

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/apache2/users/USERNAME.conf
```

> Paste in USERNAME.conf

```
<Directory "/Users/*/Sites/">
    Options Indexes MultiViews FollowSymLinks
    AllowOverride All
    Require all granted
</Directory>
```

↳ httpd.conf

> Edit httpd.conf

```
sudo nano /etc/apache2/httpd.conf
```

> Uncomment these line to activate mandatory modules

```
LoadModule userdir_module libexec/apache2/mod_userdir.so
LoadModule alias_module libexec/apache2/mod_alias.so
LoadModule rewrite_module libexec/apache2/mod_rewrite.so
LoadModule php5_module libexec/apache2/libphp5.so
```

> Change default apache user_www to USERNAME in httpd.conf

```
User USERNAME
Group staff
```

> Allow .htaccess and Override

```
<Directory "/Library/WebServer/Documents">
    ...
    AllowOverride All
    ...
</Directory>
```

> Activate userdir conf

```
Include /private/etc/apache2/extra/httpd-userdir.conf
```

Apache Setup (cont)

↳ httpd-userdir.conf

> Edit httpd-userdir.conf

```
sudo nano /etc/apache2/extra/httpd-userdir.conf
```

> Uncomment or add this line at the end

```
Include /private/etc/apache2/users/*.conf
```

↳ Restart apache

```
sudo apachectl restart
```

↳ PHP test file

> Create php test file

```
printf "<?php phpinfo(); ?>" > ~/Sites/phpinfo.php
```

> Test phpinfo in browser

```
http://localhost/USERNAME/phpinfo.php
```

↳ Auto start apache

> Set to auto start

```
sudo launchctl load -w /System/Library/LaunchDaemons/httpd.plist
```

> Unset to auto start

```
sudo launchctl unload /System/Library/LaunchDaemons/httpd.plist
```

□ Add New Website

You can either way create a new folder in **Library/ Web Server / Documents/** or in **Users / USERNAME / Sites/**

↳ **Library/ Web Server / Documents/**

> Create MYWEBSITE folder

```
sudo mkdir /Library/WebServer/Documents/MYWEBSITE
```

> And the access in browser

```
http://localhost/MYWEBSITE
```

↳ **Users / USERNAME / Sites/**

> Create MYWEBSITE folder

```
mkdir /Users/USERNAME/Sites/MYWEBSITE
```

> 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 10.10 and install it

Command line MySQL

> Start MySQL

```
sudo /usr/local/mysql/scripts/mysql.server
```

> Check version

```
/usr/local/mysql/bin/mysql -v
```

Change \$PATH

> edit profile

```
nano ~/.bash_profile
```

> add this line

```
export PATH="/usr/local/mysql/bin:$PATH"
```

> validate new profile

```
source ~/.bash_profile
```

> test change

```
mysql -v
```

Change MySQL root password

```
/usr/local/mysql/bin/mysqladmin -u root password 'your password here'
```

Fix the 2002 MySQL Socket error

> Error in PhpMySql

```
sudo mkdir /var/mysql
```

```
sudo ln -s /tmp/mysql.sock /var/mysql/mysql.sock
```

PhpMyAdmin (cont)

> Then access it

<http://localhost/phpMyAdmin>

Setup a local domain

Set httpd.conf

> Edit httpd.conf

```
sudo nano /etc/apache2/httpd.conf
```

Uncomment

```
Include /private/etc/apache2/extra/httpd-vhosts.conf
LoadModule vhost_alias_module libexec/apache2/mod_vhost_alias.so
```

Set the vhosts.conf file

> Edit vhosts.conf

```
sudo nano /etc/apache2/extra/httpd-vhosts.conf
```

> Exemple vhost

```
<VirtualHost *:80>
```

```
    ServerName mywebsite.com
```

```
    ServerAlias www.mywebsite.com
```

```
    DocumentRoot "/Users/USERNAME/Sites/mywebsite.com"
```

```
    ErrorLog "/private/var/log/apache2/mywebsite.com-error.log"
```

```
    CustomLog "/private/var/log/apache2/mywebsite.com-access_log" common
```

```
    <Directory "/Users/USERNAME/Sites/mywebsite.com">
```

```
        Options Indexes FollowSymLinks MultiViews
```

```
        ServerAdmin web@mywebsite.com
```

```
    </Directory>
```

```
    Options Indexes FollowSymLinks MultiViews
```

```
    AllowOverride All
```

```
    Order allow,deny
```

```
    Allow from all
```

```
</VirtualHost>
```

```
</VirtualHosts>
```

Restart apache

```
sudo apachectl restart
```

Set the hosts file

> Edit hosts

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

> Add this to map domain

```
127.0.0.1 mywebsite.com www.mywebsite.com
```

> Flush cache

```
dscacheutil -flush cache
```

```
sudo dscacheutil -flush cache
```

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/



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📌 Setup a local domain (cont)

📌 Losing localhost

Fix the 403 Forbidden Error

> Edit httpd-vhosts.conf

```
sudo nano /etc/apache2/extra/httpd-vhosts.conf
```

> Add in

```
<VirtualHost *:80>
```

```
    ServerName localhost
```

```
    DocumentRoot /Library/WebServer/Documents/
```

```
</VirtualHost>
```

📌 Change default apache user and group

> Get username and group

```
id
```

```
uid=501(USERNAME) gid=20 (staff)
```

> Edit httpd.conf

```
sudo nano /etc/apache2/httpd.conf
```

> Change these lines to

```
User USERNAME
```

```
Group staff
```

📌 Restart apache

```
sudo apachectl restart
```



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