

PACSONE on Windows

Pacsone is a web based DICOM software used to store, transfer and view patient images. Pacsone is open source with distributions available for Windows and Linux.

1. Firstly download stable versions Apache, PHP, MySQL and Pacsone – not necessarily the most up-to-date

I have found the following versions reliable.

```
apache_2.0.48-win32-x86-no_ssl
mysql-4.0.17-win
php-4.4.4-Win32
zlsSetup_61_737_000_en
```

2. Install software

Run mysql executable and install it in c:\mysql

Run apache executable and keep all the settings, (add localhost for hostname and domainname)

Install Pacsone with all the default settings

3. Configuration

php

extract php source to c:\php

copy the php.ini into your system folder (c:\windows or c:\winnt)

modify the php.ini to include the following

```
; Directory in which the loadable extensions (modules) reside.
extension_dir = {PHP_INSTALL_DIR}\extensions

;Windows Extensions
extension=php_imagick.dll
```

PacsOne Server uses ImageMagick libraries for displaying stored images as converted .JPG or .GIF images to web browsers.

Under Session specify the path to store session data

```
session.save_path = C:\PHP\sessiondata
```

move the php_apache2.dll and php4ts.dll to the top level of the php directory (c:\php) also copy them into the system folder (c:\windows or c:\winnt)

apache

load the php_apache2.dll into the load modules section

add alias and root for Pacsone directory

```
#
# Alias for the directory of Pacsone

Alias /pacsone "C:/Program Files/PacsOne/php"

<Directory "C:/Program Files/PacsOne/php">
    Options Indexes MultiViews
```

```
AllowOverride None
Order allow,deny
Allow from all
</Directory>
```

Add following for php settings in apache

```
DirectoryIndex index.php

ScriptAlias /php/ "c:/php/"

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

mysql

add user for dicom usage

```
Grant all on dicom.* to dicom@'%' identified by 'password';
```

We are now ready to start setup for PACSONE.

Pacsone setup

The screenshot shows the 'PACS ONE Installer' window. It is divided into three main sections: 'DICOM', 'MySQL', and 'Storage'.
- In the 'DICOM' section, 'Application Entity Title' is 'anandhacorp', 'Server Port' is '104', and 'Log File Directory' is 'C:\Program Files\PacsOne\log'.
- In the 'MySQL' section, 'Database Name' is 'dicom', 'Username' is 'dicom', and 'Password' is masked with asterisks. There is a checked checkbox for 'Drop and create database tables'.
- In the 'Storage' section, 'Default Archive Directory' is 'C:\' and 'Archive Format' is 'DicomPart10 (Default)'.
At the bottom of the window are three buttons: 'Install', 'Uninstall', and 'Cancel'.

Fill in all your details and click install – this will create the database and tables required for program.

To logon to the system go to web browser

<http://hostname/pacsone>

you should be presented with a logon screen