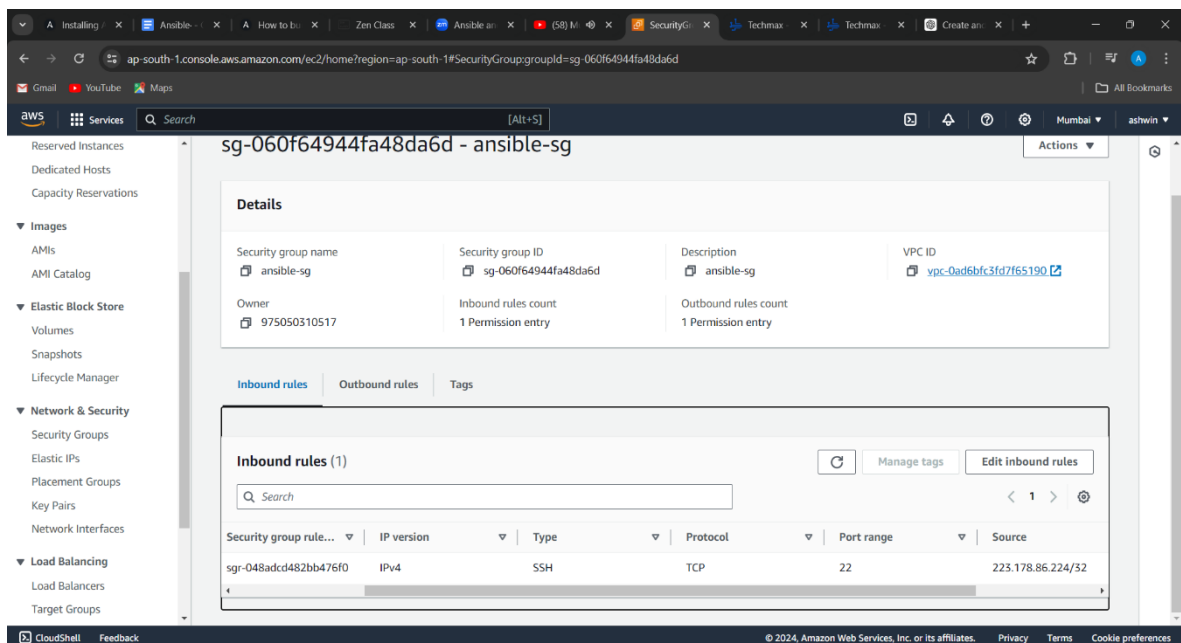
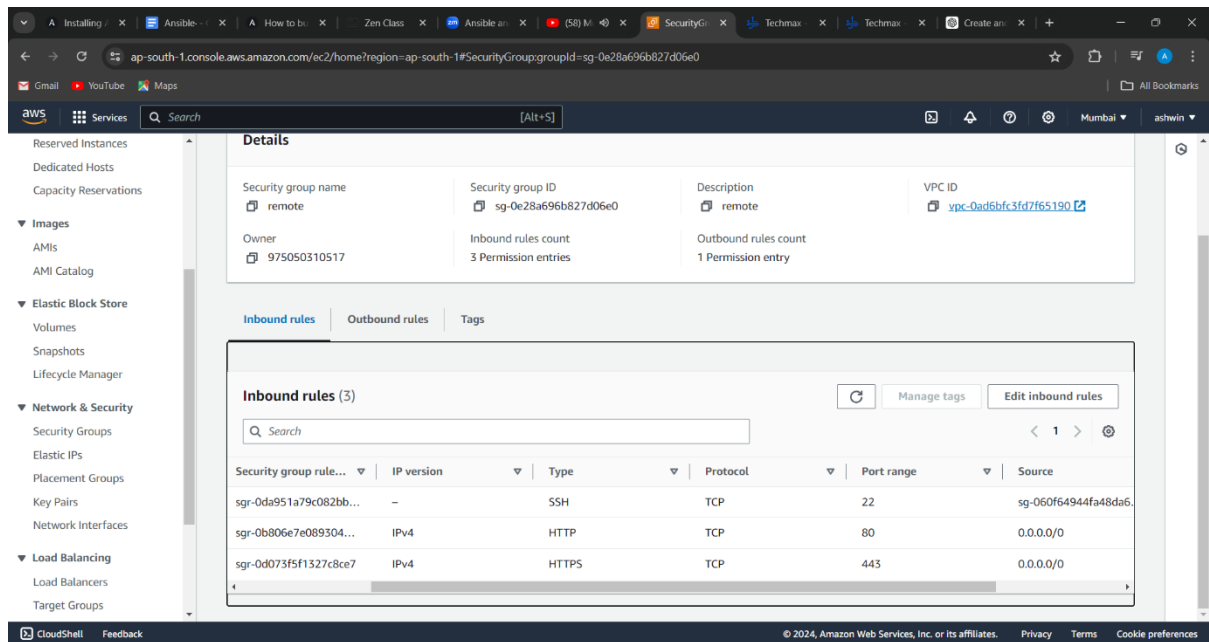


