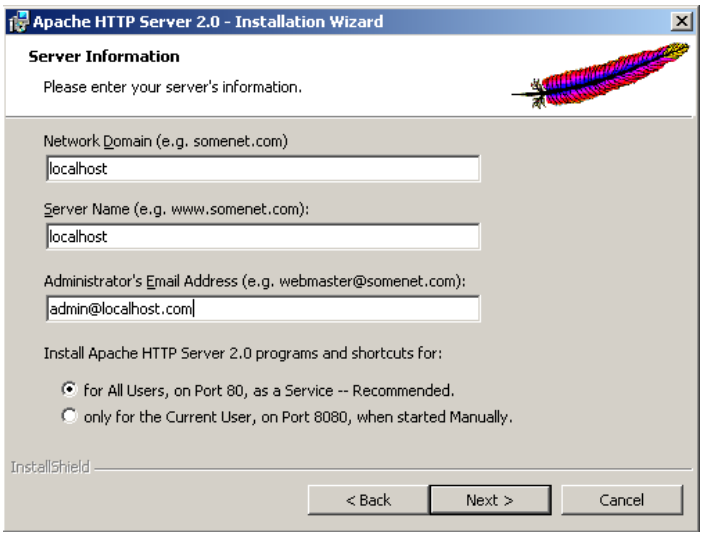
Installing and configuring APACHE PHP and MYSQL

Windows

Installing apache 2

Download the Apache Microsoft Installer (.msi) package from http://httpd.apache.org/download.cgi

Click next until you see the Server Information window. Enter **localhost** for both the Network Domain and Server Name. For the administrator email type in admin@localhost.com.



Click the Next button and choose typical installation. Click Next one more time and choose where to install the Apache application (default location C:\Program Files\Apache Group). Click the Next button and then the Install button to complete the installation process.

To see if Apache installation was successful open up you browser and type http://localhost in the address bar. The apache welcome screen should display.

If it says can't find host add local host to the proxy settings box in your internet explorer (It should work on Firefox without any changes to proxy)

Installing mysql

Download source without installer from http://dev.mysql.com/downloads/ and extract it to c:\mysql

Right click on **my computer** and go into **properties** and click on **Advanced** tab then **environment variables** button

Under system variables type in: C:\mysql\bin\

Click **Start** then **run** and type mysqld

This should open a blank cmd window then disappear – to check if mysqld is running open task manager and search for the mysqld process.

If this is running, go back to **run** command and type mysql –u root

This should open cmd with mysql interface.

Installing PHP

First, extract the PHP package into c:\php – so that all the files and folders are within this directory

Not c:\php\php-5

Then copy the file php.ini-dist in PHP directory to you windows directory (C:\Windows or C:\Winnt depends on where you installed Windows) and rename the file to php.ini.

In the configuration file a few changes are required

Extensions path and enabling files

extension_dir = "c:\php\"

extension=php_mysqli.dll

Specify session path

session.save_path = "C:\php\session"

Copy the php5apache2.dll php5isapi.dll php5ts.dll and paste them in your windows directory (again C:\Windows or C:\Winnt depends on where you installed Windows).

Modifying Apache Configuration

Open the Apache configuration file in C:\Program Files\Apache Group\Apache2\conf\httpd.conf and add the following three lines

```
LoadModule php5_module c:/php/php5apache2.dll
AddType application/x-httpd-php .php
AddType application/x-httpd-php-source .phps
```

Now restart Apache for the changes to take effect.To check if everything is okay create a new file, name it as phpingo.php and put it in document root directory (C:\Program Files\Apache Group\Apache2\htdocs). The content of this file is shown below.

```
<?php
phpinfo();
?>
```

Type out http://localhost/phpinfo.php on the web browser – this should display all the configuration information about PHP.

That's it. ☺

For Windows anyway, please find below the instructions for installation on Linux

Linux

The instructions below are for installing Apache, PHP and MySQL on the Linux operating systems. The instructions given below are for tar.gz – which are the customisable packages.
Installation can begin with MySQL and Apache together, since further configuration of these application are no dependant on each other. PHP requires the installed paths of Apache and Mysql when installation beings, so installation of apache is done after MySQL and Apache. PHP5 requires some extra configuring after installation.

The installation guide given below can be found online, but I have modified some of the instructions to make it more specific for the department.

download the latest stable version of mysql apache and php tar.gz from:
http://www.mysql.com/downloads/index.html
http://www.php.net/downloads.php
http://httpd.apache.org/download.cgi

Installing MySQL

untar the package in: /usr/local/src
```
tar zxvf mysql-4.2.1.tar.gz
```

cd into mysql untared directory: /usr/local.src/mysql-4.2.1.tar.gz
do the following to set the mysql directory, and follow the next two instructions
```
./configure --prefix=/usr/local/mysql

make

make install
```

after it has complete installed, there are some futher configuration settings.
You should still be in the untared directory.
```
groupadd mysql
useradd -g mysql mysql

scripts/mysql_install_db
```

cd into /usr/local/mysql (or cd ..)

```
/usr/local/mysql)
 chown -R root  .
 chown -R mysql var
 chgrp -R mysql .
 bin/mysqld_safe --user=mysql &
```

MySQL shown now have started successfully.

Installing Apache

untar the package in: /usr/local/src
```
tar zxvf httpd-2.0.53.tar.gz
```

cd into the mysql untared directory and do the following:

```
./configure --enable-so
```

```
make
make install
```
Once this has been completed, Apache can be started

```
  /usr/local/apache2/bin/apachectl start
```

Before installing PHP, stop the service.

```
 /usr/local/apache2/bin/apachectl stop.
```

Installing PHP 5

untar the package in: /usr/local/src
```
tar zxvf php-5.0.18.tar.gz
```

cd into the untared director and select the following options for installation, so it is able to link with apache and mysql.

```
  ./configure --with-apxs2=/usr/local/apache2/bin/apxs --with-
mysql=/usr/local/mysql/

make

make install
```

copy the php.ini file from the untared directory to the library folder in /usr/local/lib/

```
cp php.ini-dist /usr/local/lib/php.ini
```

php.ini

some changes are required to this file to enable the latest mysqli functions to work.

Httpd.conf

This is the configuration file for Apache, php modules need to be loaded into this file

```
LoadModule php5_module libexec/libphp5.so
```

Accepted extension types

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

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