

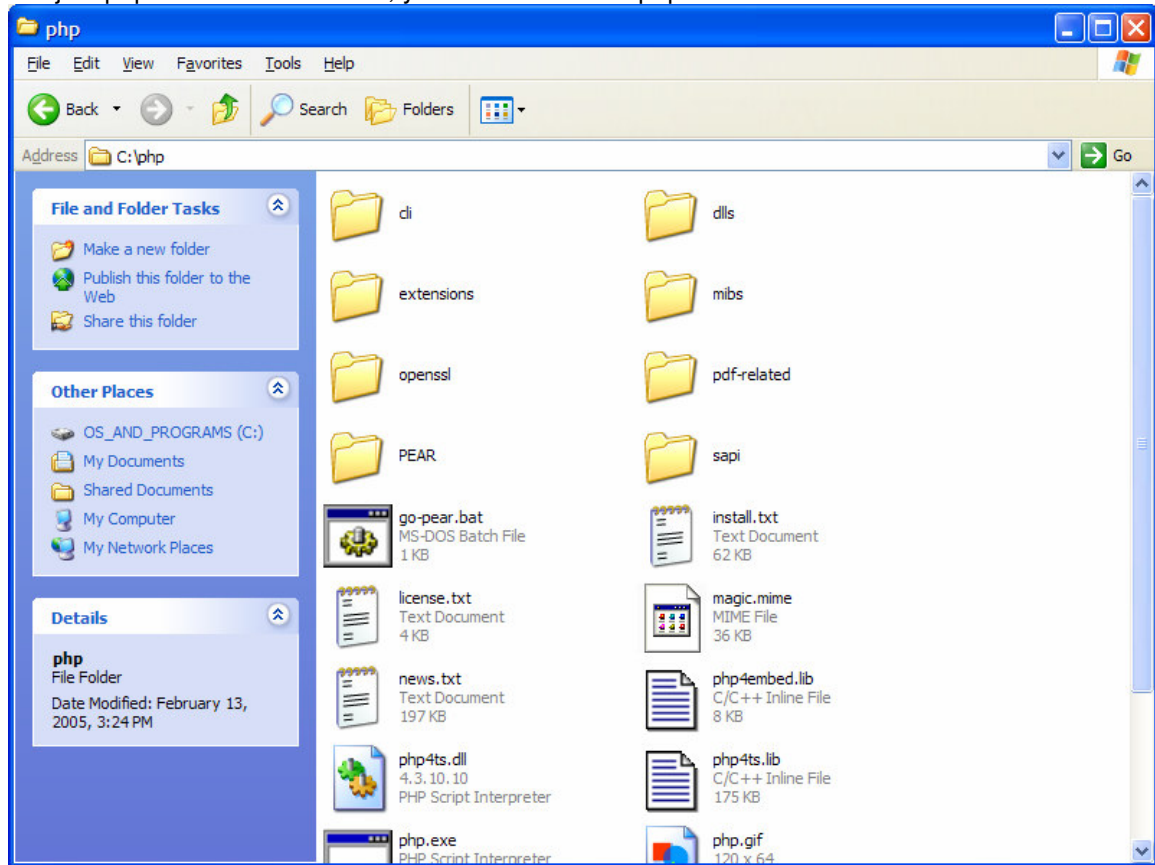
Install PHP as an extension to Apache:

There are two possible ways for installing PHP with Apache:

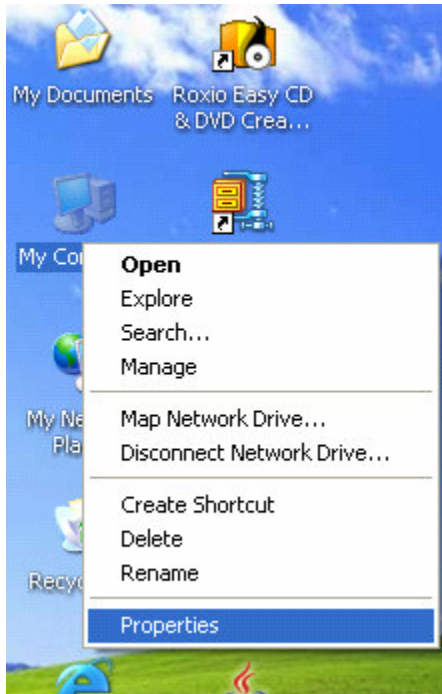
1. As CGI, in this case Apache will be calling php.exe which is completely separate executable, or
2. As an apache module, in this case Apache calls the php4apache2.dll which is part of Apache executable.

