

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>



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
```



By **dockawash**

cheatography.com/dockawash/

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