

1. 安装Homebrew

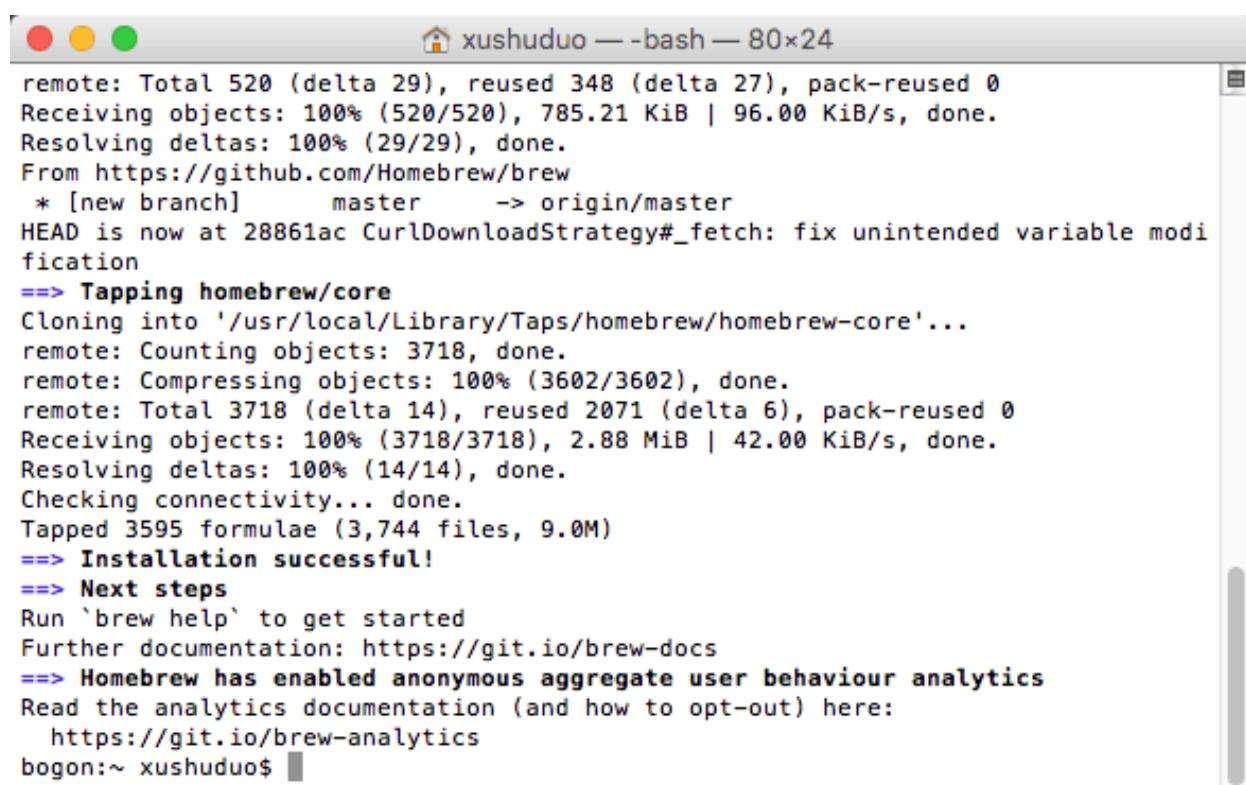
已经安装了brow的可以直接跳过这一步。

查看是否安装: brew -v

安装命令:

```
1. ruby -e "$(curl -fsSL https://raw.githubusercontent.com/Homebrew/install/master/install)"
```

```
1. wangzhangguoyu:/ duoyi$ brew -v
2. Homebrew 1.0.7
3. Homebrew/homebrew-core (git revision e6d9; last commit 2016-10-11)
```



```
xushudu — -bash — 80x24
remote: Total 520 (delta 29), reused 348 (delta 27), pack-reused 0
Receiving objects: 100% (520/520), 785.21 KiB | 96.00 KiB/s, done.
Resolving deltas: 100% (29/29), done.
From https://github.com/Homebrew/brew
 * [new branch]      master      -> origin/master
HEAD is now at 28861ac CurlDownloadStrategy#_fetch: fix unintended variable modification
==> Tapping homebrew/core
Cloning into '/usr/local/Library/Taps/homebrew/homebrew-core'...
remote: Counting objects: 3718, done.
remote: Compressing objects: 100% (3602/3602), done.
remote: Total 3718 (delta 14), reused 2071 (delta 6), pack-reused 0
Receiving objects: 100% (3718/3718), 2.88 MiB | 42.00 KiB/s, done.
Resolving deltas: 100% (14/14), done.
Checking connectivity... done.
Tapped 3595 formulae (3,744 files, 9.0M)
==> Installation successful!
==> Next steps
Run `brew help` to get started
Further documentation: https://git.io/brew-docs
==> Homebrew has enabled anonymous aggregate user behaviour analytics
Read the analytics documentation (and how to opt-out) here:
  https://git.io/brew-analytics
bogon:~ xushudu$
```