We have chosen the second because it allows better management of sessions.

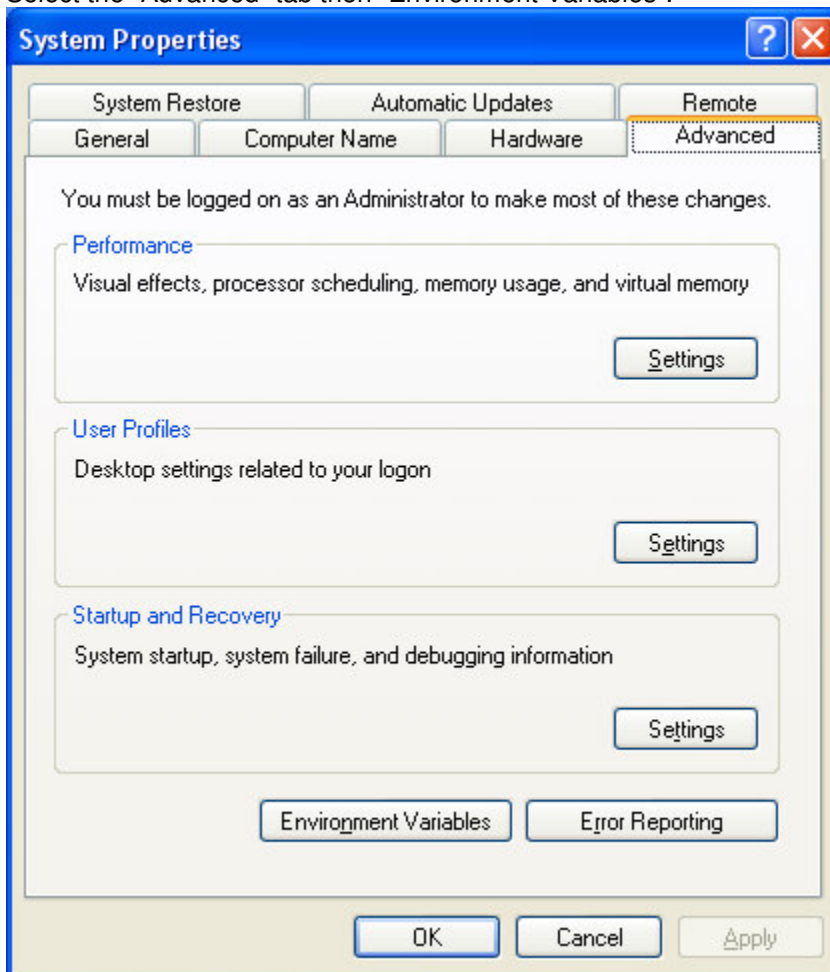
1. Extract the distribution file into C:\. If the folder name is php-4.3.10-Win32, rename it to just php. After the extraction, you should have C:\php look like this:



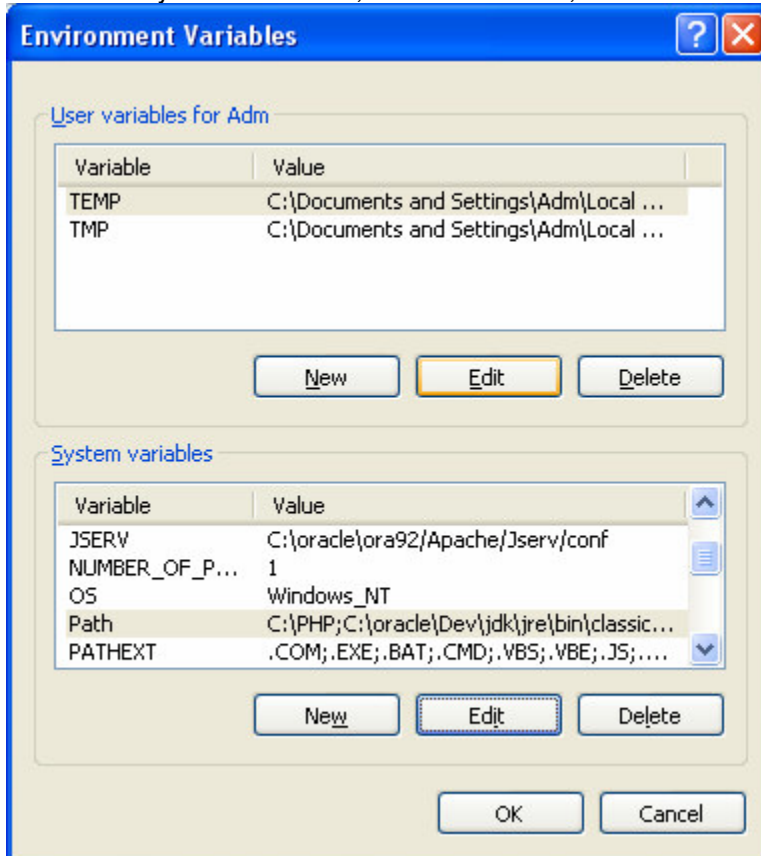
3. Add your PHP directory, C:\php to the PATH. Start by right clicking on "My Computer" icon on the desktop then select "Properties":



