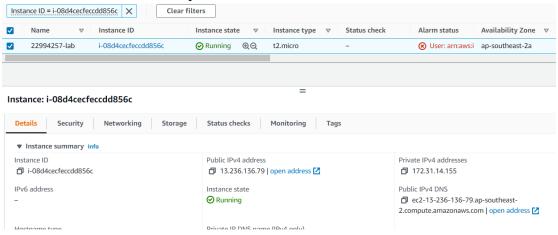
#### Lab 7 Notes

Student ID: 22994257 Name: Gaoyuan Zhang

### [Step 1] Create an EC2 instance

Create an EC2 instance. The public IPv4 is 13.236.136.79.



## [Step 2] Install and configure Fabric on my VM

Install the fabric and config files.

```
mjieli@mjieli-VirtualBox: ~/.ssh Q

Host 22994257-lab

Hostname ec2-13-236-136-79.ap-southeast-2.compute.amazonaws.com
User ubuntu
UserKnownHostsFile /dev/null
StrictHostKeyChecking no
PasswordAuthentication no
IdentityFile ~/.ssh/22994257-key.pe
```

```
mjieli@mjieli-VirtualBox:~/.ssh$ vim config
mjieli@mjieli-VirtualBox:~/.ssh$ python3
Python 3.8.10 (default, Jun 22 2022, 20:18:18)
[GCC 9.4.0] on linux
Type "help", "copyright", "credits" or "license" for more information.
>>> from fabric import Connection
>>> c = Connection('22994257-lab')
>>> result = c.run('uname -s')
Linux
>>> exit()
```

#### [Step 3] Write a python script to automate the installation of nginx

Install nginx, transfer the file and run the sever.

🛂 Ubantu 20.04 LTS [止仕运行] - Oracle VM VirtualBox

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Activities ② Terminal ▼ Sep 28 20:49 ●

The mjieli@mjieli-VirtualBox: ~/lab7

from fabric import Connection
import os

Firefox Web Browser 994257-lab')
c.sudo('apt update -y')
c.sudo('apt upgrade -y')
c.sudo('apt install nginx -y')
os.system('scp ./default 22994257-lab:/home/ubuntu')

c.sudo('mv /home/ubuntu/default /etc/nginx/sites-enabled/')
c.sudo('service nginx restart')

ssh -i 22994257-key.pem <u>ubuntu@13.236.136.79</u>

ubuntu@ip-172-31-14-155:~\$ cd /etc/nginx/sites-enabled
ubuntu@ip-172-31-14-155:/etc/nginx/sites-enabled\$ ls
default

Open the browser.



# [Step 4] Update the python script to install Django app

Install and config the Django.

Check the document.

Open the browser.





#### The install worked successfully! Congratulations!

You are seeing this page because <u>DEBUG=True</u> is in your settings file and you have not configured any URLs.



## [Step 5] Terminate the instance.

