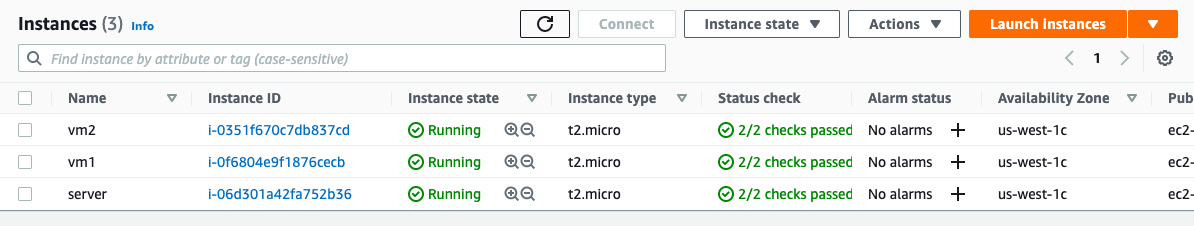
**Assignment1-Ansible**

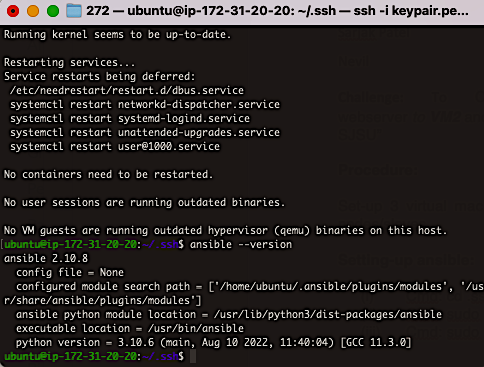
**Deploying three (3) Virtual Machines**

Deployed three VM’s with OS as ubuntu using Amazon EC2 instances in Aws portal and naming one the server and the other 2 machines as vm1 and vm2 and generating keypair in order to access the other vm’s from the server



**Installing Ansible on the server**

1. cd .ssh
2. sudo apt-get update && apt-get upgrade
3. sudo apt install ansible
4. ansible –version



**Uploading the keypair.pem file into the server for further connections with the remaining VM’s**

scp -i desktop/sanjay/272/keypair.pem -r desktop/sanjay/272/keypair.pem ubuntu@ ec2-50-18-5-43.us-west-1.compute.amazonaws.com:/home/ubuntu/.ssh/keypair.pem

**Generating a hosts file**

It contains the details of the two VM’s into which we need to install apache and send the message

Hosts file

[apache]

vm2 ansible\_host=13.57.242.177 ansible\_ssh\_private\_key\_file=keypair.pem

vm3 ansible\_host=3.101.63.112 ansible\_ssh\_private\_key\_file=keypair.pem

[all:vars]

ansible\_python\_interpreter=/usr/bin/python3

**Generating an index file to display message**

Index.html

<head>

<h1>

Hello World from SJSU- {{inventory\_hostname\_short}}!

</h1>

</head>

**Creating a playbook for deploying the Apache server on the VM’s**

Install.yml

- hosts: apache

become: true

tasks:

- name: install apache2

apt: name=apache2 update\_cache=yes state=latest

- name: Copy your index file

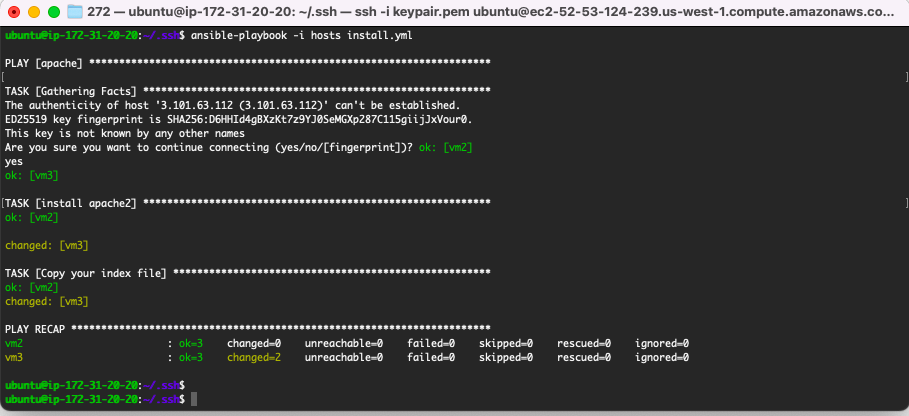
template:

src: "index.html"

