

# 虚谷号 Nginx RTMP

## 一、安装 Nginx

### 1. 安装编译库

```
scope@localhost:~$ sudo apt-get update
scope@localhost:~$ sudo apt-get install libssl-dev
# sudo apt-get install libpcre3 libpcre3-dev openssl libssl-dev
```

### 2. 下载 Nginx 和插件

```
scope@localhost:~$ cd Downloads
scope@localhost:~/Downloads$ wget https://nginx.org/download/nginx-1.16.1.tar.gz
scope@localhost:~/Downloads$ git clone https://github.com/winshining/nginx-http-flv-module.git
```

利用 `unzip nginx-http-flv-module.zip` 和 `tar -zxvf nginx-1.16.1.tar.gz` 解压

### 3. 编译

```
'''
./configure --add-dynamic-module=/path/to/nginx-http-flv-module
make
sudo make install
'''
```

```
scope@localhost:~/Downloads$ cd nginx-1.16.1
scope@localhost:~/Downloads/nginx-1.16.1$ ./configure --add-dynamic-module=../nginx-http-flv-module
scope@localhost:~/Downloads/nginx-1.16.1$ make
scope@localhost:~/Downloads/nginx-1.16.1$ sudo make install
```

### 4. 运行

Nginx 安装目录在 `/usr/local/nginx` 下

```
scope@localhost:~$ cd /usr/local/nginx
scope@localhost:/usr/local/nginx$ sudo ./sbin/nginx
```

### 5. 测试

浏览器输入虚谷号 IP 地址，出现经典的 NGINX 页面



## 二、配置点播视频服务器

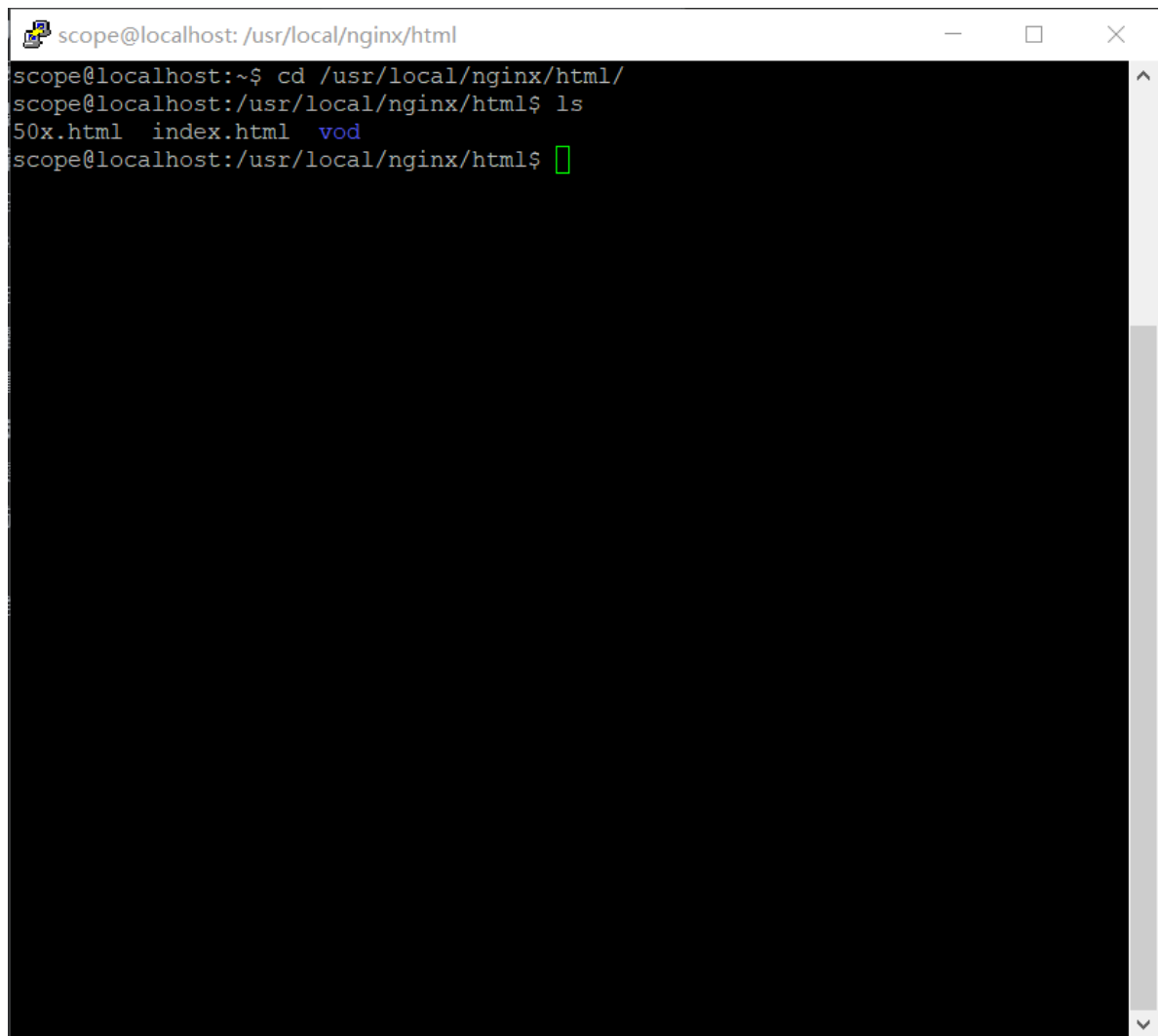
### 1. 设置配置文件

```
scope@localhost:~$ cd /usr/local/nginx/conf/  
scope@localhost:/usr/local/nginx/conf$ sudo vim nginx.conf
```

