

Getting Started

(Note: Before you set up your LAMP server locally, first install all the software in this section)

1. Open Terminal (Applications/Utilities/Terminal)
2. install Xcode (<https://developer.apple.com/xcode/>)
3. install Xcode's Command Line tools for Xcode by typing the following into Terminal, which should automatically prompt the download: "xcode-select --install"
4. install XQuartz from <http://xquartz.macosforge.org/>

(Note: The following step-by-step commands should be executed in Terminal and use Brew (<http://brew.sh>) as the OS X package and dependency manager.)

Homebrew Setup

1. `ruby -e "$(curl -fsSL https://raw.githubusercontent.com/mxcl/homebrew/go)"`
2. `brew doctor`
3. `brew tap homebrew/dupes`
4. `brew tap josegonzalez/homebrew-php`

Install Some Base Dependencies for LAMP and Other Software

1. `brew install gtk+`
2. `brew install git`
3. `brew install curl-ca-bundle`
4. `brew install autoconf automake apple-gcc42 libksba libtool pkg-config libyaml`
5. `brew install node`
6. `sudo apachectl restart`
7. `brew doctor`
8. `brew update`

Install PHP

1. brew install php54 --with-pgsql
2. brew install php54-xdebug
3. brew install mcrypt php54-mcrypt
4. sudo apachectl restart
5. vi ~/.bash_profile
6. export PATH="\$(brew --prefix josegonzalez/php/php54)/bin:\$PATH"

Install MySQL

1. vi ~/.bash_profile
 - export PATH="/usr/local/mysql/bin:\$PATH"
2. brew install mysql
3. mkdir -p ~/Library/LaunchAgents
4. ln -sfv /usr/local/opt/mysql/*.plist ~/Library/LaunchAgents
5. launchctl load -w ~/Library/LaunchAgents/homebrew.mxcl.mysql.plist
6. mysql_secure_installation (*Note: there will be several "y" (yes) and "n" (no) questions to answer to set up MySQL with the secure install option. The script will finish once your answers have been inputted*)
7. mysql.server start

Install/Configure Apache

1. sudo vi /etc/apache2/httpd.conf
2. Enable and disable relevant PHP modules:
 - After the commented LoadModule directive (#LoadModule php5_module libexec/apache2/libphp5.so), add the following: LoadModule php5_module /usr/local/Cellar/php54/5.4.12/libexec/apache2/libphp5.so (*Note: ensure*

that the version (5.4.12 here) you actually install from Brew matches the path)

- Uncomment the following: Include /private/etc/apache2/extra/httpd-vhosts.conf
 - Comment out the following: LoadModule hfs_apple_module libexec/apache2/mod_hfs_apple.so
3. sudo apachectl restart (*Note: a restart of Apache before further edits effectuates step 2's changes*)
 4. sudo vi /etc/apache2/httpd.conf
 5. Ensure the DocumentRoot is set to "Library/WebServer/Documents"
 6. In Finder (Go > Go To Folder...), open the directory /etc/apache2/users
 7. Create a file in it named "yourusername.conf" (e.g. - ampodobas.conf)
 8. Add the following in yourusername.conf:

```
<Directory "/Users/yourusername/Sites/">  
    Options Indexes MultiViews  
    AllowOverride All  
    Order allow,deny  
    Allow from all  
</Directory>
```

9. sudo apachectl restart
10. If you don't have a Sites folder, create one with: mkdir /Users/yourusername/Sites
11. visit <http://localhost/~yourusername> in a web browser. This should show an empty directory listing, so test it by putting in a website project directory in /Users/yourusername/Sites, visiting the aforementioned link in a browser, and clicking the directory name of your project. It should then load using localhost.