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How to set up a server with Apache , PHP , MySQL , Perl , phpMyAdmin

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Let's start by installing apache (http server) . you can download the apache installer on www.apache.org . download the version you like , even though , in win systems i recommend version 2 (this tutorial is for apache 2) . here is a link for it :

Code:

http://apache.mirror.nedlinux.nl/dist/httpd/binaries/win32/apache_2.0.52-win32-x86-no_ssl.msi

for a faster mirror , visit <http://httpd.apache.org/download.cgi> .

After downloading the file (.msi installer) , run it . The installation wizard is a next , next , finish 'work' ... The installer will ask you some details like your server name , your server address and the admin's mail address . if you have a domain name or a hostname , enter the info's like this :

Code:

Server Name : your_domain.org

Server Address : www.your-domain.org

Admin Email : admin@yourdomain.org

if you don't have one , you should get one free at :

Code:

<http://www.no-ip.org/>

Check the 'Run as a service for all users on port 8080' option and click next , finish to finish the installation . Advice : Install it in c: (he creates a folder for it , don't worry) to make sure you configure it easier . If you are finished , open up a browser and write in the address bar :

Code:

<http://localhost/>

If you will see a 'Test Page for Apache Installation' , everything works .

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Let's install PHP . download the archives from www.php.net . Here is a direct link for version 4.3.9 :

Code:

<http://nl.php.net/get/php-4.3.9-Win32.zip/from/this/mirror>

Make sure you download the archive and not the installer . Ok! after downloading it , extract the archive in c:/php (this is to simplify paths) .
Now , open up c:/apache/conf/httpd.conf and search for this line :

Code:

```
#LoadModule ssl_module modules/mod_ssl.so
```

under that line , add this :

Code:

```
LoadModule rewrite_module modules/mod_rewrite.so
```

```
LoadModule php4_module "c:/php/sapi/php4apache2.dll"
```

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

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

```
AddType application/x-httpd-php .php4
```

Now search for this line :

Code:

```
<Directory "C:/Apache2/htdocs">
```

Change :

Code:

```
Options Indexes FollowSymLinks
```

```
#
```

```
# AllowOverride controls what directives may be placed in .htaccess files.
```

```
# It can be "All", "None", or any combination of the keywords:
```

```
# Options FileInfo AuthConfig Limit
```

```
#
```

```
    AllowOverride None
```

into :

Code:

```
Options Indexes Includes FollowSymLinks MultiViews ExecCGI
```

```
#
```

```
# AllowOverride controls what directives may be placed in .htaccess files.
```

It can be "All", "None", or any combination of the keywords:

Options FileInfo AuthConfig Limit

#

AllowOverride All

This will allow .htaccess support on your server and make sure you can see the content of a folder without getting a 403 forbidden error .

Now search for :

Code:

DirectoryIndex index.html index.var.html

and change it into :

Code:

DirectoryIndex index.html index.php

Save the file and restart apache . (you can restart it by pressing the Restart apache server shortcut in the start menu or by writing :

Code:

net apache restart

in a command prompt window . Ok!

you have php working for your server icon_wink.gif . Now let's configure php and make sure it really works ! Open up c:/php/php.ini (php.ini-dist renamed) and search for this paragraph :

Code:

max_execution_time = 60 ; Maximum execution time of each script, in seconds

max_input_time = 60 ; Maximum amount of time each script may spend parsing request data

memory_limit = 5M ; Maximum amount of memory a script may consume (8MB)

you should change this to whatever you want . here is an option i use :

Code:

max_execution_time = 300 ; Maximum execution time of each script, in seconds

max_input_time = 300 ; Maximum amount of time each script may spend parsing request data

memory_limit = 5M ; Maximum amount of memory a script may consume (8MB)

Now search for :

Code:

register_globals = Off

and change it into :

Code:
register_globals = On

Search for :

Code:
extension_dir = "."

and change it into :

Code:
extension_dir = "c:/php/extensions"

assuming you have installed php in c: ...

