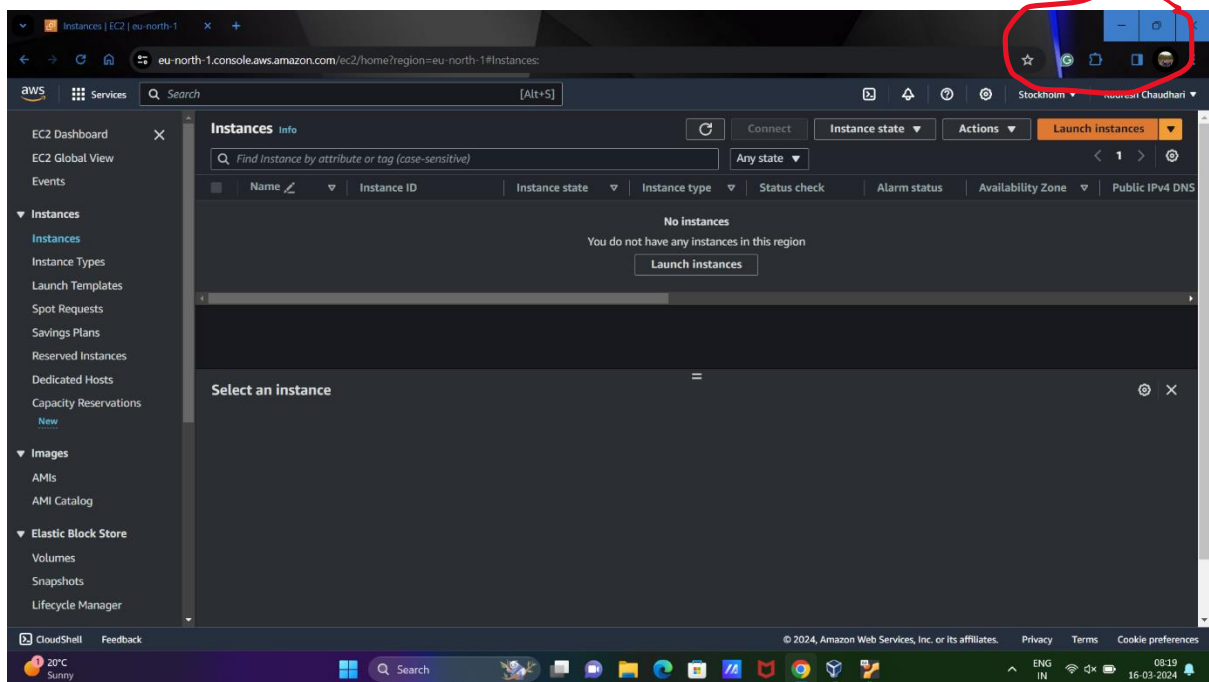
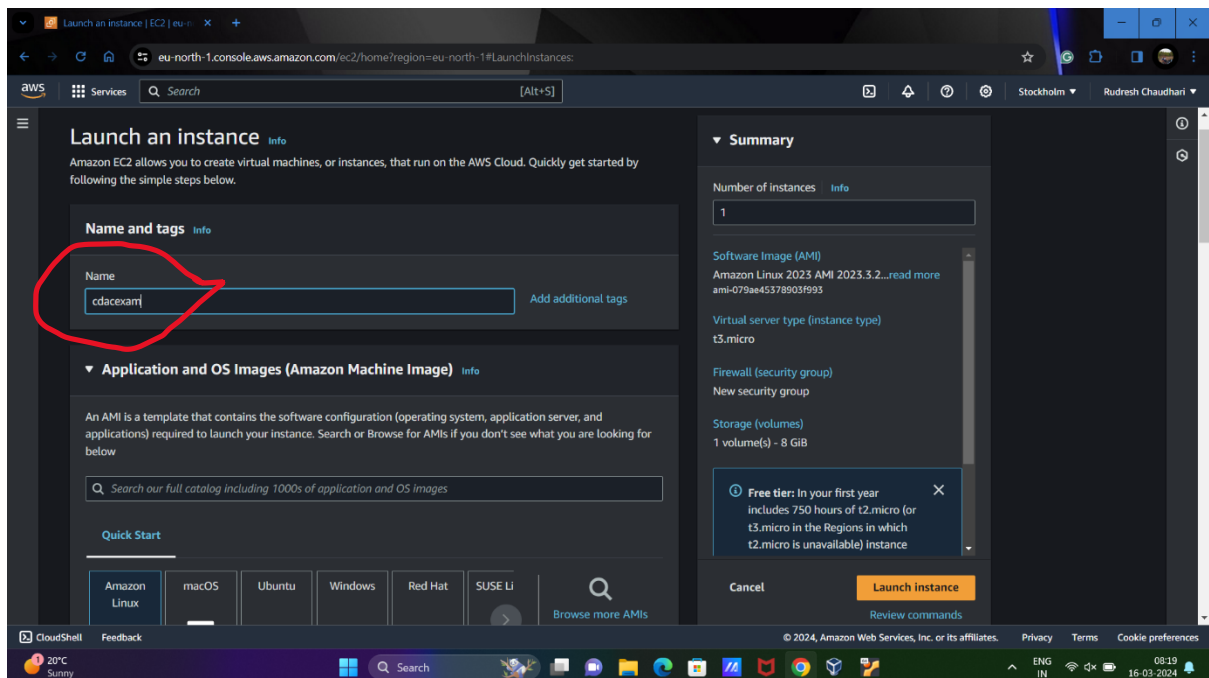


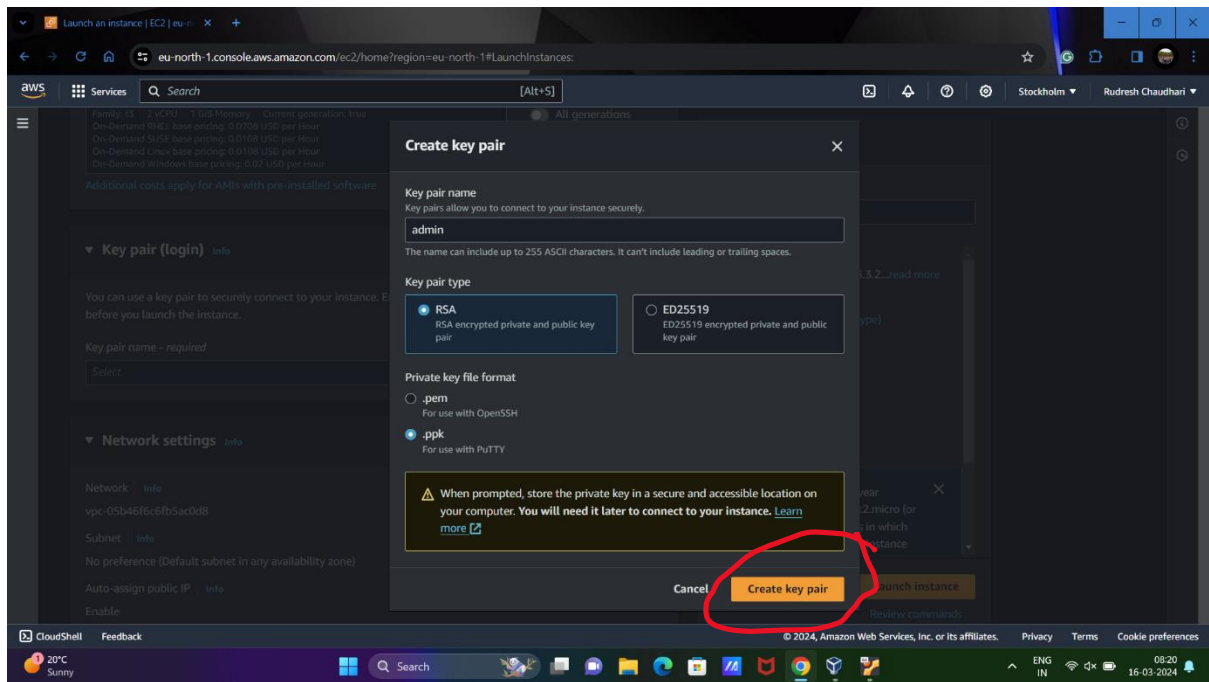
Question- EC2



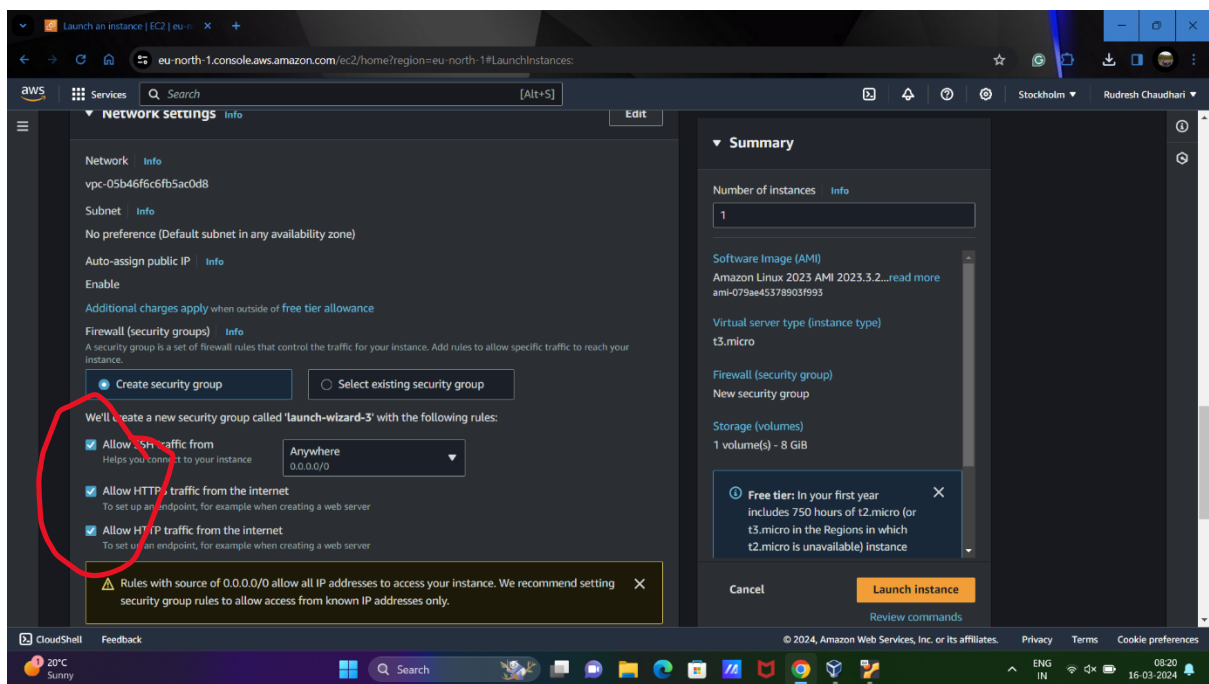
- After successfully logged in to your console, we will create new instance or launch new instance



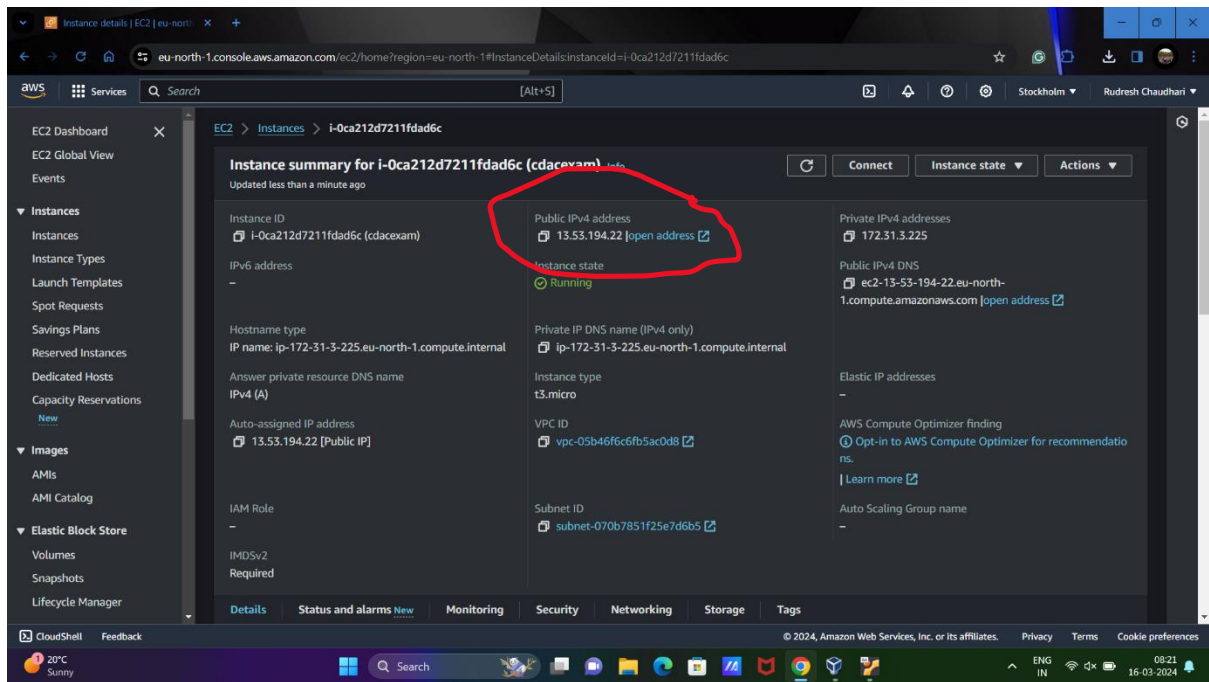
- We will give name to our instance.



- We will create a new key pair

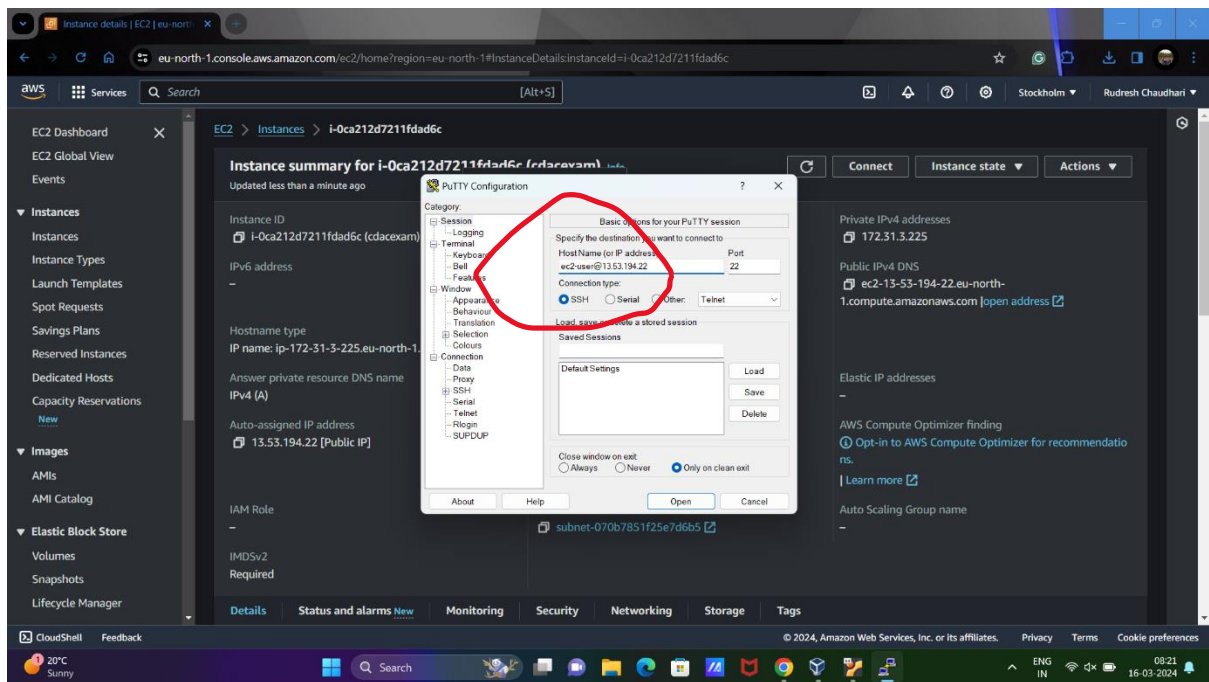


- Ticked or allowed all the boxes highlighted.

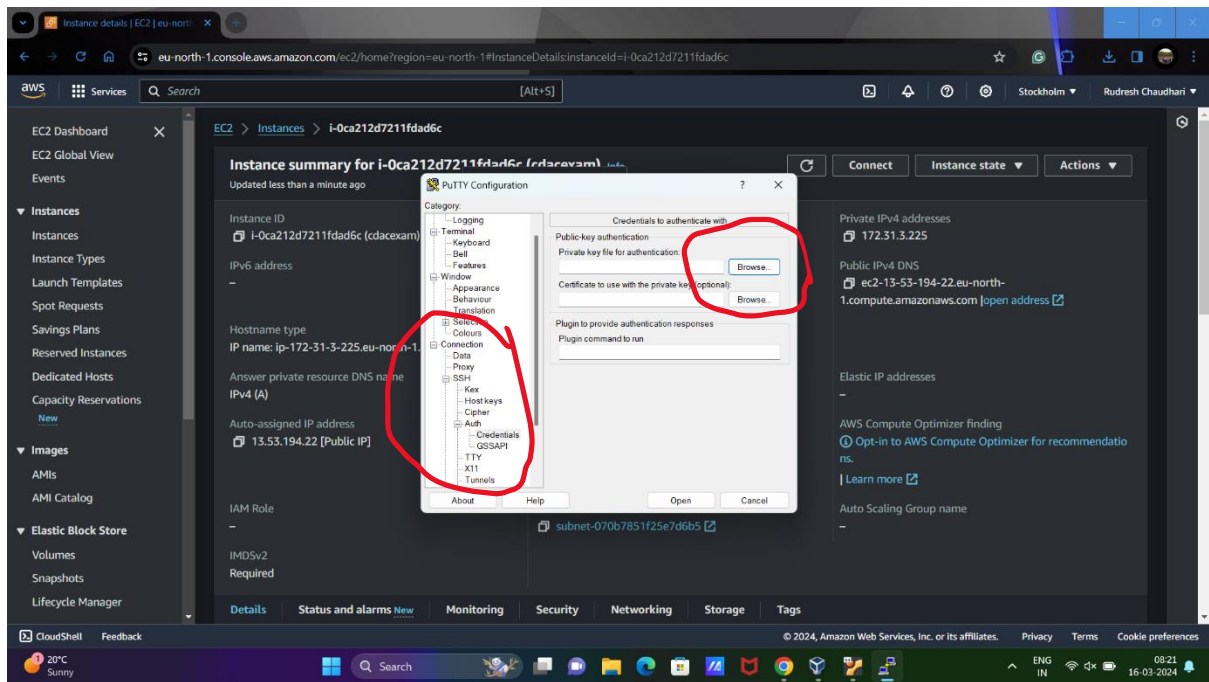


- Copy the public IPv4 address

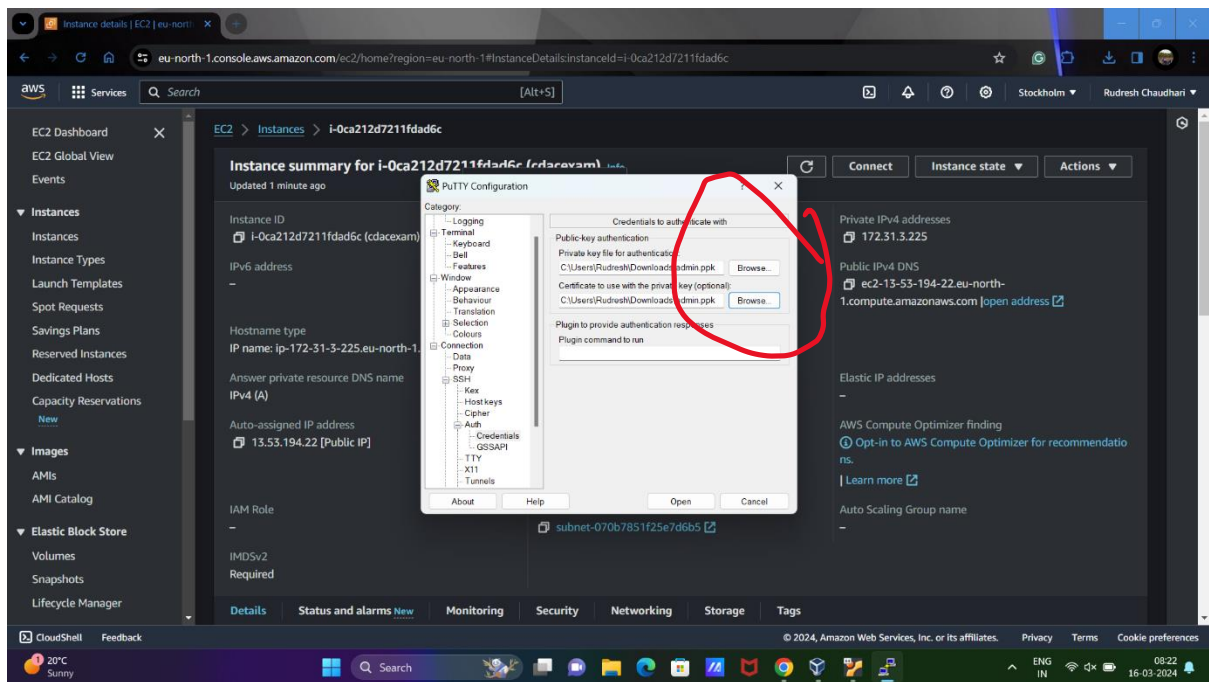
Now open Putty



- Write host name as ec2-user@copied address(IPv4 address)



- Click on SSH , then Auth , and select credentials



- Browse the key pair downloaded when creating new instance.
- Then click on open.

```
ec2-user@ip-172-31-3-225:~$ ssh-keygen -f /dev/null -t rsa -b 2048 -C "ec2-user"
Unable to use certificate file "C:\Users\Rudresh\Downloads\admin.ppk" (PuTTY
SSH-2 private key)
Using username "ec2-user".
Authenticating with public key "admin"

      _ _ _ _ _
     _ _ _ _ _
    _ _ _ _ _
   _ _ _ _ _
  _ _ _ _ _
 _ _ _ _ _
_ _ _ _ _

Amazon Linux 2023

https://aws.amazon.com/linux/amazon-linux-2023

[ec2-user@ip-172-31-3-225 ~]$
```

```
root@ip-172-31-3-225:~$ ssh-keygen -f /dev/null -t rsa -b 2048 -C "ec2-user"
Unable to use certificate file "C:\Users\Rudresh\Downloads\admin.ppk" (PuTTY
SSH-2 private key)
Using username "ec2-user".
Authenticating with public key "admin"

      _ _ _ _ _
     _ _ _ _ _
    _ _ _ _ _
   _ _ _ _ _
  _ _ _ _ _
 _ _ _ _ _
_ _ _ _ _

Amazon Linux 2023

https://aws.amazon.com/linux/amazon-linux-2023

[ec2-user@ip-172-31-3-225 ~]$ sudo -i
[root@ip-172-31-3-225 ~]# yum update -y
Last metadata expiration check: 0:01:23 ago on Sat Mar 16 02:51:19 2024.
Dependencies resolved.
Nothing to do.
Complete!
[root@ip-172-31-3-225 ~]# yum install httpd -y
Last metadata expiration check: 0:01:35 ago on Sat Mar 16 02:51:19 2024.
Dependencies resolved.
=====
Package                                Architecture      Version            Repository          Size
-----
Installing:
httpd                                   x86_64            2.4.58-1.amzn2023  amazonlinux         47 k
Installing dependencies:
apr                                     x86_64            1.7.2-2.amzn2023.0.2  amazonlinux        129 k
apr-util                               x86_64            1.6.3-1.amzn2023.0.1  amazonlinux         96 k
generic-logos-httpd                    noarch            18.0.0-12.amzn2023.0.3  amazonlinux         19 k
httpd-core                             x86_64            2.4.58-1.amzn2023    amazonlinux        1.4 M
httpd-filesystem                       noarch            2.4.58-1.amzn2023    amazonlinux         14 k
httpd-tools                             x86_64            2.4.58-1.amzn2023    amazonlinux         61 k
libbrotli                               x86_64            1.0.9-4.amzn2023.0.2  amazonlinux        315 k
mailcap                                 noarch            2.1.49-3.amzn2023.0.3  amazonlinux         33 k
Installing weak dependencies:
apr-util-openssl                       x86_64            1.6.3-1.amzn2023.0.1  amazonlinux         17 k
mod_http2                              x86_64            2.0.11-2.amzn2023    amazonlinux        150 k
mod_lua                                x86_64            2.4.58-1.amzn2023    amazonlinux         61 k
Transaction Summary
-----
Install 12 Packages

Total download size: 2.3 M
Installed size: 6.9 M
Downloading Packages:
=====
```

- sudo -i
- yum update -y
- yum install httpd -y

```

root@ip-172-31-3-225:/var/www/html#
(10/12): https-fsfilesystem-2.4.58-1.amzn2023.noarch.rpm
(11/12): httpd-tools-2.4.58-1.amzn2023.x86_64.rpm
(12/12): mailcap-2.1.49-3.amzn2023.0.3.noarch.rpm
992 kB/s | 14 kB | 00:00
3.9 MB/s | 81 kB | 00:00
2.4 MB/s | 33 kB | 00:00
-----
Total
Running transaction check
Transaction check succeeded.
Running transaction test
Transaction test succeeded.
Running transaction
Preparing :
Installing : apr-1.7.2-2.amzn2023.0.2.x86_64 1/12
Installing : apr-util-openssl-1.6.3-1.amzn2023.0.1.x86_64 1/12
Installing : apr-util-1.6.3-1.amzn2023.0.1.x86_64 2/12
Installing : mailcap-2.1.49-3.amzn2023.0.3.noarch 3/12
Installing : httpd-tools-2.4.58-1.amzn2023.x86_64 4/12
Running scriptlet: httpd-fsfilesystem-2.4.58-1.amzn2023.noarch 5/12
Installing : httpd-fsfilesystem-2.4.58-1.amzn2023.noarch 6/12
Installing : httpd-core-2.4.58-1.amzn2023.x86_64 6/12
Installing : mod_http2-2.0.11-2.amzn2023.x86_64 7/12
Installing : mod_lua-2.4.58-1.amzn2023.x86_64 8/12
Installing : generic-logos-httpd-18.0.0-12.amzn2023.0.3.noarch 9/12
Installing : libbrotli-1.0.9-4.amzn2023.0.2.x86_64 10/12
Installing : httpd-2.4.58-1.amzn2023.x86_64 11/12
Running scriptlet: httpd-2.4.58-1.amzn2023.x86_64 12/12
Verifying : libbrotli-1.0.9-4.amzn2023.0.2.x86_64 1/12
Verifying : mod_http2-2.0.11-2.amzn2023.x86_64 2/12
Verifying : httpd-2.4.58-1.amzn2023.x86_64 3/12
Verifying : apr-1.7.2-2.amzn2023.0.2.x86_64 4/12
Verifying : mod_lua-2.4.58-1.amzn2023.x86_64 5/12
Verifying : httpd-core-2.4.58-1.amzn2023.x86_64 6/12
Verifying : apr-util-openssl-1.6.3-1.amzn2023.0.1.x86_64 7/12
Verifying : apr-util-1.6.3-1.amzn2023.0.1.x86_64 8/12
Verifying : httpd-tools-2.4.58-1.amzn2023.x86_64 9/12
Verifying : generic-logos-httpd-18.0.0-12.amzn2023.0.3.noarch 10/12
Verifying : httpd-fsfilesystem-2.4.58-1.amzn2023.noarch 11/12
Verifying : mailcap-2.1.49-3.amzn2023.0.3.noarch 12/12

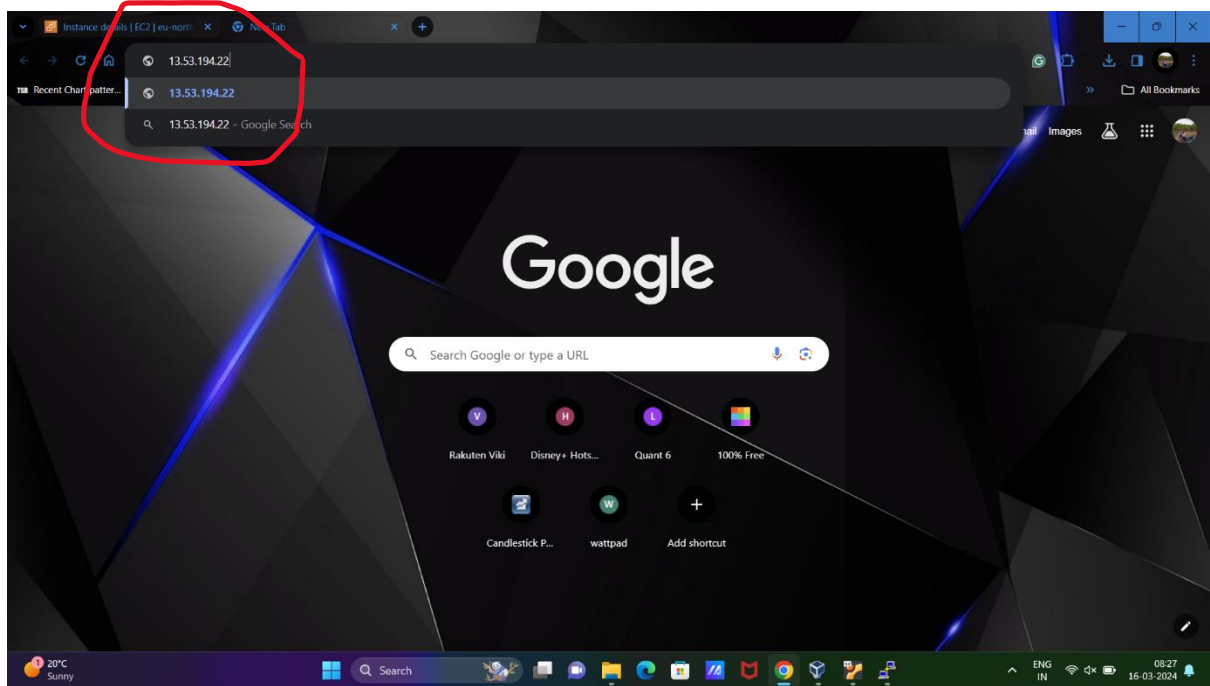
Installed:
apr-1.7.2-2.amzn2023.0.2.x86_64      apr-util-1.6.3-1.amzn2023.0.1.x86_64      apr-util-openssl-1.6.3-1.amzn2023.0.1.x86_64      generic-logos-httpd-18.0.0-12.amzn2023.0.3.noarch
httpd-core-2.4.58-1.amzn2023.x86_64  httpd-fsfilesystem-2.4.58-1.amzn2023.noarch  httpd-tools-2.4.58-1.amzn2023.x86_64      mod_lua-2.4.58-1.amzn2023.x86_64
libbrotli-1.0.9-4.amzn2023.0.2.x86_64  mailcap-2.1.49-3.amzn2023.0.3.noarch      mod_http2-2.0.11-2.amzn2023.x86_64

Complete!
[root@ip-172-31-3-225 ~]# systemctl start httpd
[root@ip-172-31-3-225 ~]# systemctl enable httpd
Created symlink /etc/systemd/system/multi-user.target.wants/httpd.service → /usr/lib/systemd/system/httpd.service.
[root@ip-172-31-3-225 ~]# cd /var/www/html
[root@ip-172-31-3-225 html]# vi index.html

```

- systemctl start httpd
- systemctl enable httpd
- cd /var/www/html
- vi index.html

- Hello World, Good Morning.
- Then we will click esc
- Then shift + :
- