

# Creating a Webserver – Installing PHP

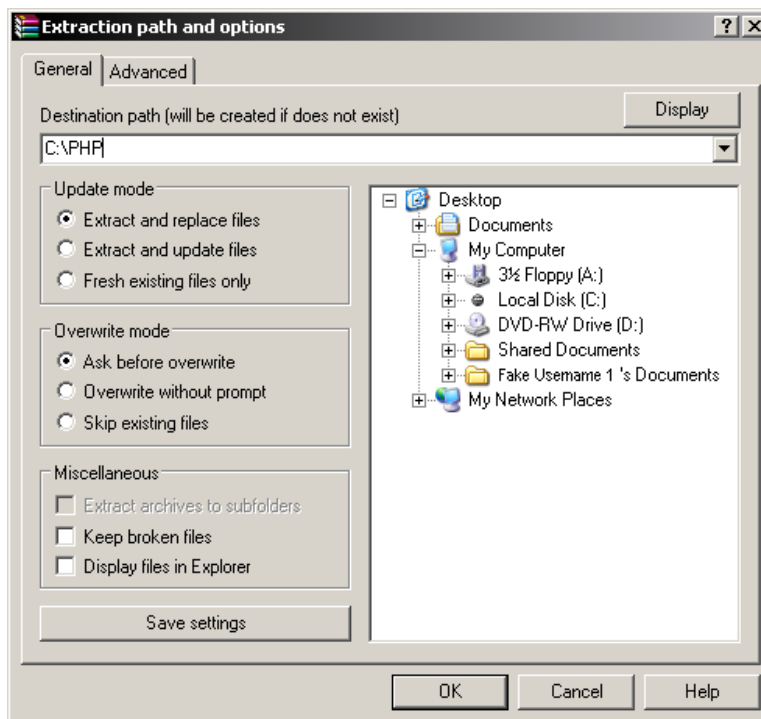
Patrick Cloke – Team 358

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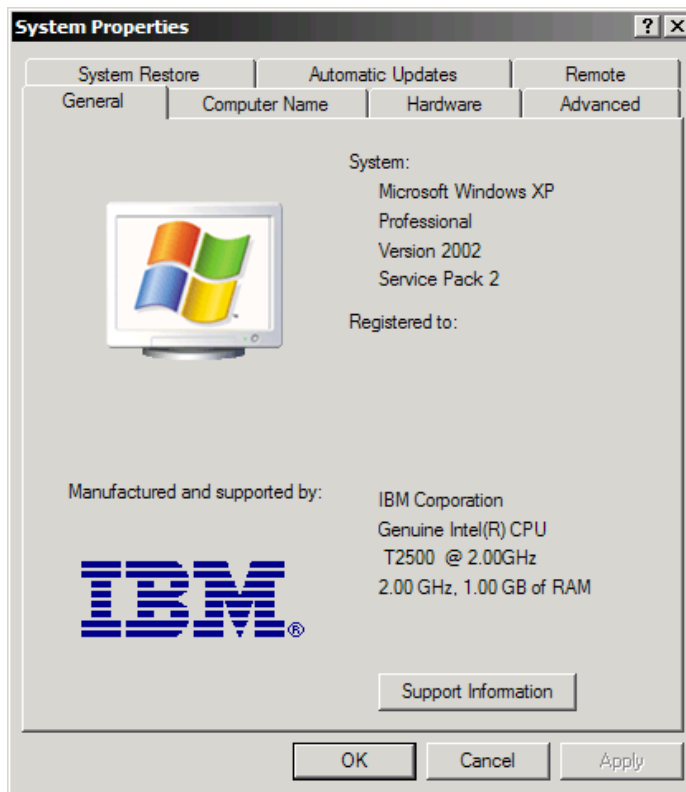
v. 2.1



