

TASK 1

Server 1 IP 65.1.84.249

Server 2 IP 3.110.115.86

CREATE 2 ubuntu VM

The screenshot displays the AWS Management Console interface for the 'ap-south-1' region. The 'Instances' page is active, showing a list of three EC2 instances. The instance 'linux1' with ID 'i-05d1c003b22afaaef' is selected and highlighted in blue. Below the list, the details for 'linux1' are expanded, showing its state as 'Running' and its public IPv4 address as '65.1.84.249'. The console also shows a sidebar with navigation options like 'EC2 Dashboard', 'Instances', and 'Images'. The top navigation bar includes the AWS logo, search bar, and user information.

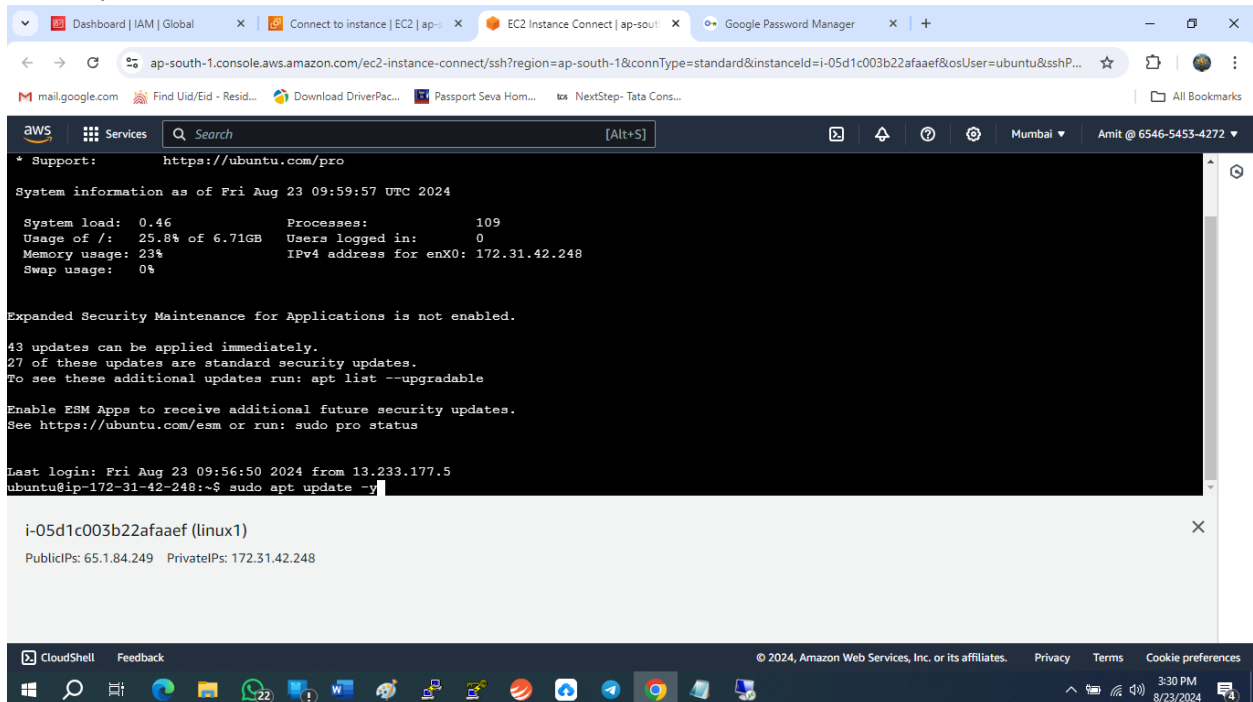
Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
ubuntu 2	i-03bd28e2bc1f6ecbe	Running	t2.micro	2/2 checks passed	View alarms	ap-south-1a
Cloud	i-05c2f31412fa8a5f6	Running	t2.micro	2/2 checks passed	View alarms	ap-south-1a
linux1	i-05d1c003b22afaaef	Running	t2.micro	2/2 checks passed	View alarms	ap-south-1a

i-05d1c003b22afaaef (linux1)

Instance summary

Property	Value
Instance ID	i-05d1c003b22afaaef (linux1)
Public IPv4 address	65.1.84.249 open address
Private IPv4 addresses	172.31.42.248
IPV6 address	
Instance state	Running
Public IPv4 DNS	

1st we update the VM



The screenshot shows the AWS CloudShell interface with a terminal window. The terminal displays system information and update instructions for Ubuntu. The user has run the command `sudo apt update -y`.

```
* Support: https://ubuntu.com/pro

System information as of Fri Aug 23 09:59:57 UTC 2024

System load: 0.46          Processes: 109
Usage of /: 25.8% of 6.71GB Users logged in: 0
Memory usage: 23%        IPv4 address for enx0: 172.31.42.248
Swap usage: 0%

Expanded Security Maintenance for Applications is not enabled.

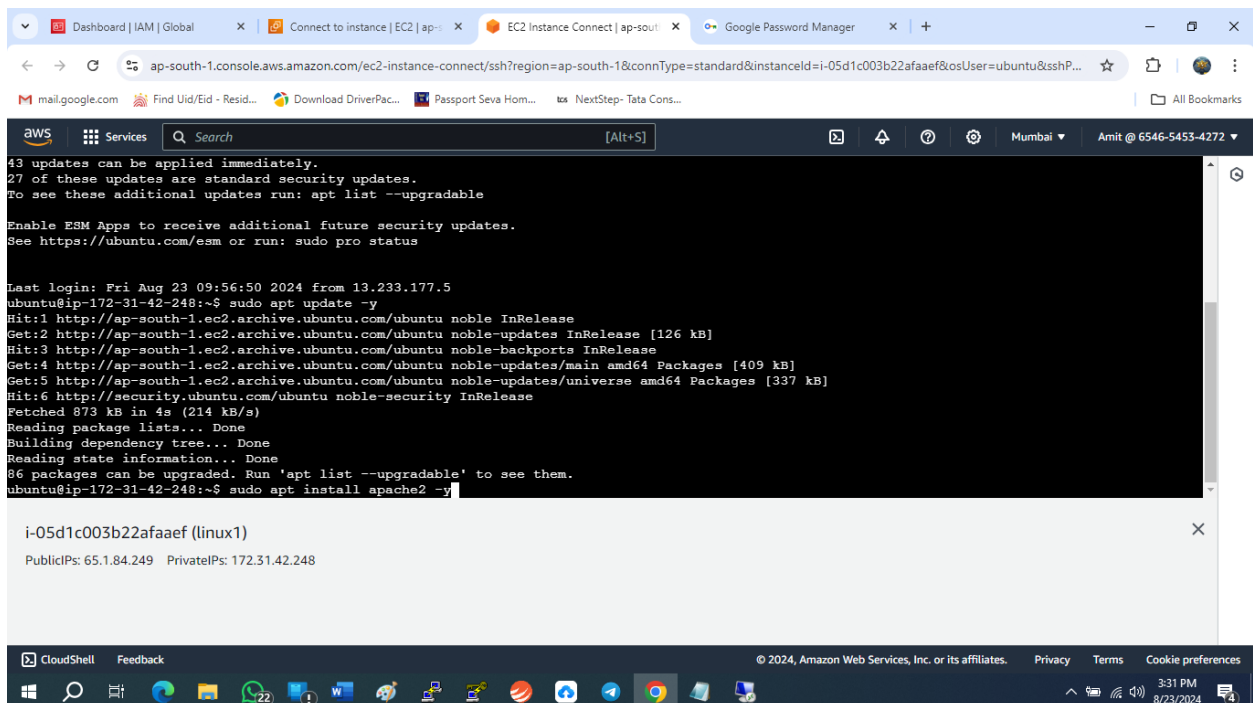
43 updates can be applied immediately.
27 of these updates are standard security updates.
To see these additional updates run: apt list --upgradable

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

Last login: Fri Aug 23 09:56:50 2024 from 13.233.177.5
ubuntu@ip-172-31-42-248:~$ sudo apt update -y
```

