks bad, check INSTALL.\* documentation**”
  - b. Open file PraserDetails.ini which will be located in `etc/perl/xml/SAX/PraserDetails.ini`
  - c. Move the entire section for ‘[XML::LibXML::SAX::Parser]’ to the bottom of the file.
  - d. Then run `$ misc/sax_parser_print.pl` results shows it Looks Good.

- `sudo apt-get install koha-deps koha-perldeps make`
- `sudo wget http://download.koha-community.org/koha-latest.tar.gz`
- `tar xvf koha-latest.tar.gz`
- `$ cd koha` and press tab (This will auto complete the directory name)
- `./koha_perl_deps.pl -m -u`  
 The list will display names of some perl missing packages. To install the missing package type the command `$sudo cpan install missing package name` (ex. `Test::DBIx::Class`)
- `$ perl Makefile.PL`
- `$ make` (Here keep on press enter tab)
- `$ make test`
- `$ sudo make install`
- `$ sudo ln -s /etc/koha/koha-httpd.conf /etc/apache2/sites-available/koha.conf`
- `$sudo nano /etc/apache2/ports.conf` and add the following lines in the file  
`Listen 80`  
`Listen 8080`
- `$ sudo a2enmod rewrite deflate`
- `$ sudo a2ensite koha`
- `$ sudo apache2ctl restart / sudo service apache2 restart`
- Configure Zebra
  - a. `$sudo ln -s /usr/share/koha/bin/koha-zebra-ctl.sh /etc/init.d/koha-zebra-daemon`
  - b. `$ sudo update-rc.d koha-zebra-daemon defaults`
  - c. `$ sudo /etc/init.d/koha-zebra-daemon start`
- Open your browser and type <http://localhost:8080> and follow the instructions to install koha.