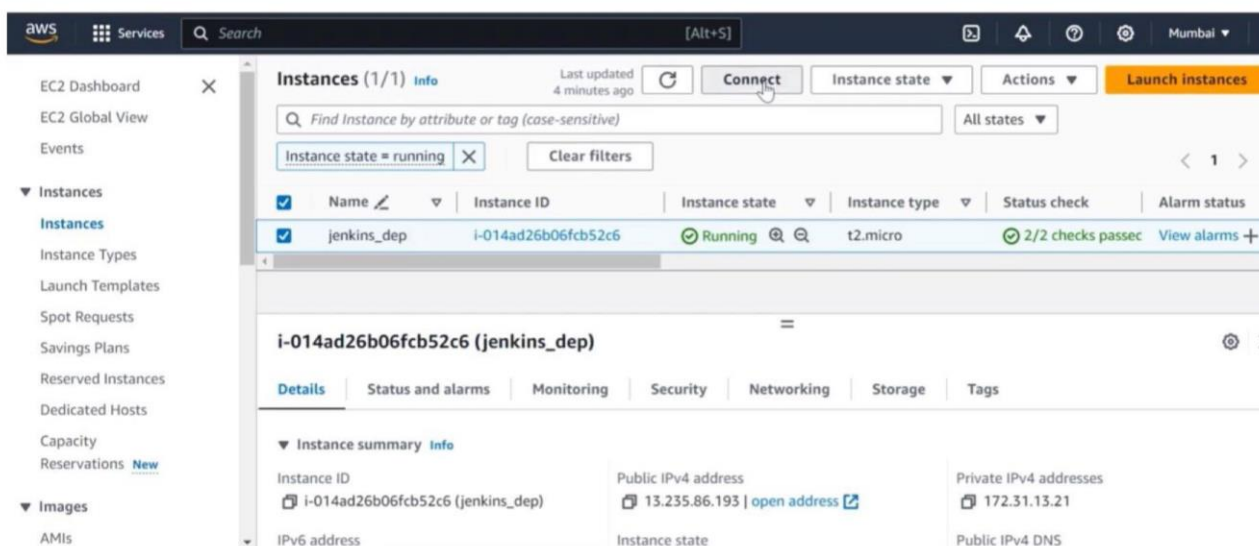
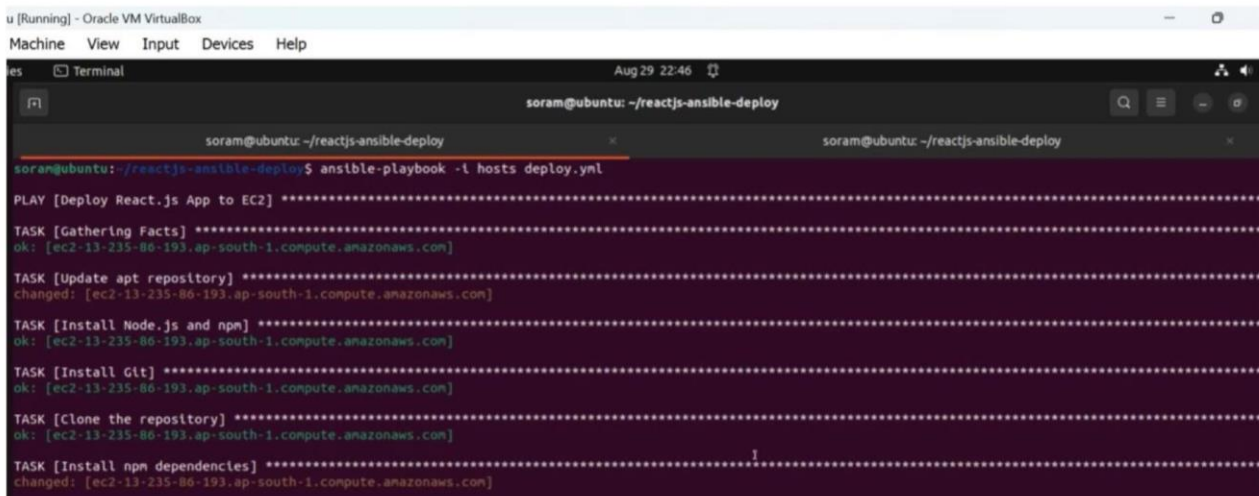