i-05d1c003b22afaaef (linux1)
PublicIPs: 65.1.84.249 PrivateIPs: 172.31.42.248

INSTALL APACHE



The screenshot shows the AWS CloudShell interface with a terminal window. The terminal displays the output of the `sudo apt update -y` command, followed by the installation of Apache using `sudo apt install apache2 -y`.

```
43 updates can be applied immediately.
27 of these updates are standard security updates.
To see these additional updates run: apt list --upgradable

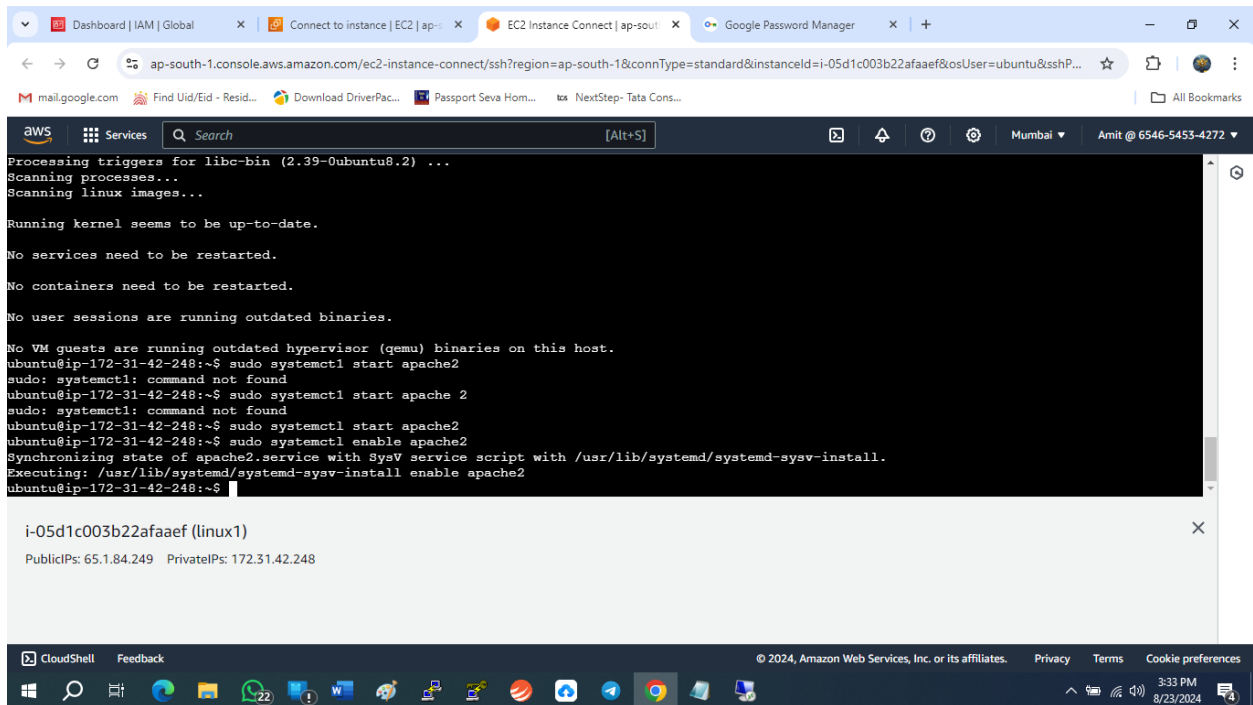
Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

Last login: Fri Aug 23 09:56:50 2024 from 13.233.177.5
ubuntu@ip-172-31-42-248:~$ sudo apt update -y
Hit:1 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble InRelease
Get:2 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Hit:3 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports InRelease
Get:4 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 Packages [409 kB]
Get:5 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Packages [337 kB]
Hit:6 http://security.ubuntu.com/ubuntu noble-security InRelease
Fetched 873 kB in 4s (214 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
86 packages can be upgraded. Run 'apt list --upgradable' to see them.
ubuntu@ip-172-31-42-248:~$ sudo apt install apache2 -y
```

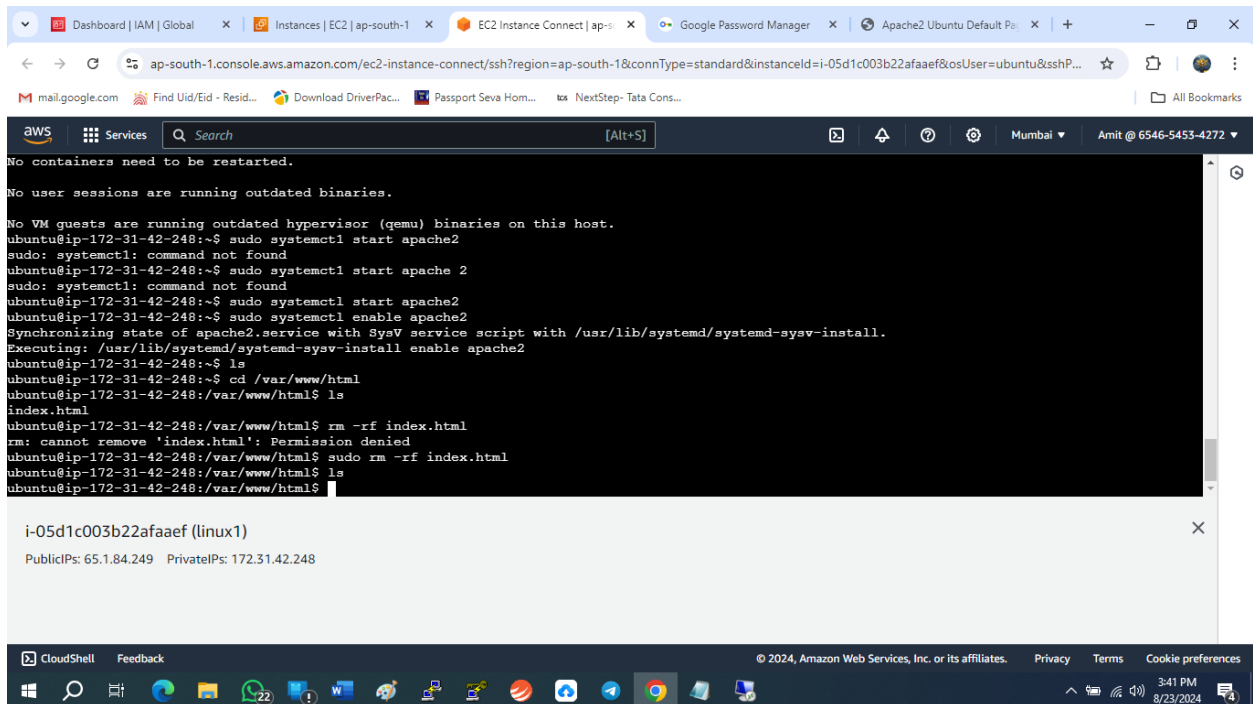
i-05d1c003b22afaaef (linux1)
PublicIPs: 65.1.84.249 PrivateIPs: 172.31.42.248

