

### 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 mandatories 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
```

#### ↳ httpd-userdir.conf

> Edit httpd-userdir.conf

### Apache Setup (cont)

```
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/org.apache.httpd.plist
```

> Unset to auto start

```
sudo launchctl unload
```

```
/System/Library/LaunchDaemons/org.apache.httpd.plist
```

### ▢ Add New Website

You can either way create a new folder in

`/Library/WebServer/Documents/` or in

`/Users/USERNAME/Sites/`

#### ↳ `/Library/WebServer/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>

### Install PHP70

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



By dockawash

[cheatography.com/dockawash/](http://cheatography.com/dockawash/)

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### 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/support-files/mysql.server start
```

> 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
```

```
'yourpasswordhere'
```

#### 🔗 Fix the 2002 MySQL Socket error

> Error in PhpMysql

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

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

> 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"
```

```
    ErrorLog
```

```
"/private/var/log/apache2/mywebsite.com-error_log"
```

```
    CustomLog
```

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

```
common
```

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

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

```
    Options Indexes FollowSymLinks MultiViews
```

```
    AllowOverride All
```

```
    Order allow,deny
```

```
    Allow from all
```

```
</Directory>
```

```
</VirtualHost>
```

#### 🔗 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 -flushcache
```

```
sudo dscacheutil -flushcache
```

#### 🔗 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
```

### 🔗 Setup a local domain (cont)

```
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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