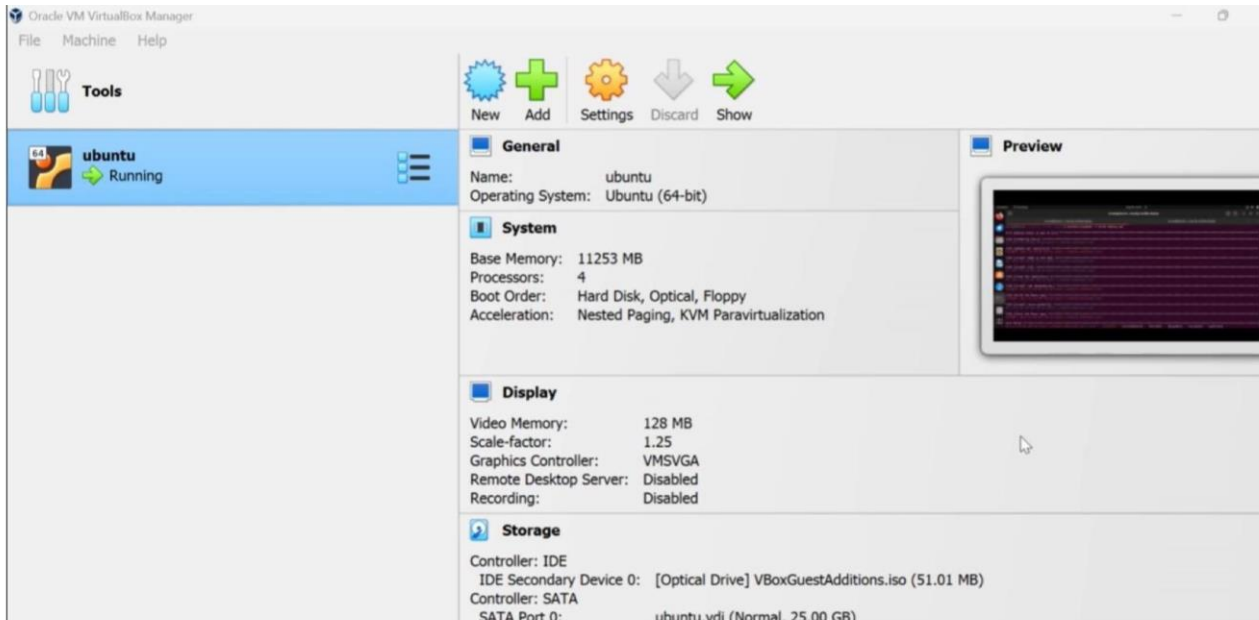
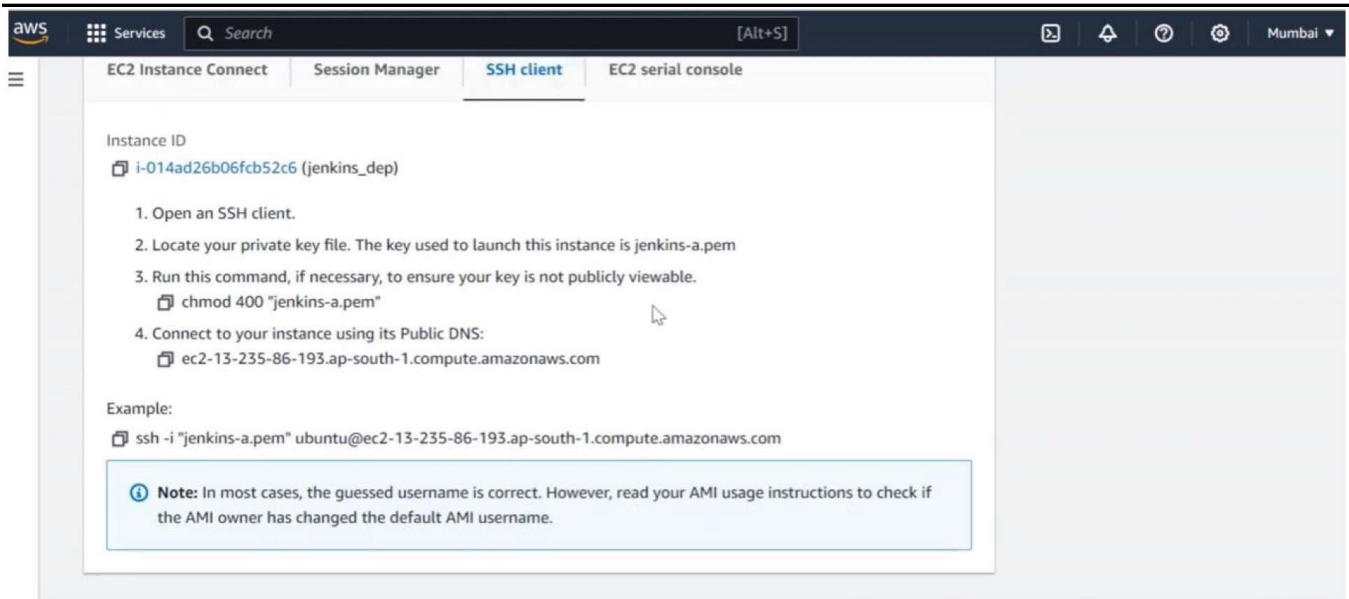