Start apache server

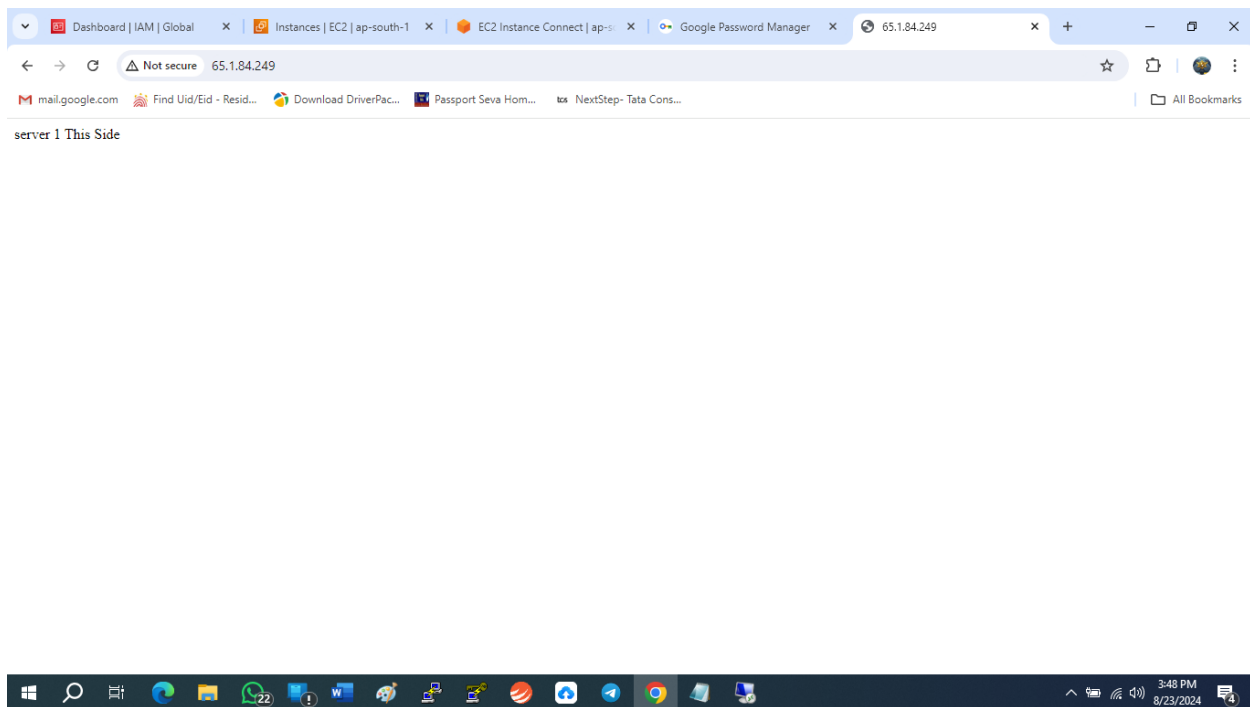
Enable apache server



Default index.html is deleted

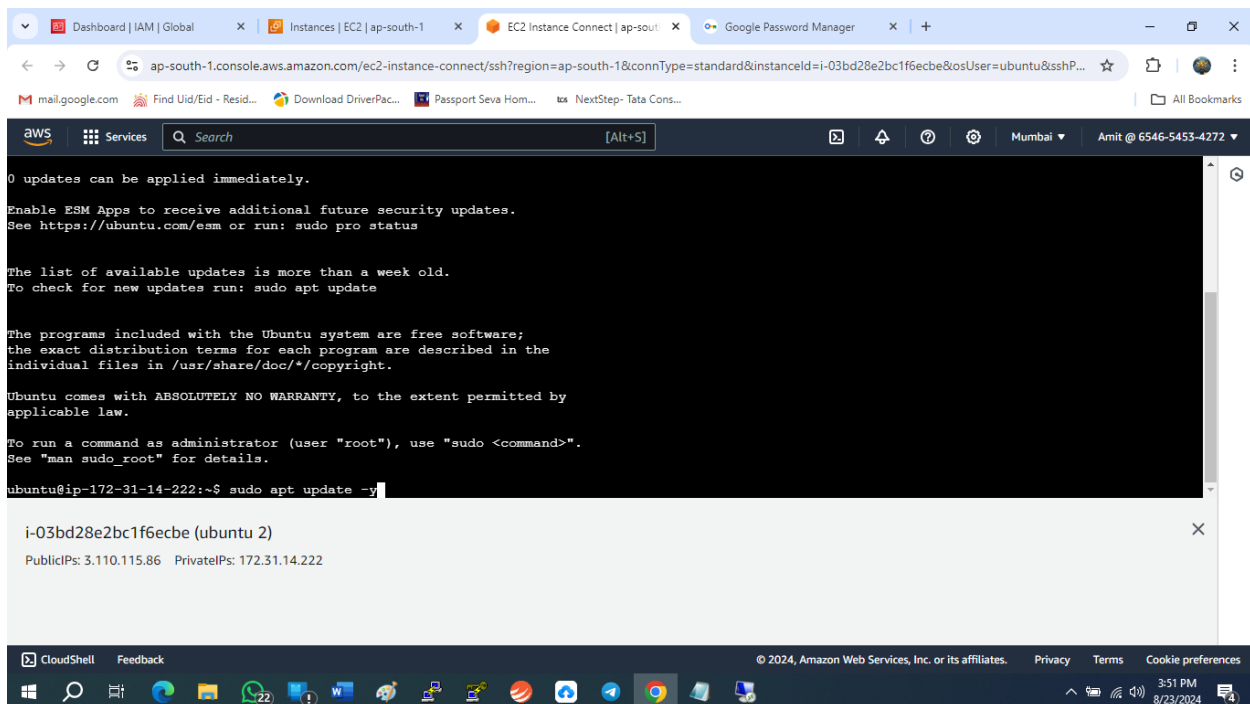


We make a new index file and enter details

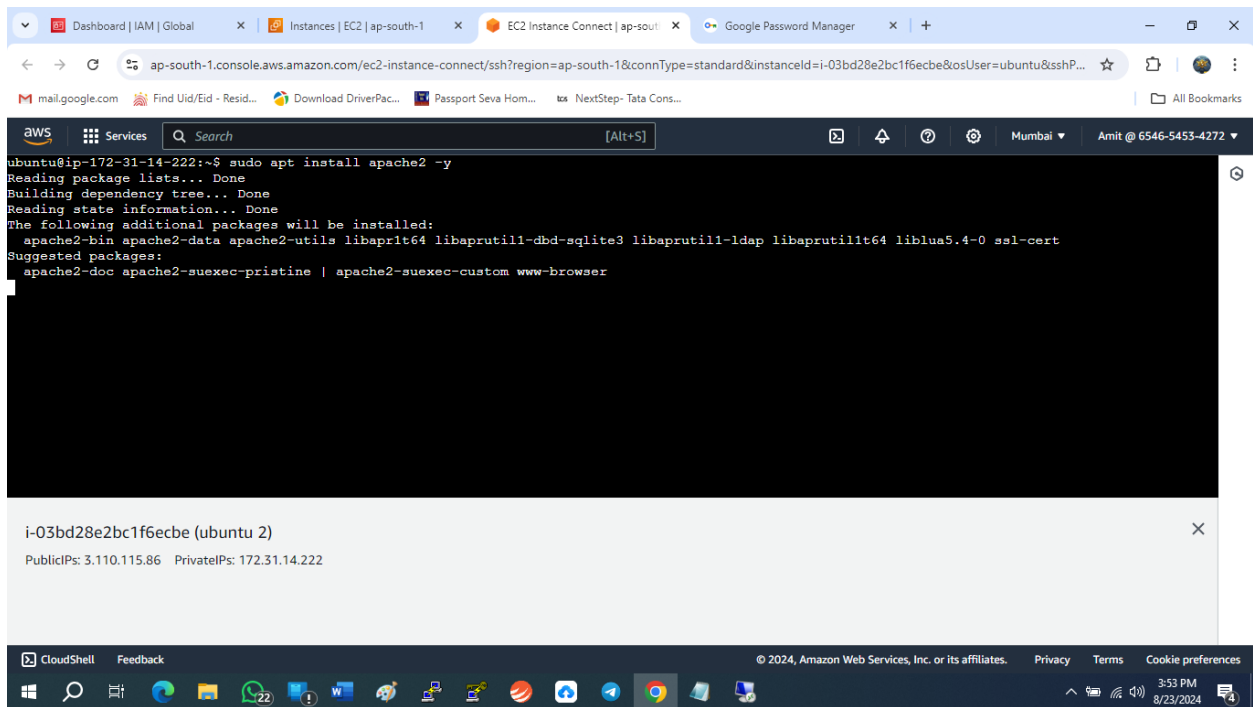


VM 2

Update VM



Install apache 2



The screenshot shows the AWS CloudShell interface. The terminal window displays the command `sudo apt install apache2 -y` and its output. The output indicates that the package lists, dependency tree, and state information have been read successfully. It then lists the additional packages to be installed: `apache2-bin`, `apache2-data`, `apache2-utils`, `libapr1t64`, `libaprutil1-dbd-sqlite3`, `libaprutil1-ldap`, `libaprutil1t64`, `liblua5.4-0`, and `ssl-cert`. The suggested packages are `apache2-doc`, `apache2-suexec-pristine`, `apache2-suexec-custom`, and `www-browser`. The terminal also shows the instance ID `i-03bd28e2bc1f6ecbe` and the user `ubuntu`. The bottom of the screenshot shows the Windows taskbar with various application icons and the system clock indicating 3:53 PM on 8/23/2024.

```
ubuntu@ip-172-31-14-222:~$ sudo apt install apache2 -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  apache2-bin apache2-data apache2-utils libapr1t64 libaprutil1-dbd-sqlite3 libaprutil1-ldap libaprutil1t64 liblua5.4-0 ssl-cert
Suggested packages:
  apache2-doc apache2-suexec-pristine | apache2-suexec-custom www-browser
```

