

CS 641, Haik Sahakian

Mobile Web Development

Apache Server

Download

- ❖ Apache can be downloaded as part of packages like XAMPP, AMP, etc
- ❖ Apache comes with Mac OS
- ❖ Apache can be installed individually, but it's harder

Configure

- ❖ Edit the http.conf to set up your web server and set up its home directory
- ❖ On Macs you'll need to use sudo if you're using the built-in Apache
- ❖ Apache 2.4.16 ships with El Capitan, other versions in earlier OSes
- ❖ I put sample configuration settings at <http://webpage.pace.edu/hsahakian/examples/apache/>

Run

- ❖ Check out the apachectl commands available at <http://www.informit.com/articles/article.aspx?p=26130>

```
% apachectl help
```

```
usage: /usr/local/bin/apachectl (start|stop|restart|  
fullstatus|status|graceful|configtest|help)
```

```
start - start httpd
```

```
stop - stop httpd
```

```
restart - restart httpd if running by sending a SIGHUP or start if  
not running
```

```
fullstatus - dump a full status screen; requires lynx and mod_status enabled
```

```
status - dump a short status screen; requires lynx and mod_status enabled
```

```
graceful - do a graceful restart by sending a SIGUSR1 or start if not running
```

```
configtest - do a configuration syntax test
```

```
help - this screen
```

Helpful Articles on Installing Apache

Installing Apache Web Server

- ❖ If you're on a Mac, you will likely already have Apache installed on your system as a part of OS X. If not, you can install it with XAMPP (below), or Homebrew (also used in our first week's readings).
- ❖ If you're on Windows and need to set up a web server, the easiest way is to install XAMPP.
- ❖ XAMPP installs other web development software by default, but its installer options allow you to limit the installation to just Apache and PHP.

Homebrew: <https://echo.co/blog/os-x-109-local-development-environment-apache-php-and-mysql-homebrew>

XAMPP: <https://www.apachefriends.org/index.html>

Configuring Apache Web Server

- ❖ For Apache to work, it will need to be running, and its configuration files will need to know where your web site is located.
- ❖ To see if it's running, point your browser to <http://localhost> and see if the server responds. If it doesn't, you'll need to start it.
Starting Apache on Mac OS: <http://mallinson.ca/osx-web-development/>
Starting Apache on Windows: Just use the shortcuts in Program Files
- ❖ To tell Apache where your web site directory is, open its http.conf settings file and change its DocumentRoot setting to the directory.
Detailed instructions: <http://stackoverflow.com/questions/5891802/how-do-i-change-the-root-directory-of-an-apache-server>
The DocumentRoot property: <http://httpd.apache.org/docs/2.2/mod/core.html#documentroot>