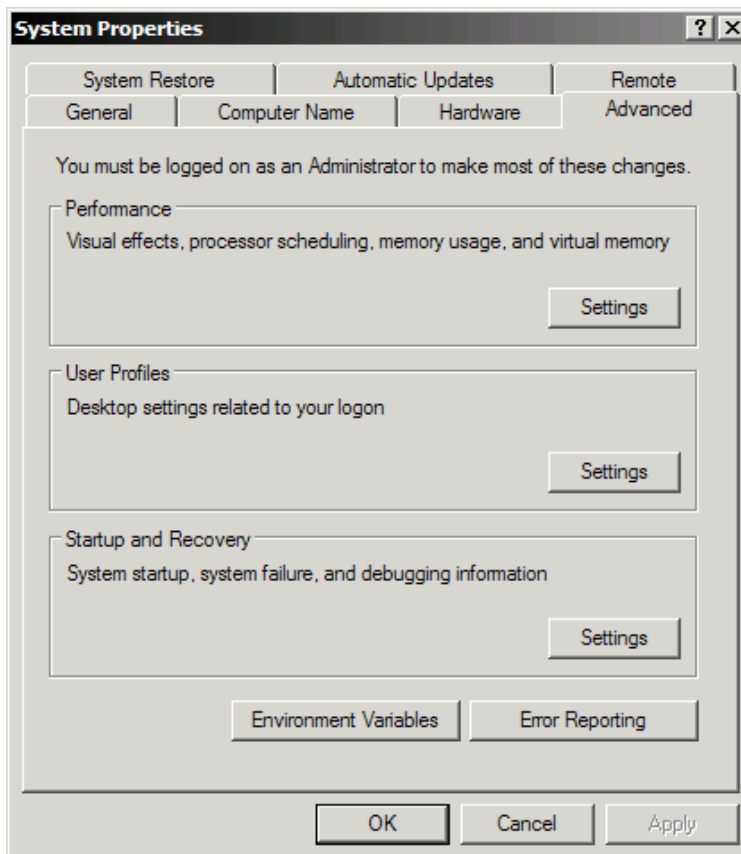
1. Download the latest PHP Windows Binaries - Zip Package
  1. <http://www.php.net/downloads.php>
  2. 5.2.1 at the time of writing
2. Extract to a directory
  1. This will be known as *php\_root* from now on
  2. Default/Recommended: "C:\PHP"



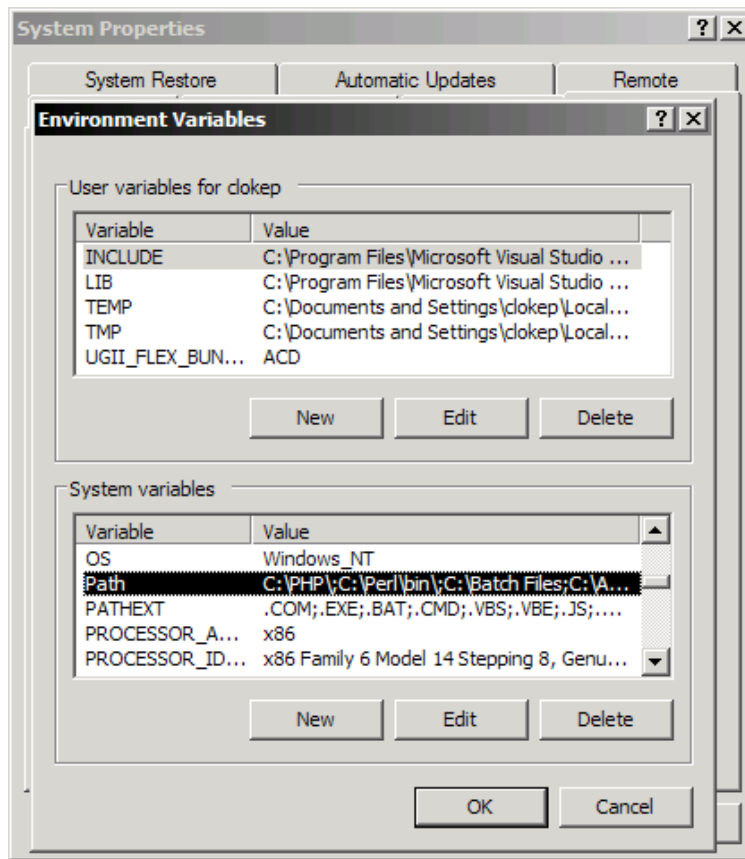
3. Setup PHP
  1. Add to Path
    1. Right click on "My Computer"
    2. Choose "Properties"