6. Deploy web app in AWS EC2 using Ansible.





aws Services Search [Alt+S] Mumbai

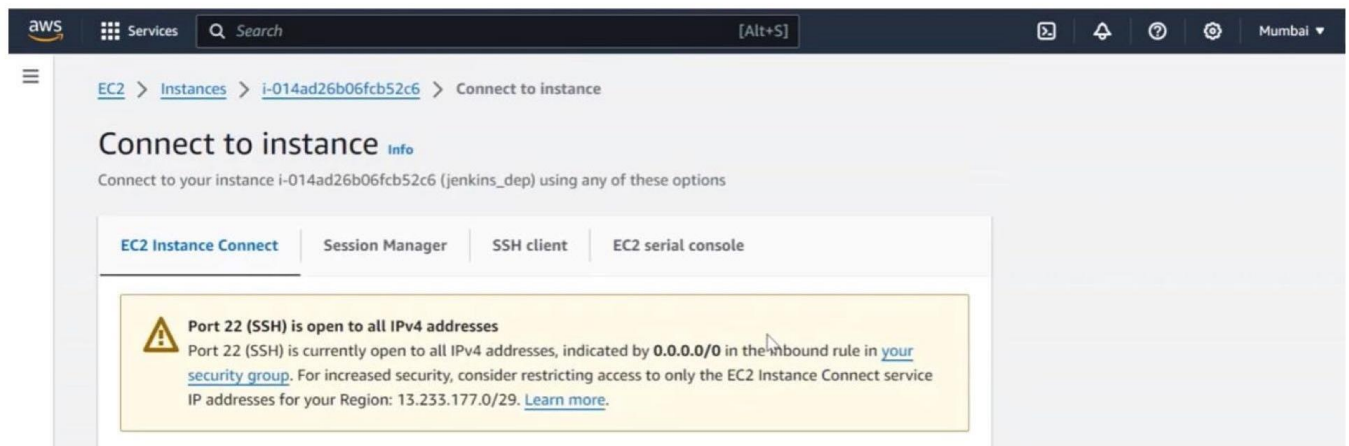
EC2 Instance Connect Session Manager **SSH client** EC2 serial console

Instance ID
i-014ad26b06fcb52c6 (jenkins_dep)

1. Open an SSH client.
2. Locate your private key file. The key used to launch this instance is jenkins-a.pem
3. Run this command, if necessary, to ensure your key is not publicly viewable.
chmod 400 "jenkins-a.pem"
4. Connect to your instance using its Public DNS:
ec2-13-235-86-193.ap-south-1.compute.amazonaws.com

Example:
ssh -i "jenkins-a.pem" ubuntu@ec2-13-235-86-193.ap-south-1.compute.amazonaws.com

Note: In most cases, the guessed username is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI username.



