INSTALLATION MANUAL FOR

Payroll Management System

Installing Prequired Software

To work this application you need PHP, Apache2, PostgreSQL and Yes a Browser not the IE. It will continue to screw your head. Installing PHP, PostgreSQL and Apache2 is as given below:-

Installing in Old way out

Download and install Postgres.

1. Switch to the root user.
2. Download Postgresql source from http://www.postgresql.org/download
3. Extract Postgresql to any folder of your choice.

   ./configure

   make

   make install
4. Create a new user called postgres.

   mkdir /usr/local/pgsql/data

   chown postgres /usr/local/pgsql/data

   su - postgres

   /usr/local/pgsql/bin/initdb -D /usr/local/pgsql/data

   /usr/local/pgsql/bin/postmaster -D /usr/local/pgsql/data

   /usr/local/pgsql/bin/createdb test

   /usr/local/pgsql/bin/psql test

Download and install Apache.

1. Download Apache source from http://httpd.apache.org
2. Extract Apache to any folder of your choice.
3. Configure and install Apache.

   ./configure --prefix=/usr/local/apache --enable-so --enable-rewrite

   make

   make install

Download and install PHP.

1. Download Php source from http://www.php.net/downloads.php
2. Extract Php to any folder of your choice.
3. Configure and install Php.

./configure --with-apxs2=/usr/local/apache/bin/apxs –with-pgsql

Note - Dont forget –with-pgsql

make

make install

Configure Php.ini.

4. Copy php.ini or php.ini-dist from the folder where you extracted php to /usr/local/lib

5. Go to /usr/local/lib folder and open the php.ini-dist file in any simple text editor like emacs.

6. Find 'extension=php_pgsql.dll' in the file and remove the ' ; ' before that line.

Configure Apache.

1. Open the httpd.conf file in /usr/local/apache/conf folder in any simple text editor.

2. Make sure the following line is there in the LoadModule list, if it is not there add it.
   LoadModule php5_module modules/libphp5.so

3. Find the AddType application section and add or uncomment the following lines.

   AddType application/x-httpd-php .php .php3 .phtml

   AddType application/x-httpd-php-source .phps

4. In the User/Group list, edit or add these lines.

   User postgres

   Group daemon

Test Apache and PHP.

1. Start Apache, you will need sudo access.

   /usr/local/apache/bin/apachectl start

2. Go to /usr/local/apache/htdocs. This is the default folder where Apache puts it html files.

3. Create a new php file called index.php

4. Copy paste the following lines in that file.

   <?php

   phpinfo();

   ?>

5. After saving it open http://localhost/index.php

Installing PHP, Apache, PostgreSQL easy way out

This is the one of easiest way to install these all. There comes a bundled package free one by Bitnami called LAPP(Linux Apache PHP PostgreSQL) and Same like for Windows and MAC namely WAPP and MAPP. So you can also download it execute binary file or setup file. Put up the desired path and then placed this extracted project under apache2/htdocs/ folder created after Installation.

Link for Downloading is

Instructions For Setting Up Database

1. Download the code and extract it

2. Place it under apache/htdocs (if 3rd party software) or under /var/www root folder in case of WAMPP or in case of Linux www root folder .

3. Make a database in PostgreSQL either through PGADMIN or through PHPPGADMIN. Name it whatever but remember as you are going to have it.

4. After that find option to import the sql file. When found import the sql file given in the project main folder named tables.sql.

Instructions For Changing the Application's Setting for working

1. Nothing much had to change just make sure that in the folder dbfiles of the project there exists a file named config.php which will have all those settings which are for your database connection.

2. After that give proper permissions if possible include .htaccess file in every folder which includes code to deny the file listing in directory.