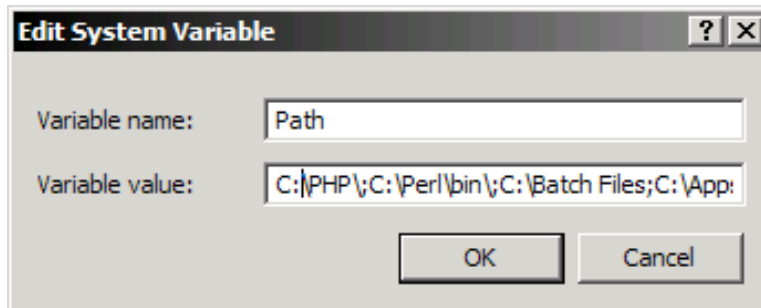
3. Select the “Advanced” tab



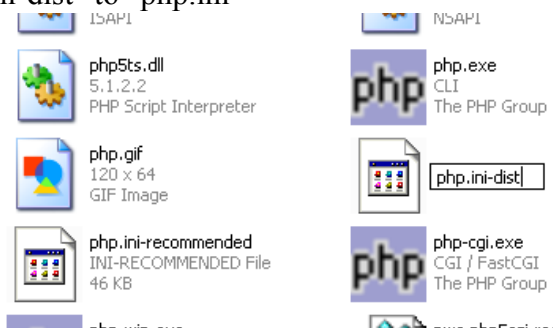
4. Click “Environmental Variables”



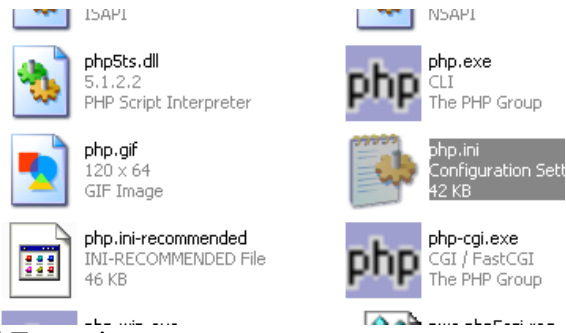
5. Find "Path" under "System Variables" and click "Edit"
  1. Add *php\_root* to it
    1. Ensure that you place a semi-colon before and/or after it to separate it



6. Press "OK" until all windows are closed
2. Go to "*php\_root*"
3. Rename "*php.ini-dist*" to "*php.ini*"



4. Open "*php.ini*"



## 1. Path and Extensions

1. Find:  
extension\_dir = "./"
2. Change to:  
extension\_dir = "./ext"
3. Find:  
doc\_root =
4. Change to:  
doc\_root = "document\_root"

## 2. Extensions (Optional)

1. Find:  
Windows Extensions
2. Uncomment the extensions you need
  1. Remove the ";" to uncomment them
  2. Recommended:
    1. Pictures:  
php\_gd2.dll
    2. Strings:  
php\_mbstring.dll
    3. MySQL:  
php\_mysql.dll
    4. Sockets:  
php\_sockets.dll
    5. Zip:  
php\_zip.dll
  3. Extensions can also be added
    1. extension=extension\_file.dll
  4. More extensions can be downloaded  
<http://pecl.php.net/packages.php>

```
;extension=php_mbstring.dll
;extension=php_bz2.dll
;extension=php_curl.dll
;extension=php_dba.dll
;extension=php_dbase.dll
;extension=php_exif.dll
;extension=php_fdf.dll
;extension=php_filepro.dll
extension=php_gd2.dll
;extension=php_gettext.dll
;extension=php_ifx.dll
;extension=php_imap.dll
;extension=php_interbase.dll
;extension=php_ldap.dll
;extension=php_mcrypt.dll
;extension=php_mhash.dll
;extension=php_mime_magic.dll
;extension=php_ming.dll
;extension=php_mssql.dll
;extension=php_mysql.dll
extension=php_mysqli.dll
;extension=php_oc18.dll
;extension=php_openssl.dll
;extension=php_oracle.dll
;extension=php_pgsql.dll
extension=php_pdf.dll
;extension=php_shmop.dll
;extension=php_snmp.dll
extension=php_sockets.dll
;extension=php_sqlite.dll
;extension=php_sybase_ct.dll
;extension=php_tidy.dll
;extension=php_xmlrpc.dll
;extension=php_xsl.dll
extension=php_zip.dll
```