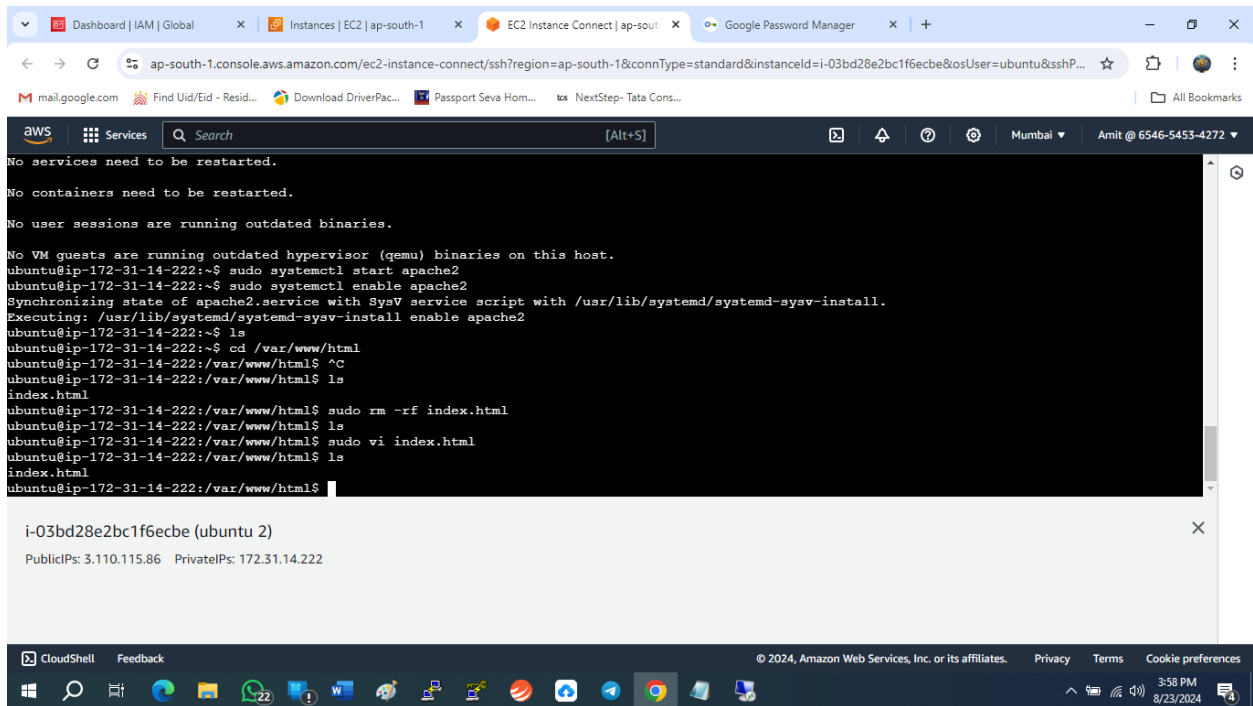
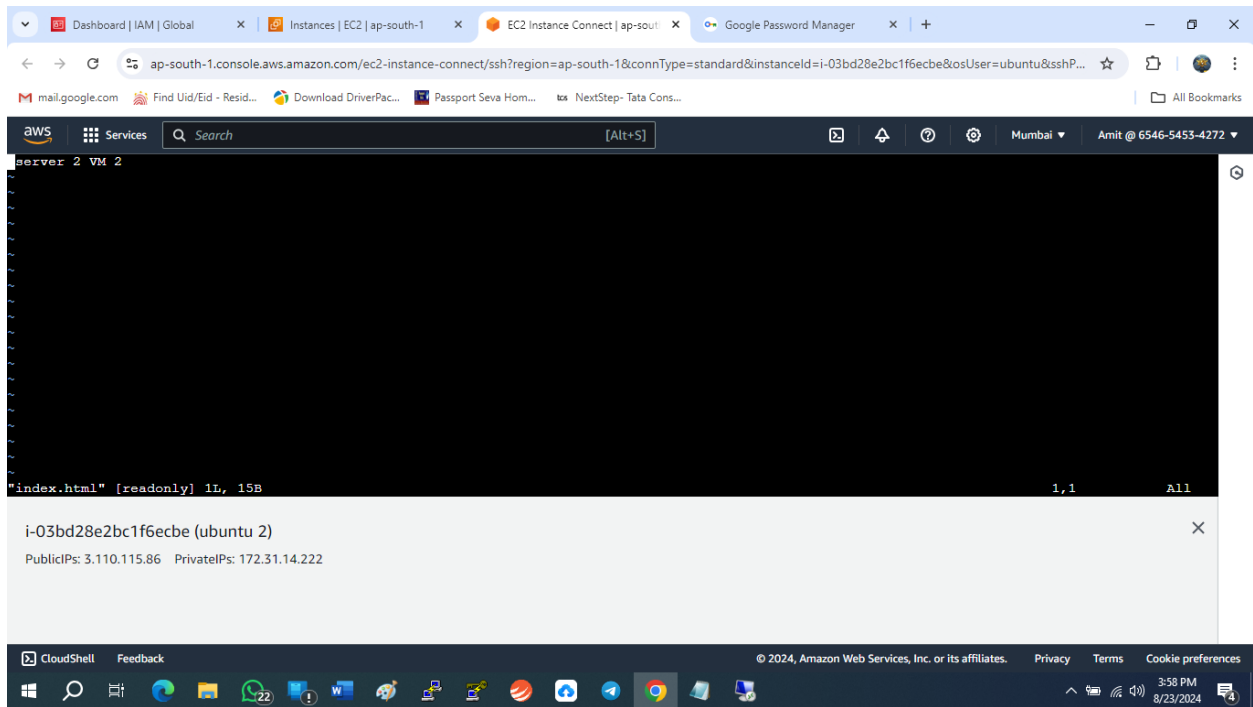
Enable and start apache2