Search for :

Code:
;Windows Extensions
;Note that MySQL and ODBC support is now built in, so no dll is needed for it.

and uncomment (delete the ; in the front) the following modules :

Code:
extension=php_bz2.dll
extension=php_db.dll
extension=php_gd2.dll
extension=php_java.dll
extension=php_mysql.dll
extension=php_pdf.dll
extension=php_pgsql.dll
extension=php_sockets.dll

Ok! now let's change the smtp settings (this is good icon_smile.gif for you mail()
function . you need this !!!) Search for :

Code:
[mail function]
; For Win32 only.
SMTP =
smtp_port = 25

; For Win32 only.
;sendmail_from =

and change to :

Code:

```
[mail function]
```

```
; For Win32 only.
```

```
SMTP = mail.isp.org
```

```
smtp_port = 25
```

```
; For Win32 only.
```

```
sendmail_from = mail@your_domain.org
```

if you don't have a mail server or :

Code:

```
[mail function]
```

```
; For Win32 only.
```

```
SMTP = localhost
```

```
smtp_port = 25
```

```
; For Win32 only.
```

```
sendmail_from = mail@your_domain.org
```

if you have a mail server ...

Save the files . Now let's finalize the php installation . copy all the dll's from c:/php/dlls into c:/windows/system32 . copy c:/php/php4ts.dll into c:/windows/system32/ and copy php.ini from your folder php into windows and system32 folder . restart apache . open up notepad and add this into the file :

Code:

```
<?php
```

```
    phpinfo();
```

```
?>
```

save this file in your htdocs folder (c:/apache/htdocs) as info.php and open up a browser . in the adress bar write :

Code:

```
http://localhost/info.php
```

you should see php's configuration in a table . a looong file icon_smile.gif you can optionally install zend optimizer . i am using it ... it doesn't needs a tutorial . to install the PEAR modules for php , just run the go-pear batch from the php folder and 2click the reg file to finish the instillation .

=====

let's install mysql . download mysql from <http://www.mysql.com/> . this tutorial applies to version 4.0.* ... i don't recomand using mysql 4.1 . here is a direct link :

Code:

<http://dev.mysql.com/get/Downloads/MySQL-4.0/mysql-4.0.22-win.zip>/from/<http://mysql.proserve.nl/>

after downloading , extract the archive somewhere and run the setup.exe .
install mysql in c:/mysql and complete the installation . open up command
prompt and write this :

Code:

```
cd mysql
cd bin
mysqld-max-nt --install
```

this will install mysql as a service . recommended . now you would probably
consider downloading mysql control center . a gui tool to administrate the
server in a graphical mode . here is a link :

Code:

<http://dev.mysql.com/get/Downloads/MySQLCC/mysqlcc-0.9.4-win32.zip>/from/<http://mysql.proserve.nl/>

install it like any other program and run the shortcut in the desktop . a
window will pop-up . it will ask you to add a new connection . here are the
info's you need to fill in :

Code:

```
name : localhost or main or whatever :)
host : localhost
user : root
pass :
```

click add , expand the databases menu and delete database text . now
expand the users menu and delete all users except root@localhost . right
click it and select edit user . change it's password to whatever you want icon_smile.gif
now right click the server and select edit . change the password to the
pass you chose for user root . as easy as that . mysql is installed !

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phpMyAdmin . you can download it from <http://www.phpmyadmin.net/> .
i recommend using version 2.5.1 pl1 . the last version is still buggy icon_smile.gif
download , unzip the content into a folder in htdocs (phpMyAdmin) and
open up config.inc.php with a text editor .

search for :

Code:

```
$cfg['PmaAbsoluteUri'] = '';
```

change it to your phpmyadmin url . eg. :

Code:

```
$cfg['PmaAbsoluteUri'] = http://www.your_domain.org/phpMyAdmin/';
```

now search for :

Code:

```
$cfg['blowfish_secret'] = '';
```

and change it to your mysql root password like this :

Code:

```
$cfg['blowfish_secret'] = 'password';
```

now search for :

Code:

```
$cfg['Servers'][$i]['auth_type'] = 'config';
```

and change it to :

Code:

```
$cfg['Servers'][$i]['auth_type'] = 'cookie';
```

save and exit . that's it ! phpMyAdmin works icon_wink.gif

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Perl . Optionl for your server , very usefull . i recomend you to install it . you can download it from <http://www.activestate.com/> . here is a direct link :

Code:

```
http://downloads.activestate.com/ActivePerl/Windows/5.8/ActivePerl-5.8.4.810-MSWin32-x86.msi
```

download , install and you are ready . put your perl scripts in the /cgi-bin/ folder (c:/apache/cgi-bin) .

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Hope this helped , you're welcome . No , you don't need to pay