#### 4. Setup Apache2

1. Go to "*apache\_root/conf*"

1. Open "*httpd.conf*"

1. Add to Bottom:

```
#PHP 5.1.6 Setup:
LoadModule php5_module "php_root\php5apache2_2.dll"
AddType application/x-httpd-php .php .php3 .php4 .php5
      .phtml .phtm
AddType application/x-httpd-php-source .phps
PHPIniDir "php_root"
```

#### 5. Test PHP

1. Create a file named "*info.php*" in *document\_root*

2. Save the following into the file:

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

3. Run Apache2 web server

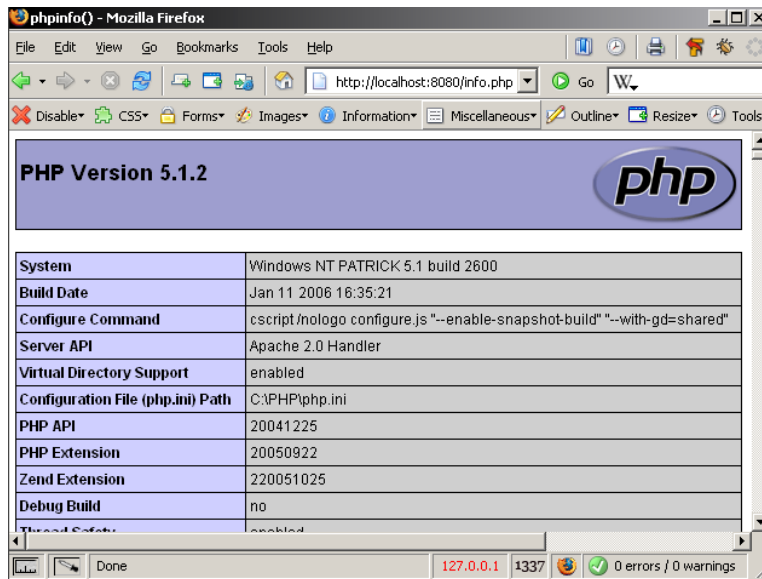
1. Restart Apache2 if it is running

4. Open a web browser

1. Browse to:

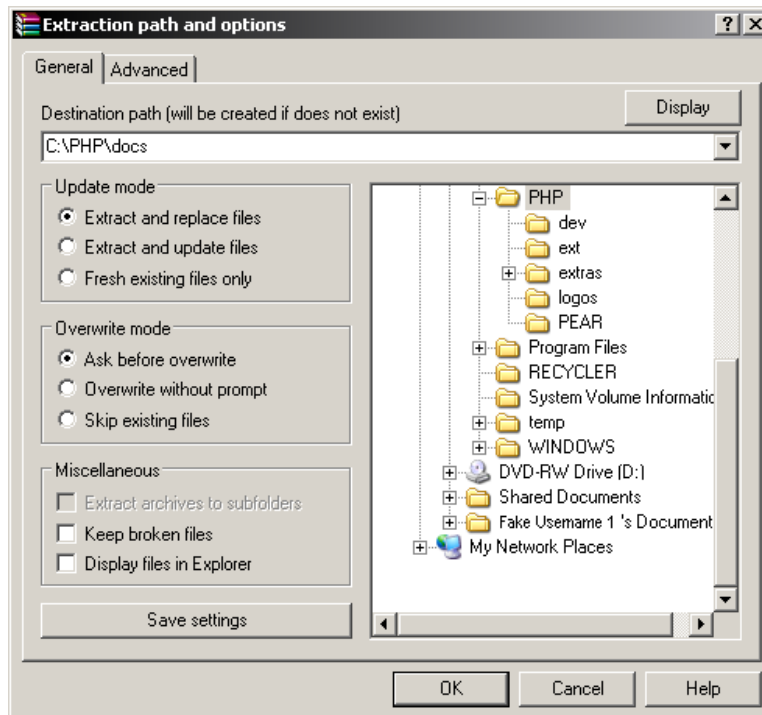
<http://localhost:8080/info.php>

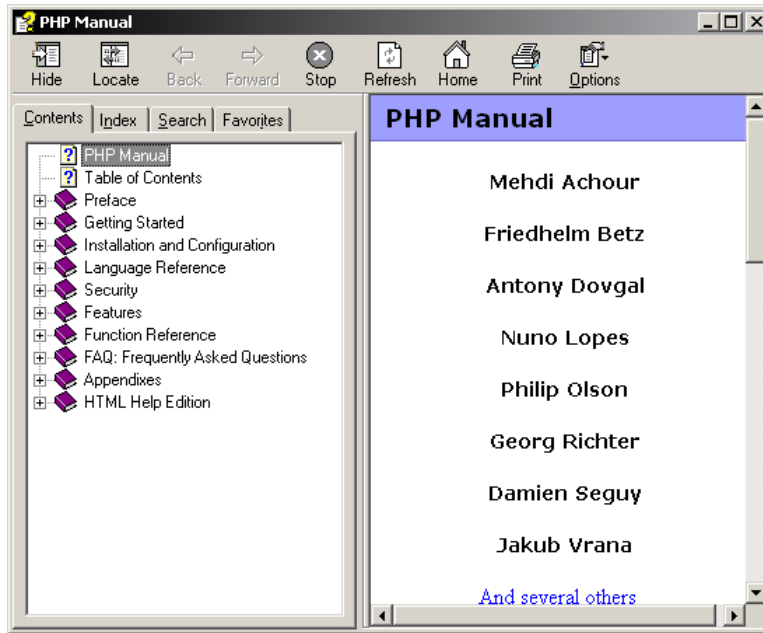
5. If you see the PHP Info page, congratulations!



## 6. Get the PHP Manual (Optional)

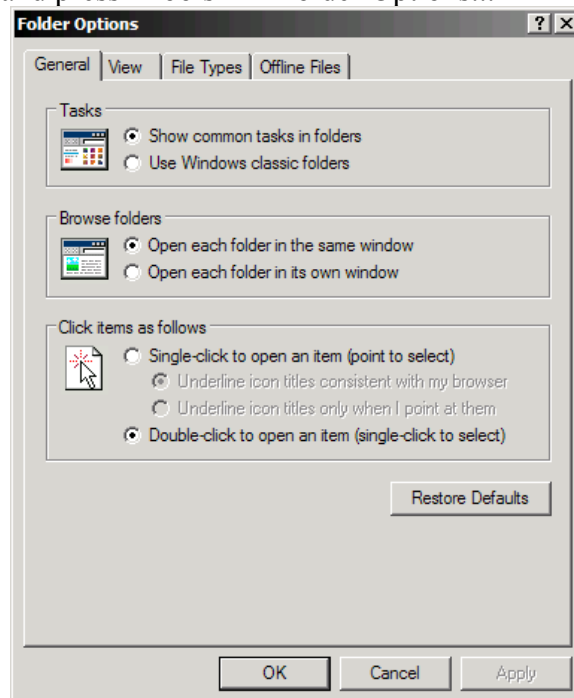
1. Download the PHP Manual – Extended HTML Help  
[http://www.php.net/get/php\\_manual\\_chm.zip/from/a/mirror](http://www.php.net/get/php_manual_chm.zip/from/a/mirror)
2. Extract the PHP Manual to "*php\_root\docs*"
  1. You will need to create this directory
  2. It can be put anywhere, this is just an easy place to remember where it is
3. The "*php\_manual\_en.chm*" file brings up the PHP Manual