Go `cd /var/www/html`

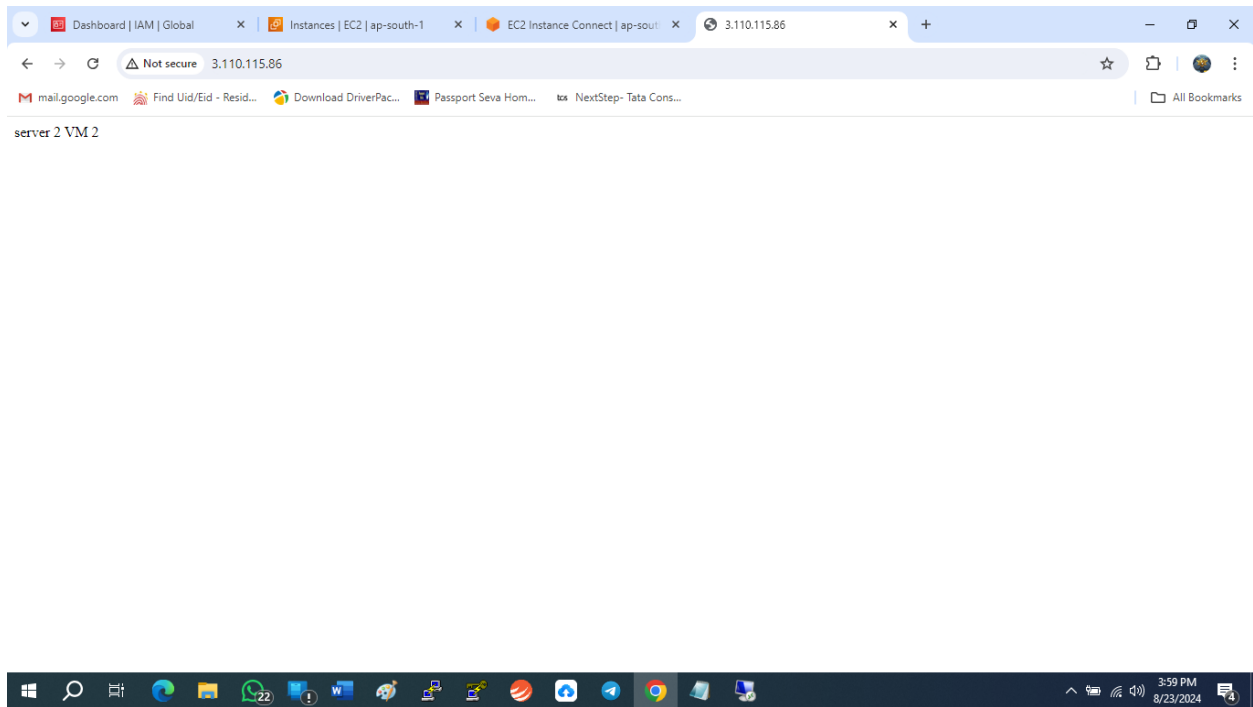
`sudo rm -rf index.html` [Delete default html file and create new]

`sudo vi index.html`

enter details



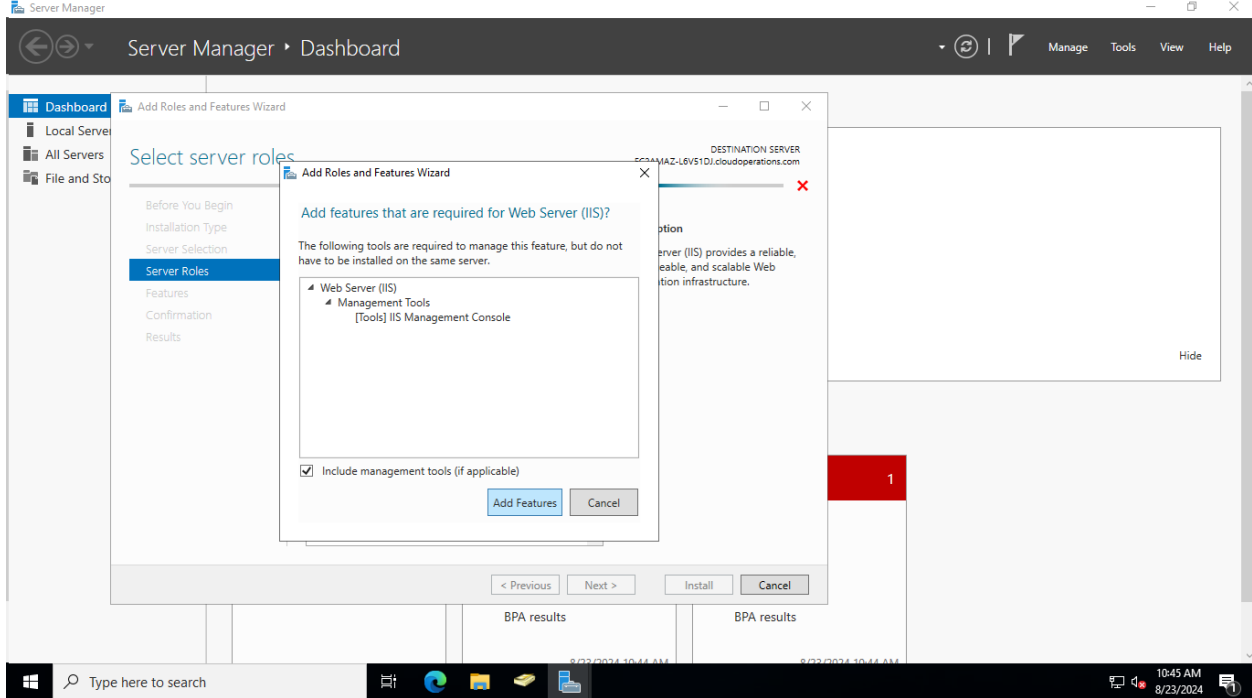
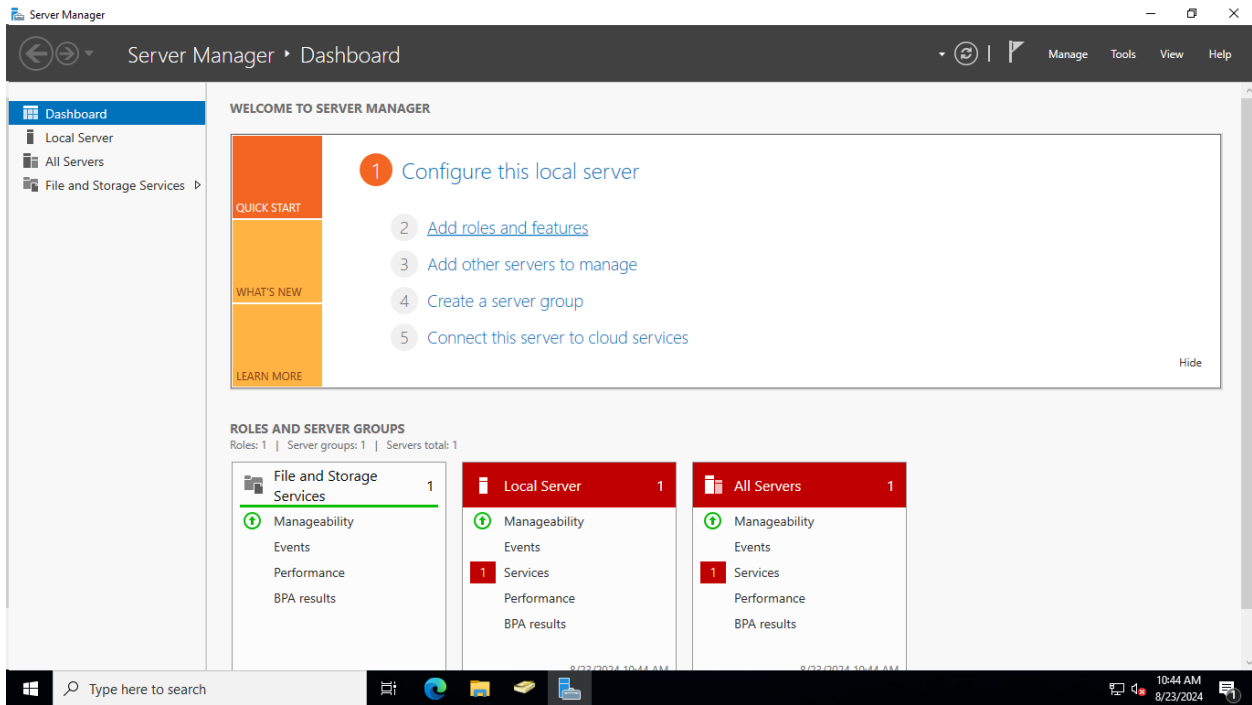
Finally webserver Done

