FA24: CMPE-272 Sec 48 - Enterprise SW Plat

HW #1 - Ansible

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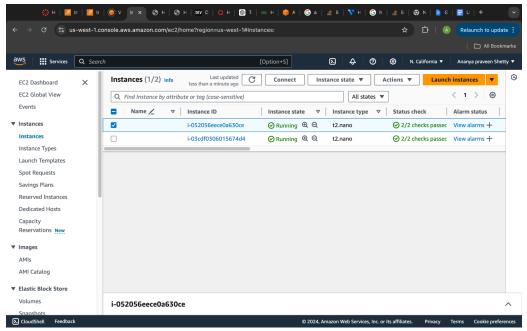
Professor Name: Andrew H. Bond

1. Configure two VMs, VM1 and VM2

```
| Parent | P
```

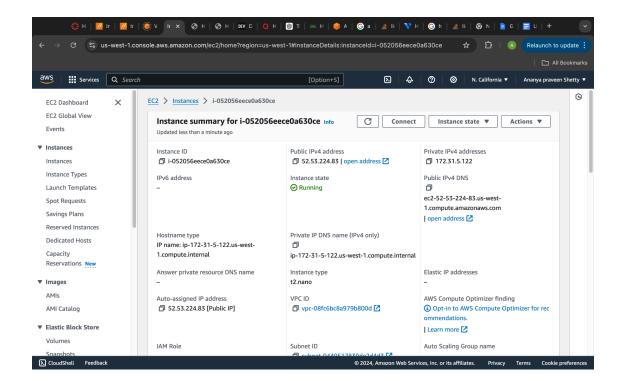
In this terraform file main.tf i have configured two VMs namely VM1 and VM2. These instances will be shown up in the aws console.

2.AWS console showing two running instances.

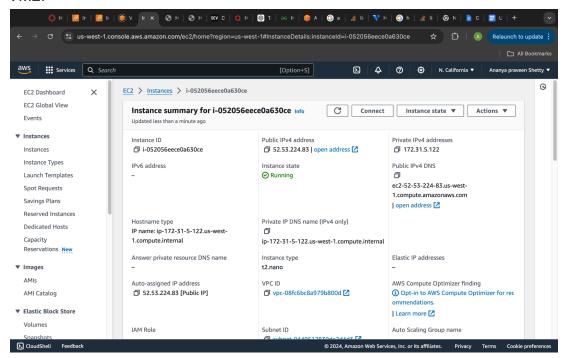


3.We need to note down the Public ip address of both VMs as we need it to configure web servers on them.

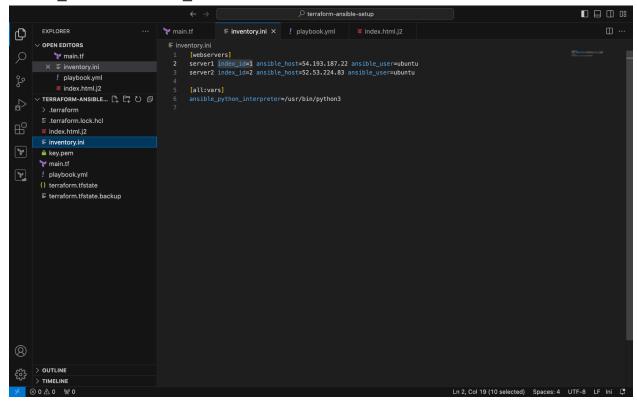
Below is VM1



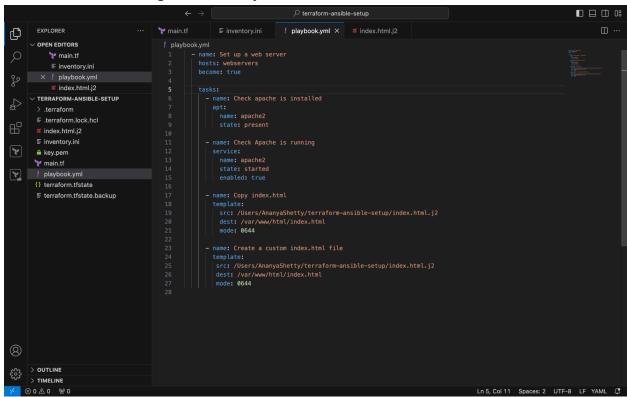
VM2:



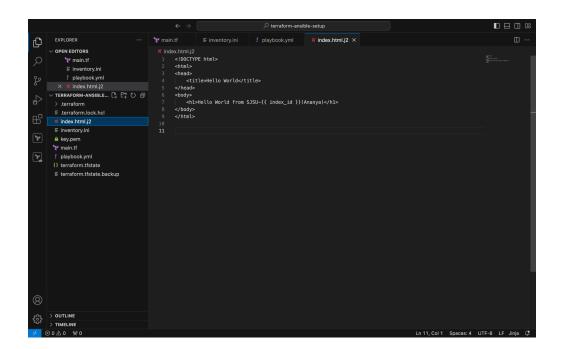
4. We need to install Ansible in the local machine. We need to create an inventory.ini file where we need to list both the servers with server_id, ansible host and ansible user.



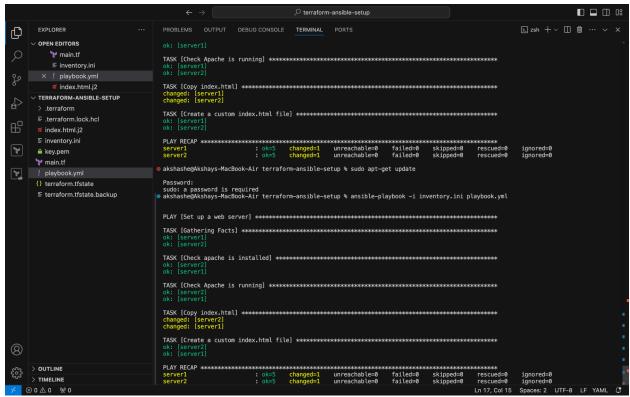
5.Next we need to create a playbook.yml file where we need to add all the tasks that the ansible should do.For example, start apache server, check status, create an index.html file in a given directory.



6.Create index.html file and add the contents.



7. Now run the command **ansible-playbook -i inventory.ini playbook.yml** To get the output below:



7. Checking a web page that is accessible from a web browser, and displays the message: "Hello World from SJSU-X" where X is 1 or 2 depending on which web server instance, VM1 or VM2.



Hello World from SJSU-1(Ananya)

2nd VM:



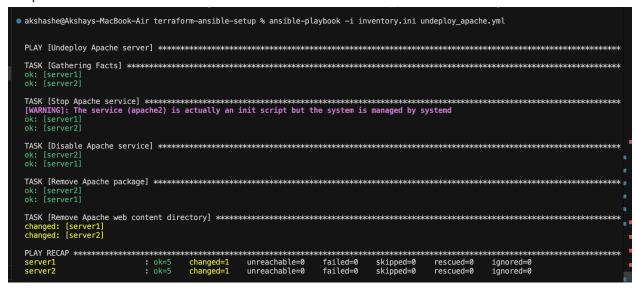
Hello World from SJSU-2(Ananya)

This is how I used Ansible as a configuration management tool to deploy apache web servers on both the VMs without any difficulty. I used Ansible to get the task of starting apache, running apache and writing index.html file in a couple of mins.

8. Now it's time to un-deploy the apache server. With ansible we can list the tasks in apache undeploy.yml to un-deploy the apache server.

```
| Perraform-analole-setup | I and polycy_apache yml | I playbook.yml | I undeploy_apache yml | I name: playbook.yml | I name: playbook.ym
```

Output:



Below is the github link repository of all the codes:

https://github.com/ananva101001/Homework-Ansible

Thank you!