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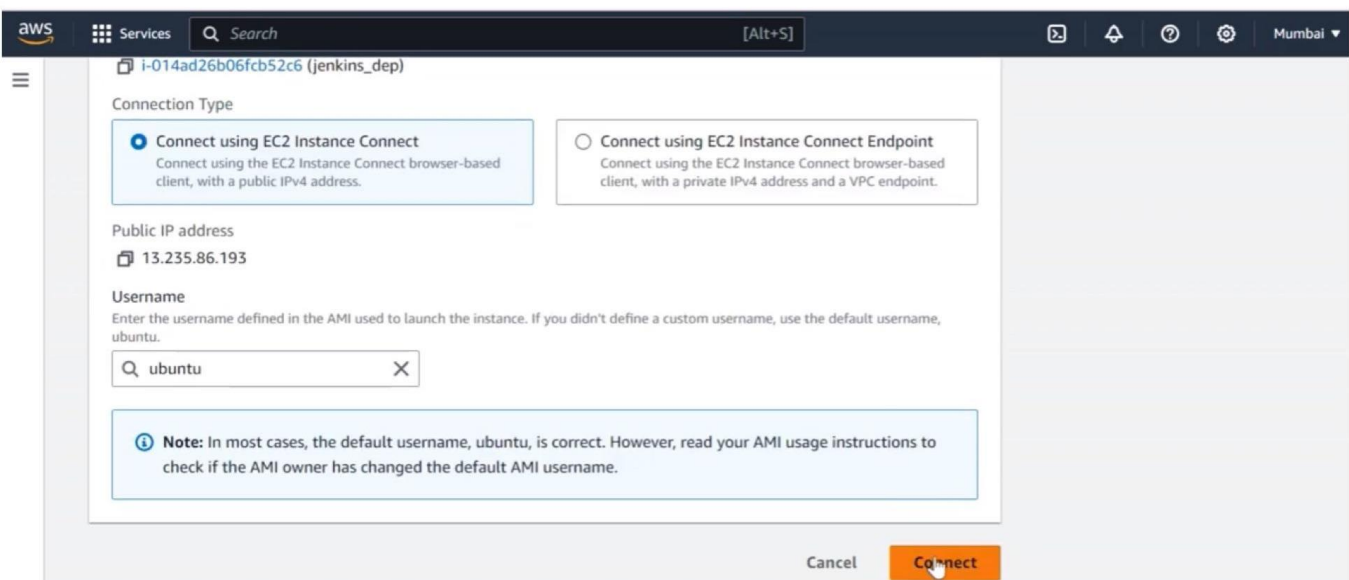
EC2 > Instances > i-014ad26b06fcb52c6 > Connect to instance

Connect to instance Info

Connect to your instance i-014ad26b06fcb52c6 (jenkins_dep) using any of these options

EC2 Instance Connect Session Manager SSH client EC2 serial console

Warning: Port 22 (SSH) is open to all IPv4 addresses
Port 22 (SSH) is currently open to all IPv4 addresses, indicated by 0.0.0.0/0 in the inbound rule in [your security group](#). For increased security, consider restricting access to only the EC2 Instance Connect service IP addresses for your Region: 13.233.177.0/29. [Learn more](#).



aws Services Search [Alt+S] Mumbai

i-014ad26b06fcb52c6 (jenkins_dep)

Connection Type

☒ **Connect using EC2 Instance Connect**
Connect using the EC2 Instance Connect browser-based client, with a public IPv4 address.

☐ **Connect using EC2 Instance Connect Endpoint**
Connect using the EC2 Instance Connect browser-based client, with a private IPv4 address and a VPC endpoint.

Public IP address
13.235.86.193

Username
Enter the username defined in the AMI used to launch the instance. If you didn't define a custom username, use the default username, ubuntu.
ubuntu

Note: In most cases, the default username, ubuntu, is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI username.

Cancel **Connect**

```
ps aux | grep serve
serve -s build -l 3000
```

1. ansible install
2. python3 install
3. python3 pip install
4. pip install six
5. install nginx

