MAIN PROJECT

TASK: E-LEARNING PORTAL

INTRODUCTION:

This report is based on deploying a E-Learning Portal for Student to study online.

SERVICE USED:

- Amazon Elastic Compute Cloud (Amazon EC2) provides on-demand, scalable computing capacity in the Amazon Web Services (AWS) Cloud. Using Amazon EC2 reduces hardware costs so you can develop and deploy applications faster.
- EC2 provides you to rent virtual computers. The provision of servers on AWS Cloud is one of the easiest way in EC2. EC2 has resizable capacity. EC2 offers security, reliability, high-performance and cost-effective infrastructure so as to meet the demanding business needs.

STEPS TO BE FOLLOWED:

1. Open your management console
2. Click on to the services and go to EC2.
3. Choose the create key pair option.
4. Give a name and download the .ppk file.
5. Allow the SSH, HTTP and HTTPS to avoid error.
6. Now connect the EC2 using EC2 instance connect and type the following commands and execute it.
7. Copy the desired page URL which should be in zip format.
8. Enable the page using the command.
9. Check the status of the page which shows “active running”.
10. Now open the page using the “PublicIP” in the new tab for the desired page to open.

CODE:

```
sudo su -

yum update -y

yum install -y httpd

systemctl status httpd

mkdir temp

cd temp
```

wget https://www.free-css.com/assets/images/free-css-templates/page291/edu-meeting.jpg

unzip complex.zip

cd complex

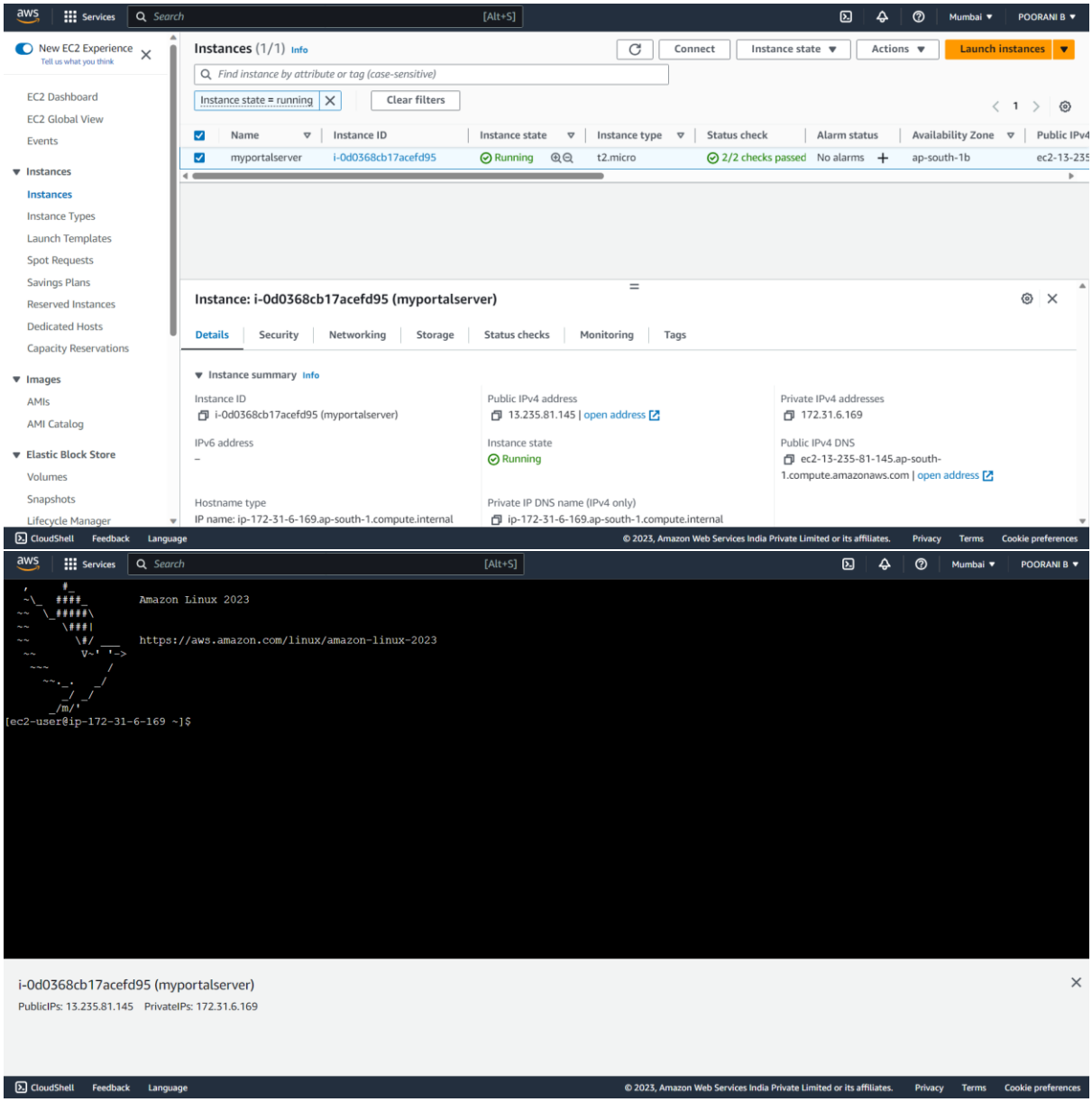
ls -lrt

mv * /var/www/html

systemctl enable httpd

systemctl start httpd

SCREENSHOTS OF MY POC:



```
[root@ip-172-31-6-169 html]# systemctl status httpd
o httpd.service - The Apache HTTP Server
     Loaded: loaded (/usr/lib/systemd/system/httpd.service; enabled; preset: disabled)
     Active: inactive (dead)
       Docs: man:httpd.service(8)
[root@ip-172-31-6-169 html]# systemctl enable httpd
[root@ip-172-31-6-169 html]# systemctl start httpd
[root@ip-172-31-6-169 html]# systemctl status httpd
● httpd.service - The Apache HTTP Server
     Loaded: loaded (/usr/lib/systemd/system/httpd.service; enabled; preset: disabled)
     Active: active (running) since Sun 2023-07-30 14:12:28 UTC; 13s ago
       Docs: man:httpd.service(8)
   Main PID: 27701 (httpd)
     Status: "Total requests: 0; Idle/Busy workers 100/0;Requests/sec: 0; Bytes served/sec:   0 B/sec"
      Tasks: 177 (limit: 1114)
     Memory: 12.8M
        CPU: 73ms
     CGroup: /system.slice/httpd.service
             ├─27701 /usr/sbin/httpd -DFOREGROUND
             ├─27702 /usr/sbin/httpd -DFOREGROUND
             ├─27703 /usr/sbin/httpd -DFOREGROUND
             ├─27704 /usr/sbin/httpd -DFOREGROUND
             └─27705 /usr/sbin/httpd -DFOREGROUND

Jul 30 14:12:28 ip-172-31-6-169.ap-south-1.compute.internal systemd[1]: Starting httpd.service - The Apache HTTP Server...
Jul 30 14:12:28 ip-172-31-6-169.ap-south-1.compute.internal systemd[1]: Started httpd.service - The Apache HTTP Server.
Jul 30 14:12:28 ip-172-31-6-169.ap-south-1.compute.internal httpd[27701]: Server configured, listening on: port 80
[root@ip-172-31-6-169 html]#
```

i-0d0368cb17acefd95 (myportalserver)

PublicIPs: 13.235.81.145 PrivateIPs: 172.31.6.169