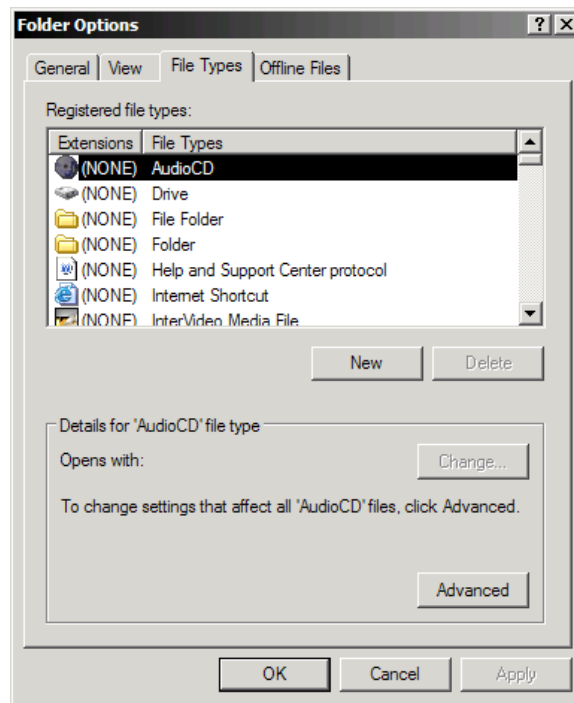


7. Get the PHP Icons (Optional)

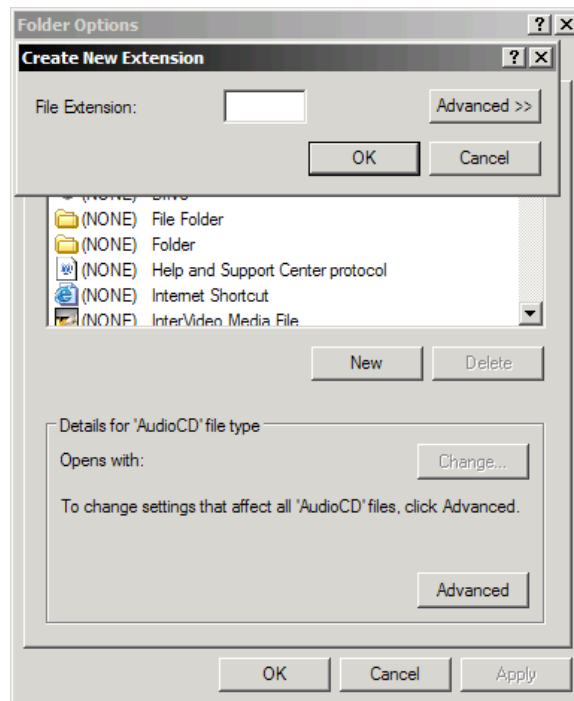
1. Download the icon you wish to use  
<http://www.php.net/download-logos.php>
  1. Make sure the extension is “.ico”
2. Right click and press “Save file as...”
3. Browse to *php\_root* and save it
4. Open a folder and press “Tools” > “Folder Options...”



