# OSX Setup Web Server PHP MySQL Cheat Sheet

by dockawash via cheatography.com/26413/cs/7651/

## Apache Setup

**httpd**

> Check version

```
httpd -v
```

**Apache**

> Start & version

```
sudo apachectl start
```

> Test localhost in browser

http://localhost

**Setup user**

> Create user Sites folder

```
mkdir ~/Sites
```

> Create or edit user apache .conf file, don't forget to replace USERNAME by yours

```
sudo nano /etc/a pac he2 /us ers /US ERN AME.conf
```

> Paste in USERNAME.conf

```
<Di rectory " /Us ers /*/ Sit es/ ">
  Options Indexes MultiViews Follow Sym Links
  AllowO verride All
  Require all granted
</D ire cto ry>
```

**httpd.conf**

> Edit httpd.conf

```
sudo nano /etc/a pac he2 /ht tpd.conf
```

> Uncomment these line to activate mandatories modules

```
LoadModule userdi r_m odule libexe c/a pac he2 /mo d_u s
er dir.so
LoadModule alias_ module libexe c/a pac he2 /mo d_a lias
.so
LoadModule rewrit e_m odule libexe c/a pac he2 /mo d_r e
wr ite.so
LoadModule php5_m odule libexe c/a pac he2 /li bph p5.so
```

> Change default apache user `_www` to `USERNAME` in httpd.conf

```
User USERNAME
Group staff
```

> Allow .htaccess and Override

```
<Di rectory " /Li bra ry/ Web Ser ver /Do cum ent s">
  ...
  AllowO verride All
  ...
</D ire cto ry>
```

> Activate userdir conf

```
Include /priva te/ etc /ap ach e2/ ext ra/ htt pd- use r
di r.conf
```

## Apache Setup (cont)

**httpd-userdir.conf**

> Edit httpd-userdir.conf

```
sudo nano /etc/a pac he2 /ex tra /ht tpd -us erd ir.c
```

> Uncomment or add this line at the end

```
Include /priva te/ etc /ap ach e2/ use rs/ *.conf
```

**Restart apache**

```
sudo apachectl restart
```

**PHP test file**

> Create php test file

```
printf " <?php phpinfo(); ?>" > ~/Site s/p hpi nfo.ph
```

> Test phpinfo in browser

http://localhost/USERNAME/phpinfo.php

**Auto start apache**

> Set to auto start

```
sudo launchctl load -w /Syste m/L ibr ary /La unc hDa
h ttp d.plist
```

> Unset to auto start

```
sudo launchctl unload /Syste m/L ibr ary /La unc hDa
 ttp d.plist
```

## Add New Website

You can either way create a new folder in **`/Libra ry/ Web Ser ver /Do cum ents/`** or in **`/Users /US ERN AME /Sites/`**

**`/Libra ry/ Web Ser ver /Do cum ents/`**

> Create MYWEBSITE folder

```
sudo mkdir /Libra ry/ Web Ser ver /Do cum ent s/M -
YWE BSITE
```

> And the access in browser

http://localhost/MYWEBSITE

**`/Users /US ERN AME /Sites/`**

> Create MYWEBSITE folder

```
mkdir /Users /US ERN AME /Si tes /MY WEBSITE
```

> And the access in browser

http://localhost/USERNAME/MYWEBSITE




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## Install PHP70

http://w3bsmart.blogspot.fr/2015/08/installing-php-7-on-os-x-yosemite.html

## MySQL Setup

**Download MySQL**

http://dev.mysql.com/downloads/mysql/

> Get the `.dmg` install file for OSX 10.14 and install it

**Command line MySQL**

> Start MySQL

```
sudo /usr/l oca l/m ysq l/s upp ort -fi les /my sql.server start
```

> Check version

```
/usr/l oca l/m ysq l/b in/ mysql -v
```

**Change $PATH**

> edit profile

```
nano ~/.bas h_p rofile
```

> add this line

```
export PATH="/ usr /lo cal /my sql /bi n:$ PAT H"
```

> validate new profile

```
source ~/.bas h_p rofile
```

> test change

```
mysql -v
```

**Change MySQL root password**

```
/usr/l oca l/m ysq l/b in/ mys qladmin -u root password 'your new
wor dhere'
```

**Fix the 2002 MySQL Socket error**

> Error in PhpMysql

```
sudo mkdir /var/mysql
sudo ln -s /tmp/m ysq l.sock /var/m ysq l/m ysq l.sock
```

## PhpMyAdmin

**Download PhpMyAdmin**

https://www.phpmyadmin.net/downloads/

**Extract in /Users/USERNAME/Sites/**

> Then access it

http://localhost/USERNAME/phpMyAdmin

**Extract in /Library/WebServer/Documents/**

## PhpMyAdmin (cont)

> Then access it

http://localhost/phpMyAdmin

## Setup a local domain

**Set httpd.conf**

> Edit httpd.conf

```
sudo nano /etc/a pac he2 /ht tpd.conf
```

> Uncomment

```
Include /priva te/ etc /ap ach e2/ ext ra/ htt pd- vh
LoadModule vhost_ ali as_ module libexe c/a pac he2 /
ias.so
```

**Set the vhosts.conf file**

> Edit vhosts.conf

```
sudo nano /etc/a pac he2 /ex tra /ht tpd -vh ost s.co
```

> Exemple vhost

```
<Vi rtu alHost *:80>
  ServerName mywebs ite.com
  Server Alias www.my web sit e.com
  Docume ntRoot " /Us ers /US ERN AME /Si tes /my web
  ErrorLog " /pr iva te/ var /lo g/a pac he2 /my web
  CustomLog " /pr iva te/ var /lo g/a pac he2 /my web
c ess _lo g" common
  Server Admin web@my web sit e.com
  <Di rectory " /Us ers /US ERN AME /Si tes /my web s
    Options Indexes Follow Sym Links MultiViews
    AllowO verride All
    Order allow,deny
    Allow from all
  </D ire cto ry>
</V irt ual Hos t>
```

**Restart apache**

```
sudo apachectl restart
```

**Set the hosts file**

> Edit hosts

```
sudo nano /etc/hosts
```

> Add this to map domain

```
127.0.0.1 mywebs ite.com www.my web sit e.com
```

> Flush cache

```
dscach eutil -flush cache
sudo dscach eutil -flush cache
```




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## Setup a local domain (cont)

**Losing localhost**

Fix the 403 Forbidden Error

> Edit httpd-vhosts.conf

```
sudo nano /etc/a pac he2 /ex tra /ht tpd -vh ost s.
conf
```

> Add in

```
<Vi rtu alHost *:80>
  ServerName localhost
  Docume ntRoot /Libra ry/ Web Ser ver /Do cum ent
s/
</V irt ual Hos t>
```

**Change default apache user and group**

> Get username and group

```
id
uid=50 1(U SER NAME) gid=20 (staff)
```

> Edit httpd.conf

```
sudo nano /etc/a pac he2 /ht tpd.conf
```

> Change these lines to

```
User USERNAME
Group staff
```

**Restart apache**

```
sudo apachectl restart
```



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