在配置文件中添加 `rtmp` 的相关设置内容：

```
events {  
    worker_connections 1024;  
}  
  
rtmp {  
    #RTMP服务  
    server {  
        listen 1935; #//服务端口  
        chunk_size 4096; #//数据传输块的大小  
  
        application vod {  
            play /usr/local/nginx/html/vod; #//视频文件存放位置  
        }  
    }  
}
```



A terminal window titled 'scope@localhost: /usr/local/nginx/html' with standard window controls. The terminal shows the following commands and output:

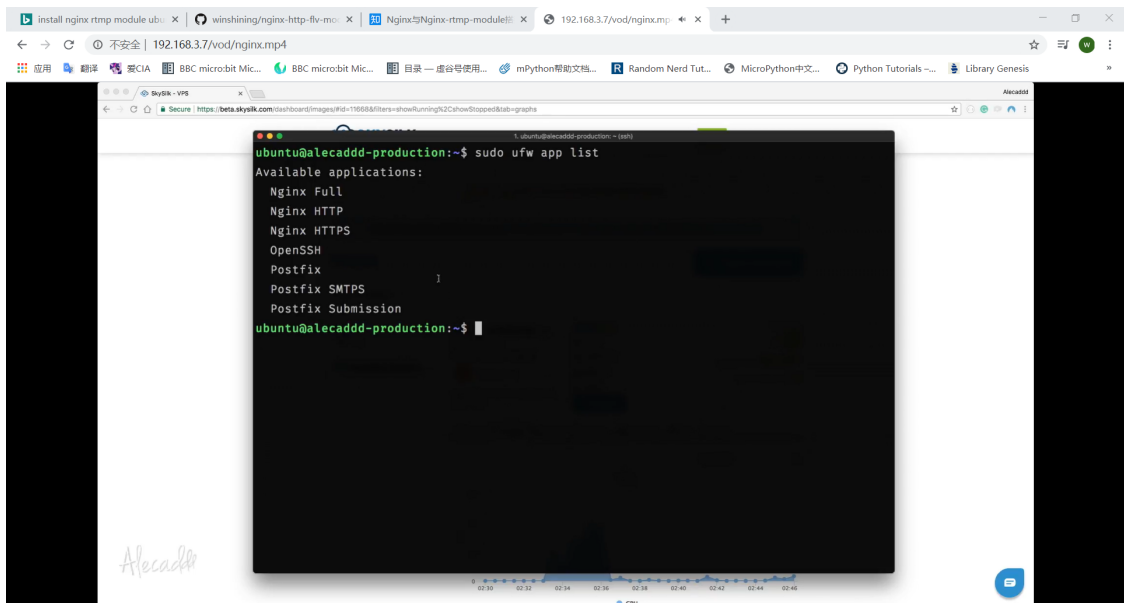
```
scope@localhost:~$ cd /usr/local/nginx/html/  
scope@localhost:/usr/local/nginx/html$ ls  
50x.html  index.html  vod  
scope@localhost:/usr/local/nginx/html$
```