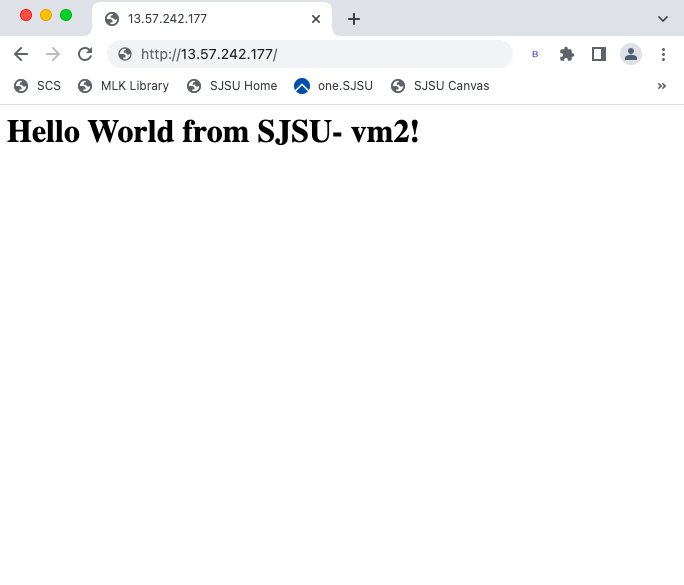
dest: "/var/www/html/index.html"

**Running the playbook**

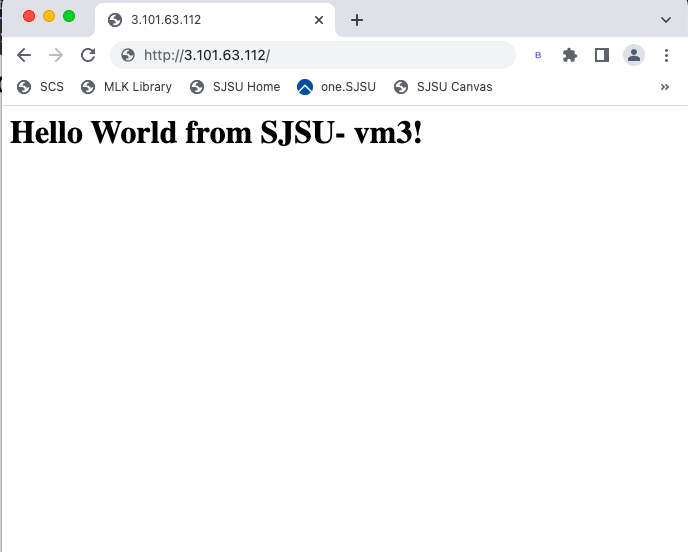
ansible-playbook -i hosts install.yml



**Output from VM2**



**Output from VM3**



**Creating a playbook for Un deploying the Apache server on VM’s**

Uninstall.yml

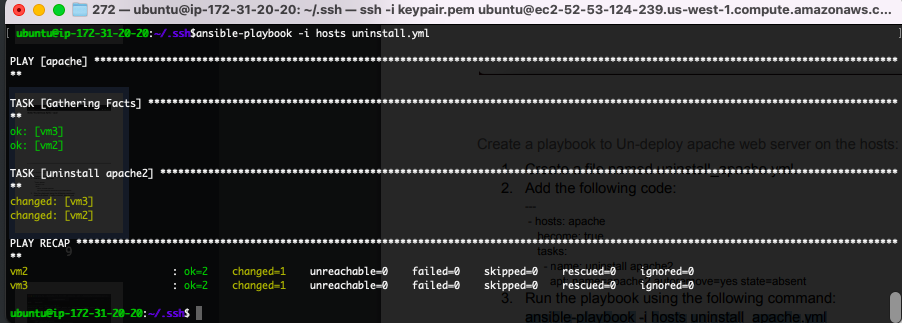
- hosts: apache

become: true

tasks:

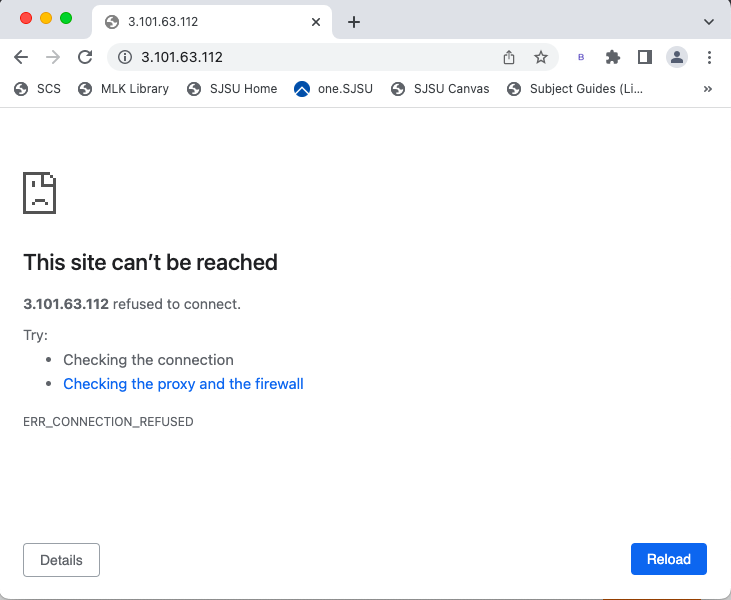
- name: uninstall apache2

apt: name=apache2 autoremove=yes state=absent

****

**VM’s after Un deploying Apache server**

**VM2**

****

**VM3**