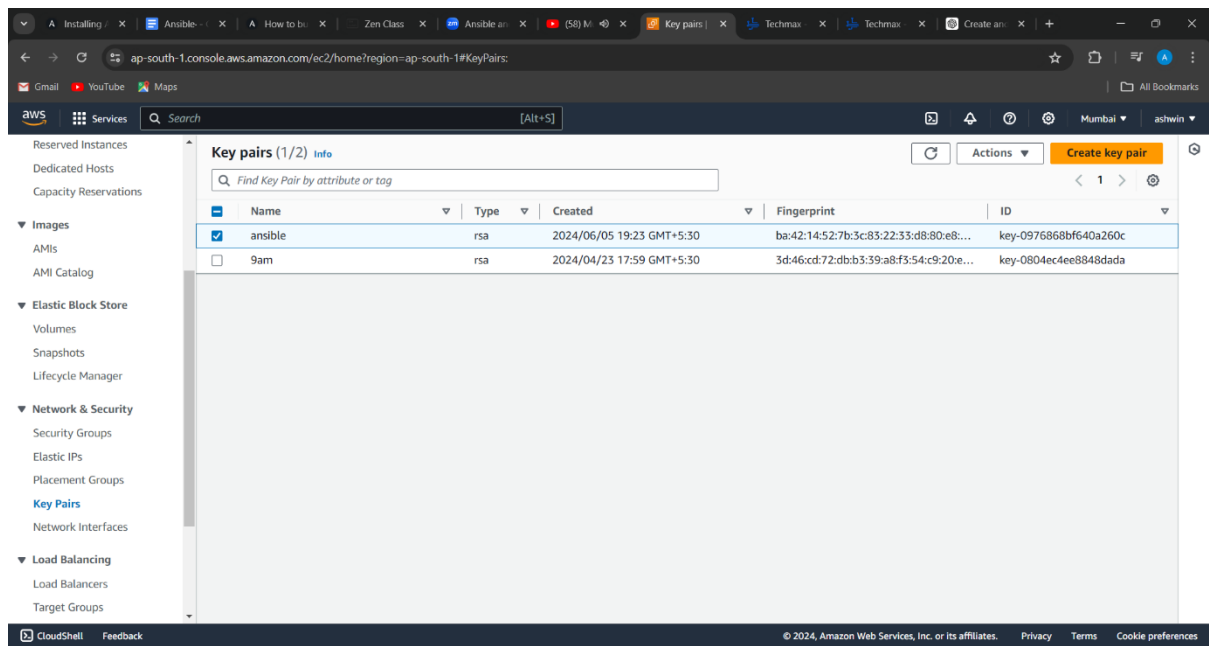
1.created a ansible machine and two remote machine



2.created sg for ansible with my ip inbound rule



3. created sg for remote machine with inbound sg of ansible machine and http,https ports



4. imported key from ansible machine and used it to remote machines key

ssh-keygen -t rsa -b 2048 to generate key in ansible machine

The screenshot shows a VS Code editor with an Ansible inventory file open. The inventory file lists two hosts: remote-1 and remote-2. The terminal shows the execution of the 'cat inventory' command, followed by the 'ansible all -i inventory -m ping' command. The output shows that both hosts are reachable and the Python interpreter is correctly identified as /usr/bin/python3.7.

```
home > ec2-user > inventory
1 remote-1 ansible_host=172.31.38.205
2 remote-2 ansible_host=172.31.42.125
3

remote-1 ansible_host=172.31.38.205
remote-2 ansible_host=172.31.42.125
[ec2-user@ip-172-31-1-122 ~]$ ansible all -i inventory -m ping
[WARNING]: Platform linux on host remote-2 is using the discovered Python interpreter at /usr/bin/python3.7, but future installation of another Python interpreter could change the meaning of that path. See https://docs.ansible.com/ansible-core/2.15/reference_appendices/interpreter_discovery.html for more information.
remote-2 | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python3.7"
  },
  "changed": false,
  "ping": "pong"
}
[WARNING]: Platform linux on host remote-1 is using the discovered Python interpreter at /usr/bin/python3.7, but future installation of another Python interpreter could change the meaning of that path. See https://docs.ansible.com/ansible-core/2.15/reference_appendices/interpreter_discovery.html for more information.
remote-1 | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python3.7"
  },
  "changed": false,
  "ping": "pong"
}
[ec2-user@ip-172-31-1-122 ~]$
```