Select the "Advanced" tab then "Environment Variables".



Under the “System Variables”, search for “Path”, select it and click “Edit”.



Add 'c:\php;' and click OK. Do not forget to separate c:\php from other paths already there by a semicolon.



Configuring PHP:

1. Rename the php.ini.ini-recommended to php.ini.
C:\php>ren php.ini.ini-recommended php.ini
2. Edit the php.ini to have doc_root = D:\Apache2\htdocs. Originally htdocs is located under C:\Program Files\Apache Group\Apache2. In our lab installation we have moved to D:\Apache2\htdocs\.

Installing as an Apache module

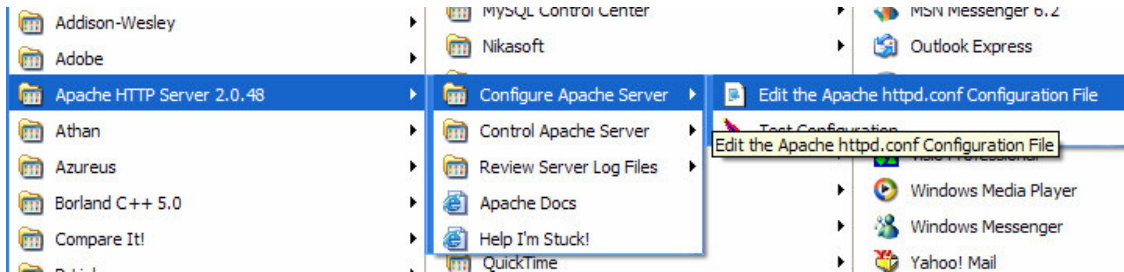
1. Copy the file c:/php/sapi/php4apache2.dll to c:/php/ and make sure that the file php4ts.dll is also there.
2. You need to insert these two lines to your Apache httpd.conf after the line

"#ExtendedStatus On"

LoadModule php4_module "c:\php\php4apache2.dll"

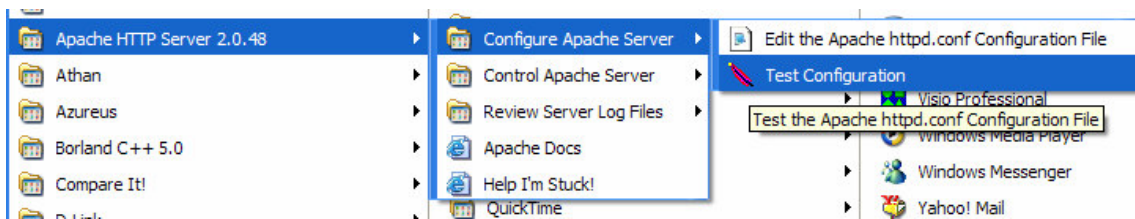
AddType application/x-httpd-php .php

Select Start → All Programs → ... as shown below



This will open the httpd.conf file using notepad, search for all occurrences of 8080 and replace it with 8888 (or any other number that is greater than 1224 and which is not used by another application).

Save the file then test it to make sure that you have not made any typo mistakes:



If you have errors then you will have black DOS window opened and displaying the error. If everything is OK, then this window will open and close immediately.

3. You will need to restart the Apache service so that the new changes take effect.

Testing that PHP is installed successfully:

1. Create a folder called myphp under htdocs. In the lab we have D:\Apache2\htdocs\myphp.
2. Create the file "hello.php" using notepad and save it under the folder myphp

```
<?php
echo "\n\nHello World!\n\n";
?>
```
3. Enter the following URL in the browser <http://localhost:8888/myphp/hello.php>, if your installation is correct and the service started successfully, you should get a page displaying "Hello World!".