## Launch Apache2 Server in AWS EC2 Instance

2 ways to hold web page on a server: AWS S3 or AWS EC2.

S3 needs you to store your website files (js, html, css) in its "S3 bucket".

EC2 needs you to run a server on the system and put website files in certain folder.

## Before launching:

A running AWS EC2 instance (in Ubuntu system)



keypair file, e.g. my\_first\_aws\_keypair.pem Filezilla

### Steps:

## 1. Connect remote system with SSH

xingjis-air:~ xingjichen\$ ssh -i my\_first\_aws\_keypair.pem ubuntu@54.\*\*\*.\*\*\*.77

-> Make sure we have the keypair file in current directory.

2. (Optional) Switch to root user (in case permission denied)

\$ sudo su

## 3. Install Apache2 and check status

\$ sudo apt-get install apache2

-> This may take a few seconds

\$ sudo systemctl status apache2.service

-> check server status

\$ sudo systemctl stop apache2.service

-> Stop server, and we will see

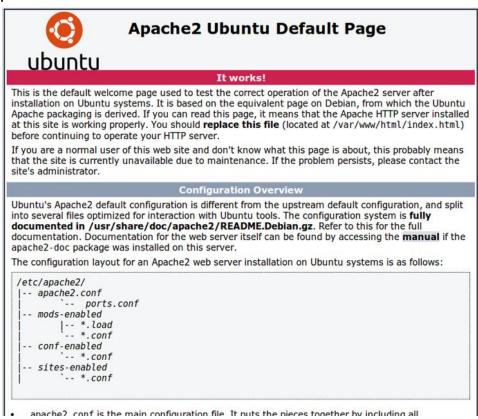
```
Drop-In: /lib/systemd/system/apache2-systemd.conf
Active: inactive (dead) since I
Docs: man:systemd-sysv-gener.
Process: 2700 ExecStop=/etc/init
```

\$ sudo systemctl start apache2.service

-> Start server.

### 4. Deploy webpage

After step 3, we should see default Apache server page <u>index.html</u> if we enter the public IP address of our instance in browser



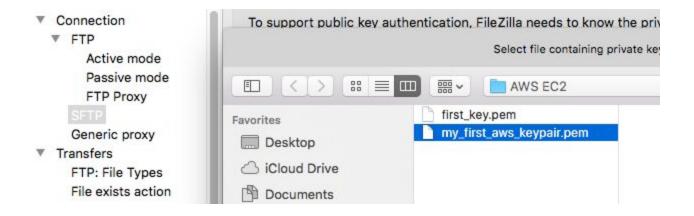
Now we need to replace it with our own webpage/files \$ cd var/www/html \$ Is

-> you will see index.html in this directory

In order to move files to this folder, we need to change owner of /www to "ubuntu" (default owner = "root" and Filezilla doesn't have root access)

\$ sudo chown -R ubuntu /var/www

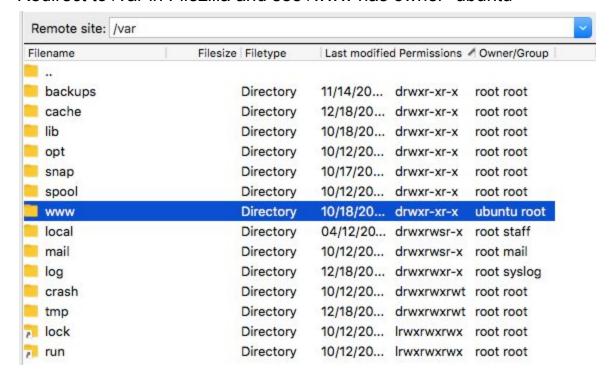
# Start Filezilla, go to settings, click SFTP, click "add key file" Then choose the keypair file in our PC



### Connect to remote system



#### Redirect to /var in Filezilla and see /www has owner "ubuntu"



Go to /var/www/html and drag your webpage files (js,css,html) into the directory.