

Getting Started

1. open Terminal (Applications/Utilities/Terminal)
2. install Xcode (<https://developer.apple.com/xcode/>)
3. install Xcode's Command Line tools for Xcode (Google search for this link)
4. install XQuartz from <http://xquartz.macosforge.org/>

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 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`
7. `mysql.server start`

Install/Configure Apache

1. `sudo vi /etc/apache2/httpd.conf`
2. Add after the commented LoadModule directive:
 - `#LoadModule php5_module libexec/apache2/libphp5.so`
 - `LoadModule php5_module /usr/local/Cellar/php54/5.4.12/libexec/apache2/libphp5.so`
 - (Note: ensure that the version you actually install from Brew matches the path)
 - (Note: uncomment the following: `Include /private/etc/apache2/extra/httpd-vhosts.conf`)
3. `sudo apachectl restart`
4. `sudo vi /etc/apache2/httpd.conf`
5. Ensure DocumentRoot is set to `DocumentRoot "/Library/WebServer/Documents/"`
6. Change "AllowOverride None" to "AllowOverride All"
7. Add the following:

```
NameVirtualHost *:80
```

```
<Directory "/Users/name/Sites">  
    Options Indexes FollowSymLinks MultiViews  
    AllowOverride All  
    Order allow,deny  
    Allow from all  
</Directory>  
  
<VirtualHost _default_:80>  
    ServerName localhost  
    DocumentRoot /Library/WebServer/Documents  
</VirtualHost>
```

8. sudo apachectl restart

Setup Sites

1. mkdir /Users/ampodobas/Sites
2. visit http://localhost in a web browser

IT Security Software

1. brew install ettercap
2. brew install wireshark --with -x