5. created inventory file and checked ping command

The screenshot shows a VS Code editor with an Ansible playbook named 'playbook.yml' open. The playbook has a task to copy webfiles from the 'techmax-main' directory to the 'html' directory. The terminal shows the execution of the playbook, with the task 'copy webfiles from the techmax-main directory to the html directory' being successful on both hosts. The output also shows the removal of the 'techmax-main' directory and the 'techmax-main.zip' folder, and the starting of the Apache server.

```
home > ec2-user > ansible.cfg
1 [defaults]
2 remote_user = ec2-user
3 inventory = inventory
4 private_key_file = ~/.ssh/id_rsa
5

PLAYBOOK.yml
1 [copy webfiles from the techmax-main directory to the html directory]
2 changed: [remote-2]
3 changed: [remote-1]

TASK [remove the techmax-main directory]
changed: [remote-2]
changed: [remote-1]

TASK [remove the techmax-main.zip folder]
changed: [remote-2]
changed: [remote-1]

TASK [start apache server, if not started]
changed: [remote-2]
changed: [remote-1]

PLAY RECAP
remote-1 : ok=10 changed=8 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0
remote-2 : ok=10 changed=8 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0
[ec2-user@ip-172-31-1-122 ~]$
```

6. ansible.cfg file

```
File Edit Selection View Go Run Terminal Help
[ec2-user@ip-172-31-1-122 ~]$ ansible-playbook -i inventory playbook.yml

PLAY [deploy techmax website] *****

TASK [gather Facts] *****
