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| Florida International University |
| Installation Guide |
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# Introduction

This document will show how to install the system up to the point where the system is now

# Installation

2.1 install Apache2  
Apache is the web server. Apache is a freely available Web server that is distributed under an "open source" license. Version 2.0 runs on most UNIX-based operating systems (such as Linux, Solaris, Digital UNIX, and AIX), on other UNIX/POSIX-derived systems (such as Rhapsody, BeOS, and BS2000/OSD), on AmigaOS, and on Windows 2000.

to install apache, use:

sudo apt-get install apache2

## 2.2 Install php5

PHP (recursive acronym for PHP: Hypertext Preprocessor) is a widely-used open source general-purpose scripting language that is especially suited for web development and can be embedded into HTML.

Note: because you have already install Apache, the php will detect that Apache is already installed and it will install the php module for Apache. This is the reason why it is important to keep the order

to install php use:

sudo apt-get install php5

## 2.3 PHP Additional module

install mysql client for php

Note: PDO is been used in the application, but it is a feature that is installed by default in the php core. However, in this step is installed PDO for mysql.

to install this additional module use:

sudo apt-get install php5-mysql

## 2.4 install mysql server

to install mysql server use:

sudo apt-get install mysql-server

## 2.5 install mysql client:

Note: this step is optional although very helpful. This step is to be able to access the mysql server on the console.

to install mysql client use:

sudo apt-get install mysql-client

## 2.6 install git

Git is used to access github server which is the versioning system for the code.

Note: this step is also optional to synchronize the code with the github repository in case changes will be made to it. To check how to use git, check manuals online.

to install git use:

sudo apt-get install git

## 2.7 install sendMail,

SendMail is a MTA, which is a Mail Transport Agent.

Note: this is not an email server, is just an MTA that allow us using php in linux to send emails. This feature is used in the program because creating users is by invitation.

to install sendMail use:

sudo apt-get install sendmail

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## 2.8 Copying the system

Download or copy the application files in your Apache designated folder

Note: it does not have to exactly be but in my case the folder was located into /var/www/html

## 2.9 Database

create the database using the file in Code/database

need to login with super user permision, to do this use:

sudo -su

then enter your password if needed

then go to the folder that contains the .sql file and enetr:

mysql -u root -p < drugsdb.sql

then enter the password when requested

## 2.10 Configure outgoing email

Configure the smtp for the application to send emails out

go to php.init and look for the section that says

[mail function]

; For Win32 only.

; http://php.net/smtp

SMTP = localhost

; http://php.net/smtp-port

smtp\_port = 25

then modify SMTP to look be equal to smtp.cs.fiu.edu

[mail function]

; For Win32 only.

; http://php.net/smtp

; SMTP = localhost

SMTP = smtp.cs.fiu.edu

; http://php.net/smtp-port

smtp\_port = 25

and safe the file

## 2.11 increases upload max size

Go to php.ini and look for a line that says:

; Maximum number of files that can be uploaded via a single request  
max\_file\_uploads=20

Then change it to

; Maximum number of files that can be uploaded via a single request  
max\_file\_uploads=200

After this the apache needs to be restarted, to restart apache type this:

sudo /etc/init.d/apache2 restart