#### 4. 播放视频

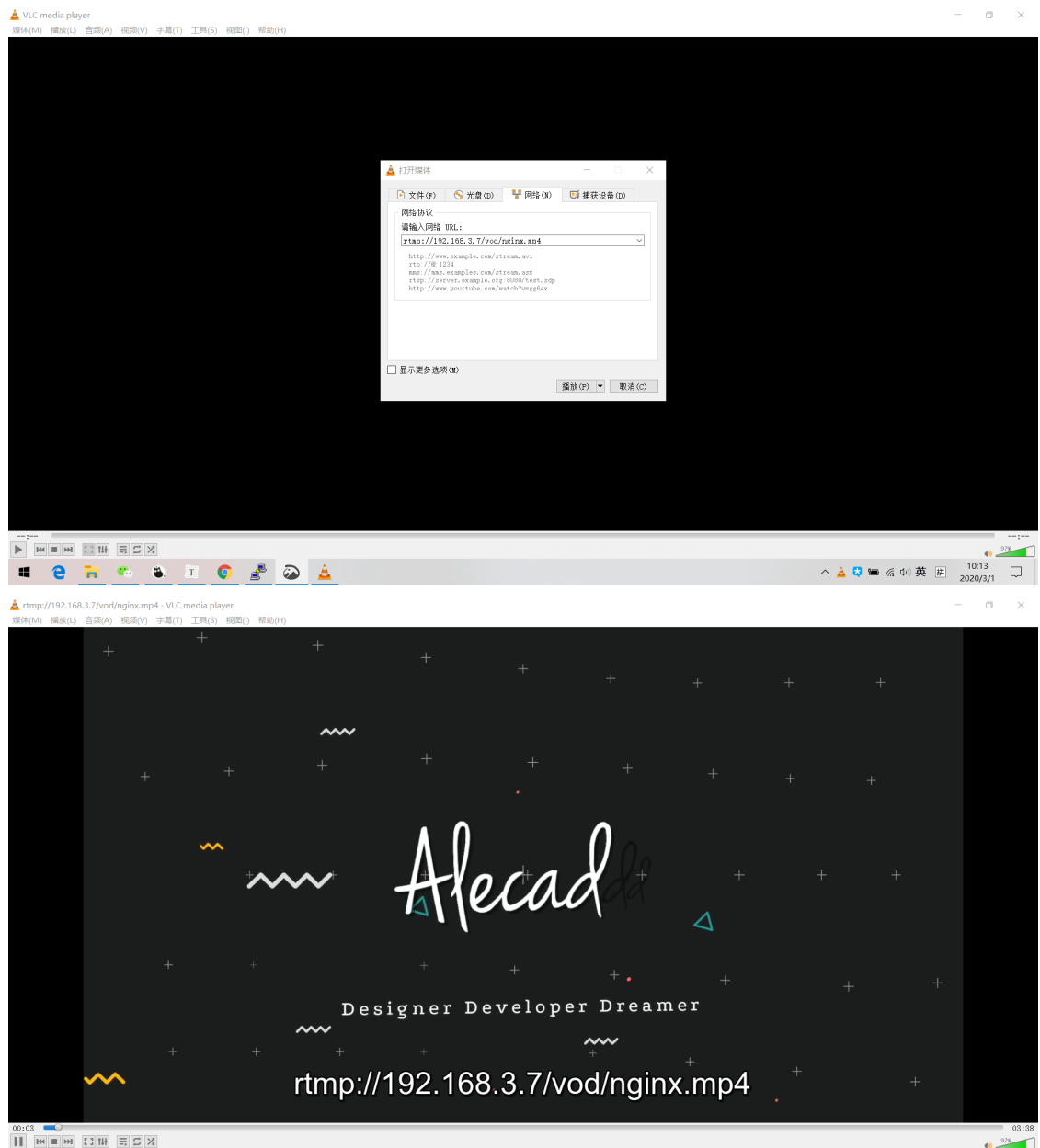
把 MP4 视频文件考入 `vod` 文件夹中

```
scope@localhost: /usr/local/nginx/html/vod
scope@localhost:~$ cd /usr/local/nginx/html/
scope@localhost:/usr/local/nginx/html$ ls
50x.html  index.html  vod
scope@localhost:/usr/local/nginx/html$ cd vod/
scope@localhost:/usr/local/nginx/html/vod$ ls
nginx.mp4
scope@localhost:/usr/local/nginx/html/vod$
```

- 浏览器输入 `xxx.xxx.xxx/vod/name.mp4` (xxx.xxx.xxx 为虚谷号 IP 地址), 进行播放



- VLC: 媒体 --> 打开网络串流, 输入 `rtmp://192.168.3.7/vod/name.mp4` 进行播放



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## 附录

### 1.参考

- How to set up your own private RTMP server using nginx  
<https://obsproject.com/forum/resources/how-to-set-up-your-own-private-rtmp-server-using-nginx.50/>
- Nginx与Nginx-rtmp-module搭建RTMP视频直播和点播服务器  
<https://zhuanlan.zhihu.com/p/28009037>
- nginx-http-flv-module  
<https://github.com/winshining/nginx-http-flv-module/blob/master/README.CN.md>
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