if any problem upgrade ansible. ansible version2+ and python3.x

jenkins-a.pem key should be there for connecting to aws ec2 instance.
add utf 8 if error issue.

```
soram@ubuntu: ~/reactjs-ansible-deploy
soram@ubuntu: ~/reactjs-ansible-deploy
soram 77232 0.0 0.5 822496 64388 ? Sl 10:52 0:01 /usr/libexec/evolution-data-server/evolution-alarm-notify
soram 78963 0.1 0.5 560200 56988 ? Rsl 10:53 1:01 /usr/libexec/gnome-terminal-server
soram 88487 0.0 0.0 9212 2560 pts/0 S+ 21:55 0:00 grep --color=auto serve
soram@ubuntu:~/reactjs-ansible-deploy$ sudo nano deploy.yml
soram@ubuntu:~/reactjs-ansible-deploy$ ansible-playbook -i hosts deploy.yml

PLAY [Deploy React.js App to EC2] *****
TASK [Gathering Facts] *****
ok: [ec2-13-235-86-193.ap-south-1.compute.amazonaws.com]
TASK [Update apt repository] *****
changed: [ec2-13-235-86-193.ap-south-1.compute.amazonaws.com]
TASK [Install Node.js and npm] *****
ok: [ec2-13-235-86-193.ap-south-1.compute.amazonaws.com]
TASK [Install Git] *****
ok: [ec2-13-235-86-193.ap-south-1.compute.amazonaws.com]
TASK [Clone the repository] *****
ok: [ec2-13-235-86-193.ap-south-1.compute.amazonaws.com]
TASK [Install npm dependencies] *****
changed: [ec2-13-235-86-193.ap-south-1.compute.amazonaws.com]
TASK [Build the React app] *****
changed: [ec2-13-235-86-193.ap-south-1.compute.amazonaws.com]
TASK [Install serve globally] *****
ok: [ec2-13-235-86-193.ap-south-1.compute.amazonaws.com]
```

```
soram@ubuntu: ~/reactjs-ansible-deploy
soram@ubuntu: ~/reactjs-ansible-deploy
TASK [Build the React app] *****
changed: [ec2-13-235-86-193.ap-south-1.compute.amazonaws.com]
TASK [Install serve globally] *****
ok: [ec2-13-235-86-193.ap-south-1.compute.amazonaws.com]
TASK [Start the React app] *****
changed: [ec2-13-235-86-193.ap-south-1.compute.amazonaws.com]
PLAY RECAP *****
ec2-13-235-86-193.ap-south-1.compute.amazonaws.com : ok=9 changed=4 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

soram@ubuntu:~/reactjs-ansible-deploy$ sudo nano deploy.yml
soram@ubuntu:~/reactjs-ansible-deploy$ nano hosts
soram@ubuntu:~/reactjs-ansible-deploy$ locale
LANG=en_US.UTF-8
LANGUAGE=en_US.UTF-8
LC_CTYPE=en_US.UTF-8
LC_NUMERIC=en_US.UTF-8
LC_TIME=en_US.UTF-8
LC_COLLATE=en_US.UTF-8
LC_MONETARY=en_US.UTF-8
LC_MESSAGES=en_US.UTF-8
LC_PAPER=en_US.UTF-8
LC_NAME=en_US.UTF-8
LC_ADDRESS=en_US.UTF-8
LC_TELEPHONE=en_US.UTF-8
LC_MEASUREMENT=en_US.UTF-8
LC_IDENTIFICATION=en_US.UTF-8
LC_ALL=en_US.UTF-8
soram@ubuntu:~/reactjs-ansible-deploy$ sudo nano deploy.yml
[sudo] password for soram:
```



```
soram@ubuntu: ~/reactjs-ansible-deploy
GNU nano 6.2
deploy.yml
name: Deploy React.js App to EC2
hosts: web
become: yes
tasks:
  - name: Update apt repository
    apt:
      update_cache: yes
  - name: Install Node.js and npm
    apt:
      name:
        - nodejs
        - npm
      state: present
  - name: Install Git
    apt:
      name: git
      state: present
  - name: Clone the repository
    git:
      repo: 'https://github.com/soram123/laptop-shopping-cart-ui.git'
      dest: /home/ubuntu/laptop-shopping-cart-ui
      update: yes
  - name: Install npm dependencies
    command: npm install
```

```
aws
Services
Search
[Alt+S]
Mumbai

Serving!
- Local: http://localhost:3000
- Network: http://172.31.13.21:3000


HTTP 8/29/2024 4:39:57 PM 49.34.99.18 GET /
HTTP 8/29/2024 4:39:57 PM 49.34.99.18 Returned 200 in 105 ms
HTTP 8/29/2024 4:39:57 PM 49.34.99.18 GET /static/js/main.d11f04a7.js
HTTP 8/29/2024 4:39:57 PM 49.34.99.18 Returned 200 in 12 ms
HTTP 8/29/2024 4:39:57 PM 49.34.99.18 GET /static/css/main.a6cfd029.css
HTTP 8/29/2024 4:39:57 PM 49.34.99.18 Returned 200 in 7 ms
HTTP 8/29/2024 4:39:58 PM 49.34.99.18 GET /static/media/laptop-1.05478f9e32a171381380.jpg
HTTP 8/29/2024 4:39:58 PM 49.34.99.18 GET /static/media/laptop-3.668a669b2587a92ca461.jpg
HTTP 8/29/2024 4:39:58 PM 49.34.99.18 Returned 200 in 6 ms

i-014ad26b06fcb52c6 (jenkins_dep)
PublicIPs: 13.235.86.193 PrivateIPs: 172.31.13.21
```

← → ↻ 🏠 Not secure ec2-13-235-86-193.ap-south-1.compute.amazonaws.com:3000


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