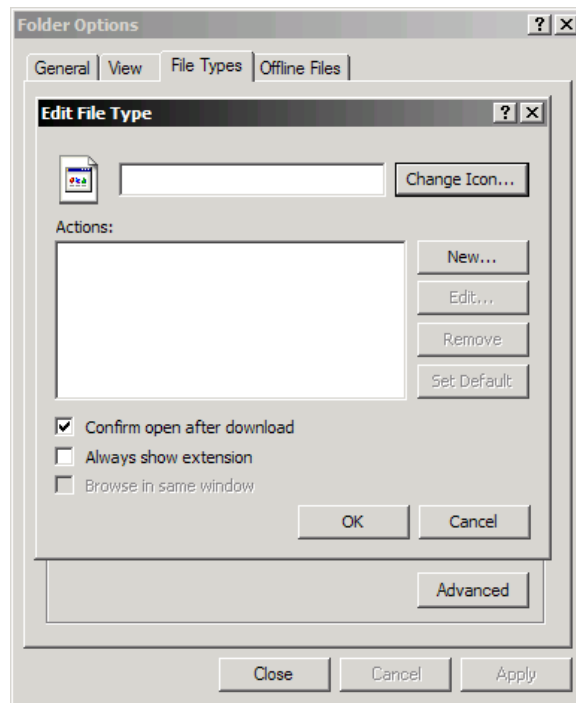
5. Press the “File Types” tab



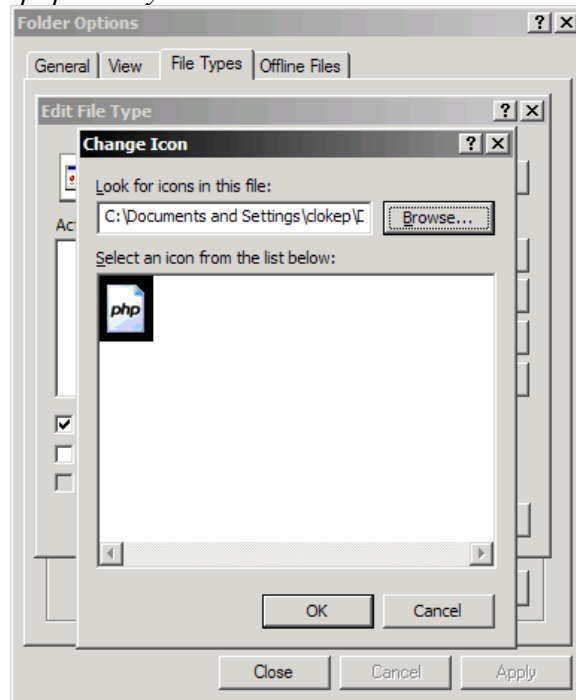
6. Press “New”
7. Type in the extension you will use for PHP files
  1. Usually “php”



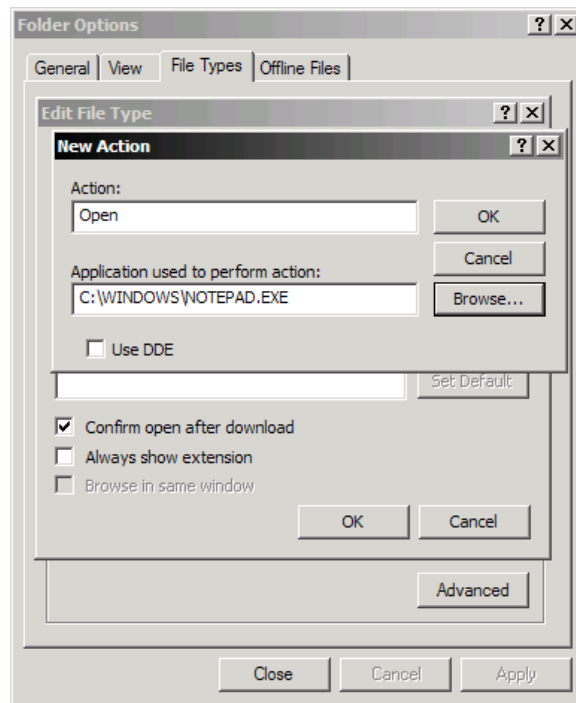
8. Click “OK”
9. Click on the extension you just made
10. Choose “Advanced”



11. Press “Change Icon...”
12. Browse to your *php root/your icon.ico*



13. Select your icon
14. Choose “New...”
  1. Give your action a name
    1. “Open” or “Edit”
    2. Choose an application
      1. Notepad if you do not have anything else installed  
C:\WINDOWS\notepad.exe



15. Close out of everything by pressing “OK”