2. 安装Nginx

clone nginx到本地

```
1. brew tap homebrew/nginx
```

执行安装:

```
1. brew install nginx-full --with-rtmp-module
```

安装过程比较缓慢，通过以上操作，nginx和rtmp就安装好了

```
xushuduo — bash — 80x24

nginx will load all files in /usr/local/etc/nginx/servers/.

- Tips -
Run port 80:
$ sudo chown root:wheel /usr/local/Cellar/nginx-full/1.10.1/bin/nginx
$ sudo chmod u+s /usr/local/Cellar/nginx-full/1.10.1/bin/nginx
Reload config:
$ nginx -s reload
Reopen Logfile:
$ nginx -s reopen
Stop process:
$ nginx -s stop
Waiting on exit process
$ nginx -s quit

To have launchd start homebrew/nginx/nginx-full now and restart at login:
  brew services start homebrew/nginx/nginx-full
Or, if you don't want/need a background service you can just run:
  nginx
→ Summary
  /usr/local/Cellar/nginx-full/1.10.1: 7 files, 1.2M, built in 2 minutes 5 seconds
bogon:~ xushuduo$
```

查询nginx安装地址：

1. brew info nginx-full

```
xushuduo — bash — 80x24

The default port has been set in /usr/local/etc/nginx/nginx.conf to 8080 so that
nginx can run without sudo.

nginx will load all files in /usr/local/etc/nginx/servers/.

- Tips -
Run port 80:
$ sudo chown root:wheel /usr/local/Cellar/nginx-full/1.10.1/bin/nginx
$ sudo chmod u+s /usr/local/Cellar/nginx-full/1.10.1/bin/nginx
Reload config:
$ nginx -s reload
Reopen Logfile:
$ nginx -s reopen
Stop process:
$ nginx -s stop
Waiting on exit process
$ nginx -s quit

To have launchd start homebrew/nginx/nginx-full now and restart at login:
  brew services start homebrew/nginx/nginx-full
Or, if you don't want/need a background service you can just run:
  nginx
bogon:~ xushuduo$
```

nginx安装所在位置：

1. /usr/local/Cellar/nginx-full/1.10.1/bin/nginx

配置文件所在位置：

```
1. /usr/local/etc/nginx/nginx.conf
```

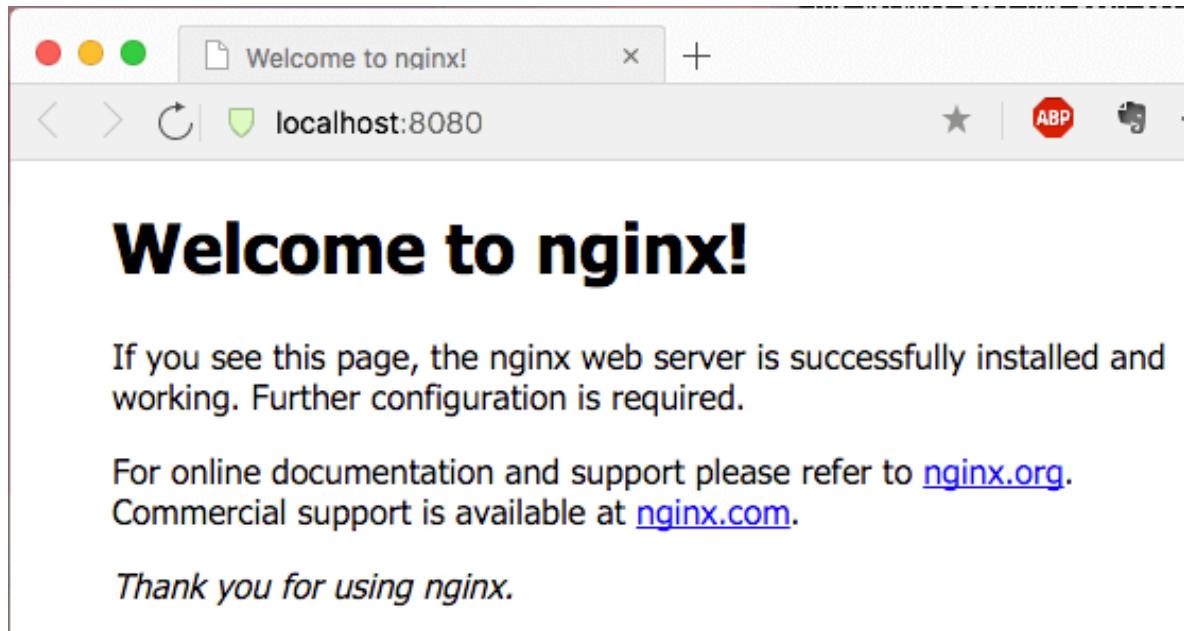
3. 运行nginx

执行以下命令，测试是否能够启动服务：

```
1. nginx
```

在浏览器地址栏输入：<http://localhost:8080>

如果出现如下图，则代表nginx安装成功了



端口占用，防火墙问题 导致无法启动 百度一下。

4. 配置rtmp

修改配置文件：

```
1. /usr/local/etc/nginx/nginx.conf
```

在配置文件最底部添加以下内容：

```
1. rtmp {
2.
3.     server {
4.         listen 1935;
5.
6.         #直播流配置
7.         application rtmplive {
8.             live on;
9.             #为 rtmp 引擎设置最大连接数。默认为 off
10.            max_connections 1024;
11.        }
12.
13.        application hls{
14.            live on;
15.            hls on;
16.            hls_path /usr/local/var/www/hls;
17.            hls_fragment 1s;
18.        }
19.    }
20.}
```

配置完成后，重启nginx

```
1. nginx -s reload
```

5.安装ffmpeg工具

```
1. brew install ffmpeg
```

安装这个需要等待一段时间

```
xushuduo — bash — 80x24
-- Installing ffmpg dependency: xvid
-- Downloading https://homebrew.bintray.com/bottles/xvid-1.3.4.el_capitan.bottle.tar.gz
#####
-- Pouring xvid-1.3.4.el_capitan.bottle.tar.gz
🍺 /usr/local/Cellar/xvid/1.3.4: 9 files, 1.3M
-- Installing ffmpg
-- Downloading https://homebrew.bintray.com/bottles/ffmpeg-3.1.1.el_capitan.bottle.tar.gz
#####
-- Pouring ffmpeg-3.1.1.el_capitan.bottle.tar.gz
-- Caveats
The native FFmpeg AAC encoder has been stable since FFmpeg 3.0. If you
were using libvo-aacenc or libaacplus, both of which have been dropped in
FFmpeg 3.0, please consider switching to the native encoder (-c:a aac),
fdk-aac (-c:a libfdk_aac, ffmpeg needs to be installed with the
--with-fdk-aac option), or faac (-c:a libfaac, ffmpeg needs to be
installed with the --with-faac option).

See the announcement
https://ffmpeg.org/index.html#removing_external_aac_encoders for details,
and https://trac.ffmpeg.org/wiki/Encode/AAC on best practices of encoding
AAC with FFmpeg.
-- Summary
🍺 /usr/local/Cellar/ffmpeg/3.1.1: 236 files, 50.1M
bogon:~ xushuduo$
```

6.ffmpeg推流

准备一个视频文件来推流，再安装一个流媒体视频播放器。Mac下可以使用VLC

修改以下代码视频路径，进行推流

```
1. ffmpeg -re -i /Users/xushuduo/Desktop/test.mp4 -vcodec libx264 -acodec aac -
```

将视频推流到服务器后，打开VLC，然后file->open network->输入：

```
1. rtmp://localhost:1935/rtmplive/room
```

7.总结

经过上面的步骤，如果你能在VLC通过地址看到测试视频，那么rtmp流媒体服务器就搭建完成了。