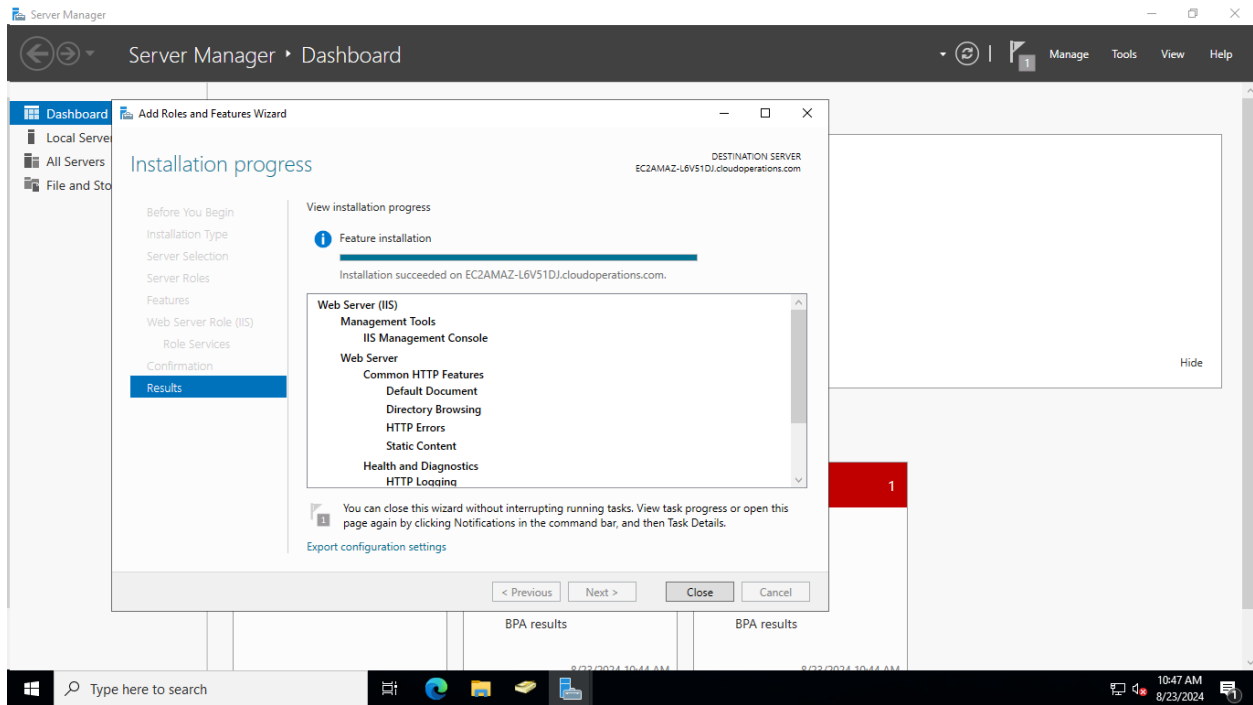


TASK 2

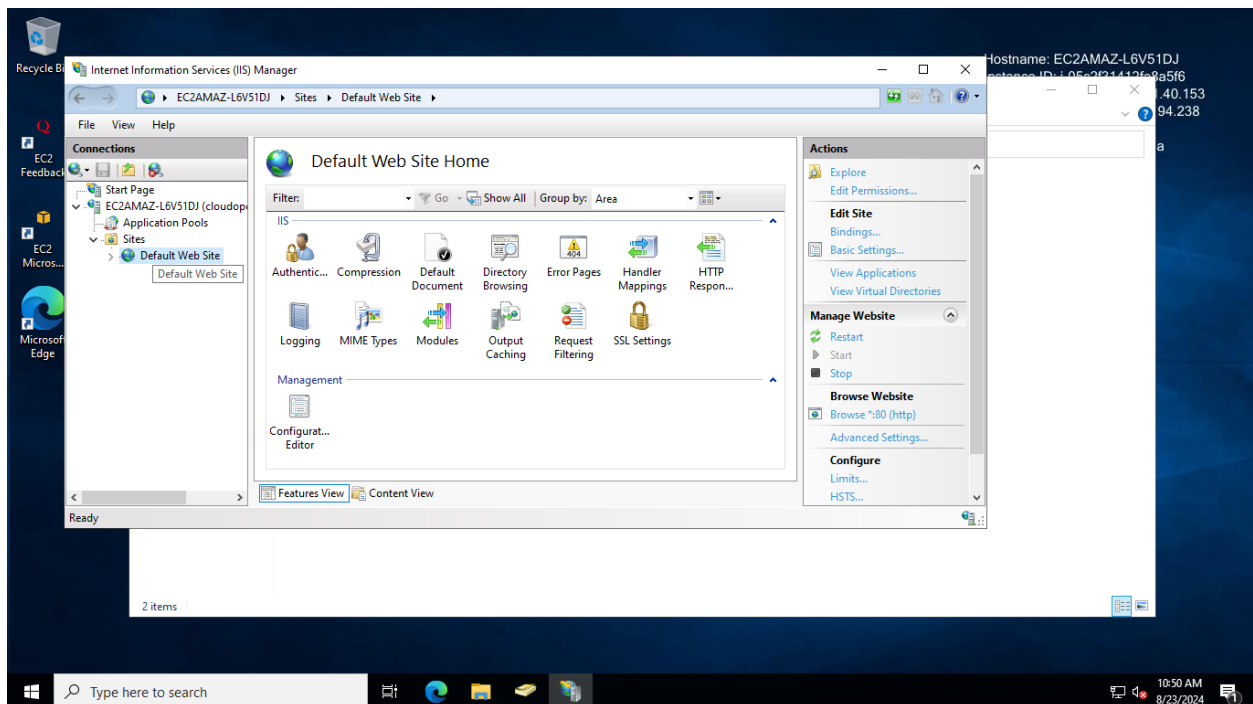
WINDOW SERVER 1 IP 3.108.194.238

WINDOW SERVER 2 IP

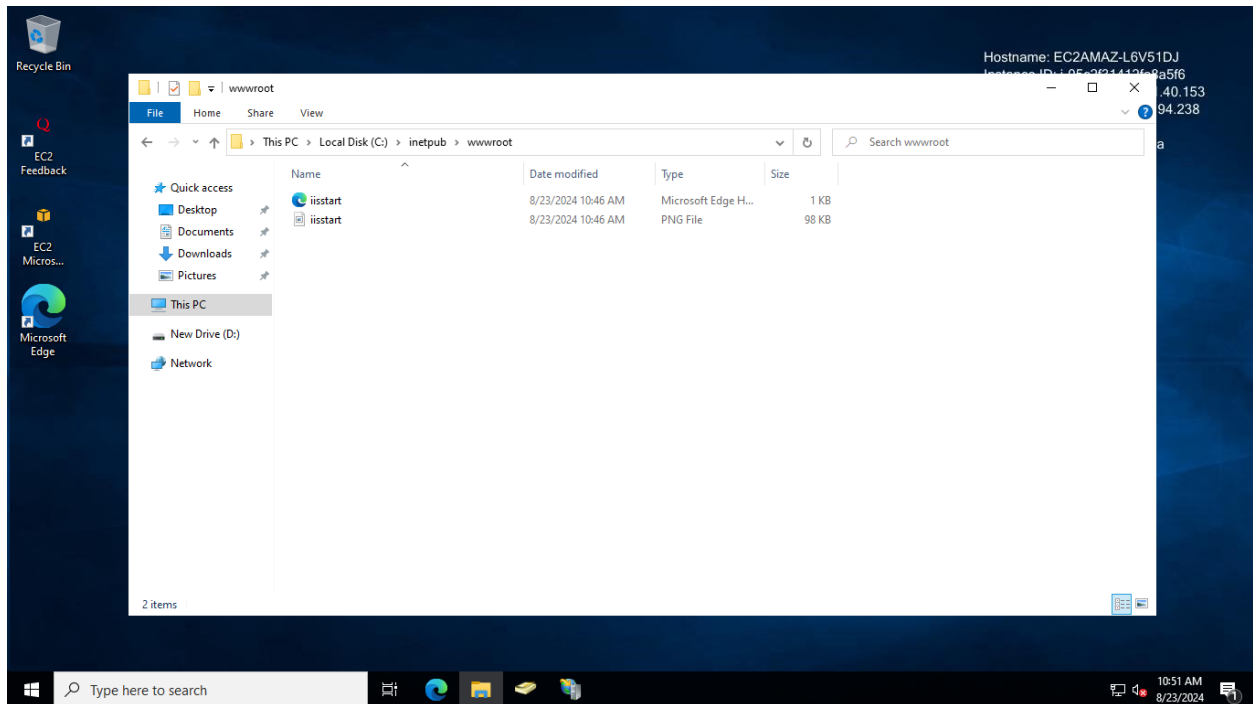




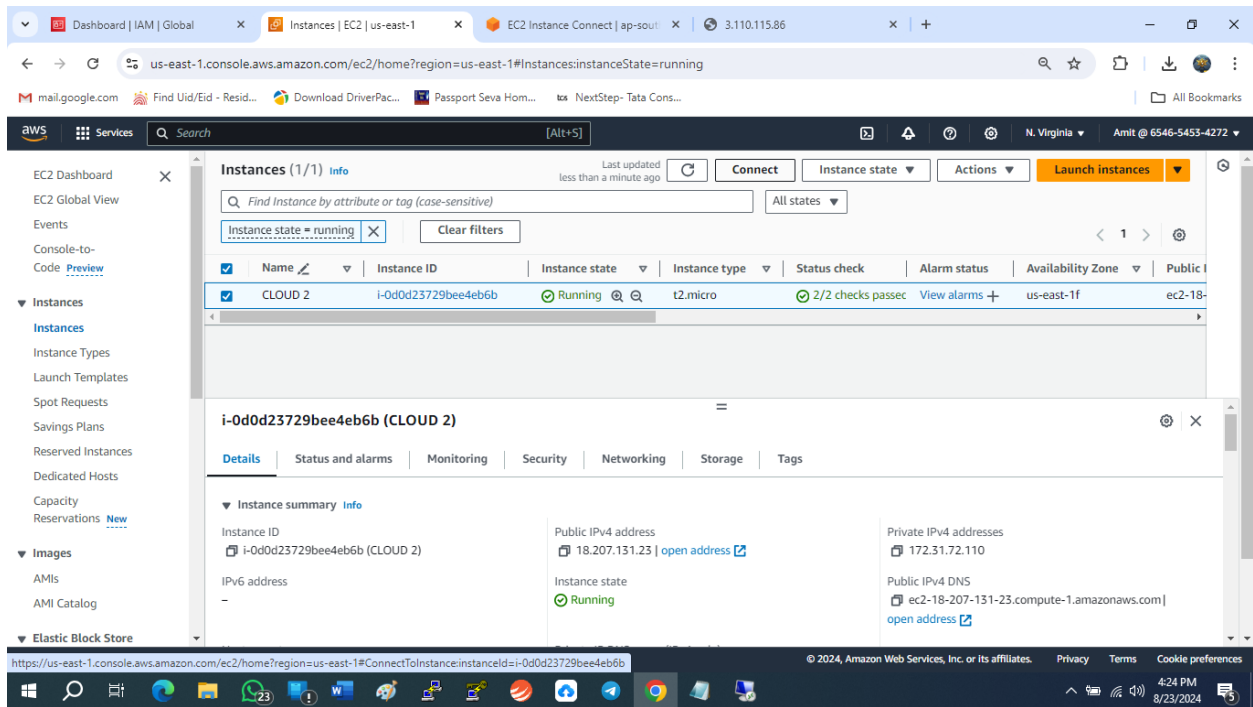
Window +r and search inetmgr shortcut cmd for iis webserver



both option here to edit this



VM2 and check VM1 webpage in vm2



Access same webpage to this vm