[WARNING]: Platform linux on host remote-2 is using the discovered Python interpreter at /usr/bin/python3.7, but future installation of another Python interpreter could change the meaning of that path. See https://docs.ansible.com/ansible-core/2.15/reference_appendices/interpreter_discovery.html for more information.
ok: [remote-2]
[WARNING]: Platform linux on host remote-1 is using the discovered Python interpreter at /usr/bin/python3.7, but future installation of another Python interpreter could change the meaning of that path. See https://docs.ansible.com/ansible-core/2.15/reference_appendices/interpreter_discovery.html for more information.
ok: [remote-1]

TASK [update ec2 instance] *****
ok: [remote-2]
ok: [remote-1]

TASK [install apache2 server] *****
changed: [remote-2]
changed: [remote-1]

TASK [change directory to the html directory] *****
changed: [remote-2]
changed: [remote-1]

TASK [download web files from github] *****
changed: [remote-1]
changed: [remote-2]

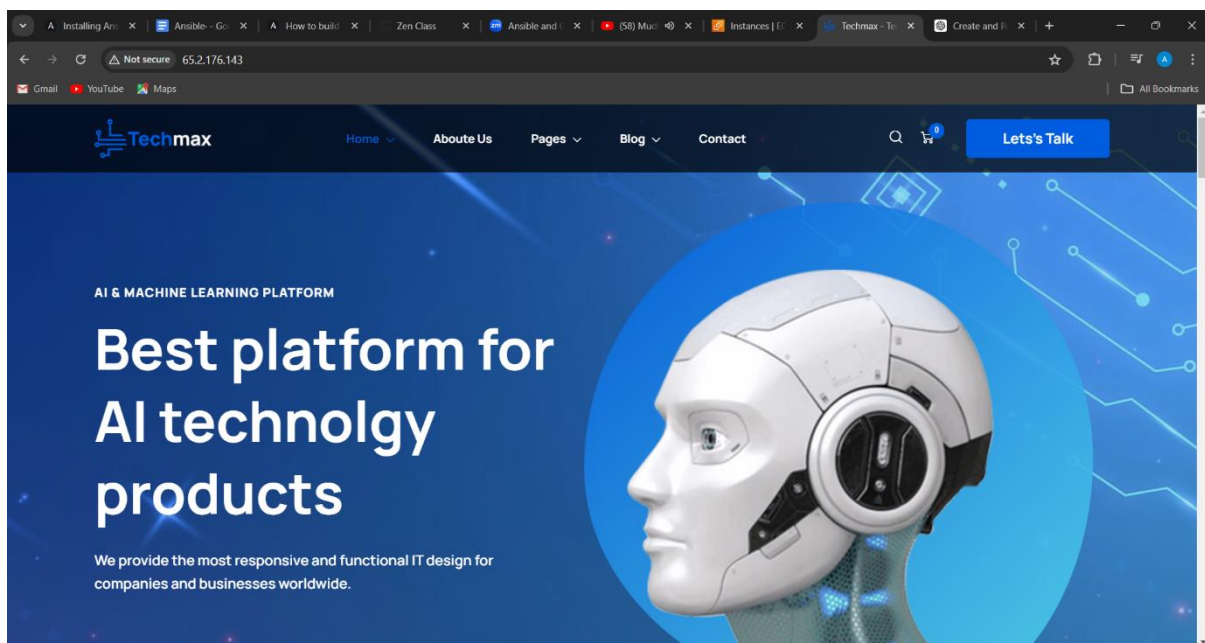
TASK [unzip the zip folder] *****
changed: [remote-2]
changed: [remote-1]

TASK [copy webfiles from the techmax-main directory to the html directory] *****
changed: [remote-2]
changed: [remote-1]

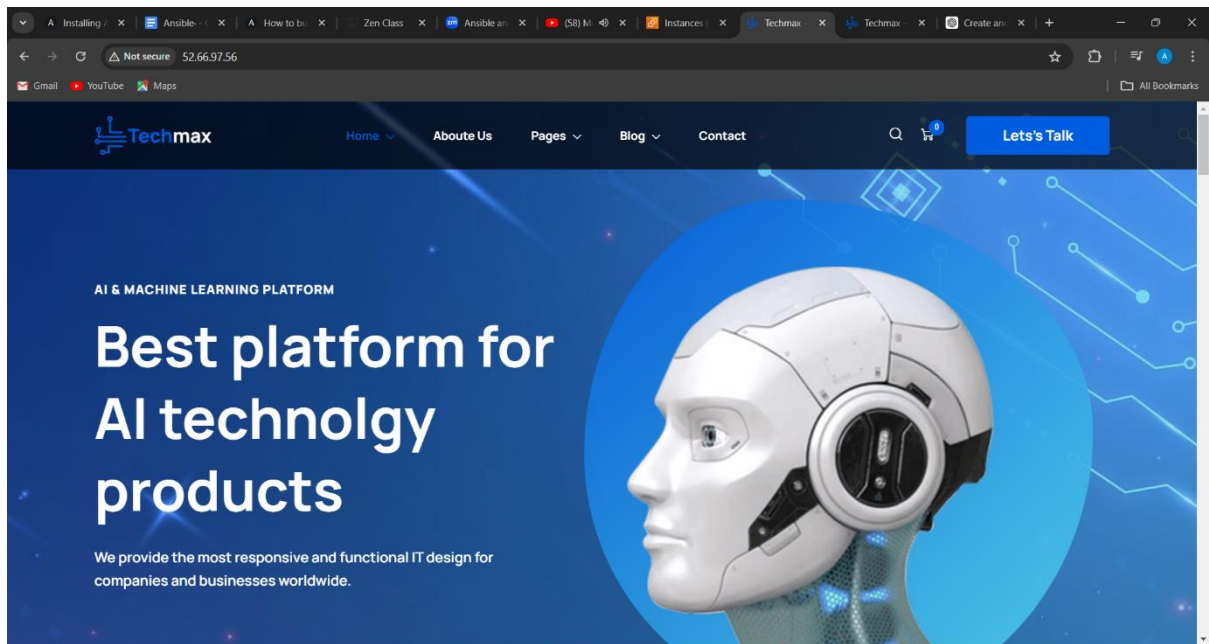
TASK [remove the techmax-main directory] *****
changed: [remote-2]
changed: [remote-1]

SSH: myremote 0 0 0 0
Ln 50, Col 5 Spaces: 2 UTF-8 LF Ansible 2.15.3 Select python environment
```

7.terminal output for playbook.yml file



8.output of remote 1



9. output of remote 2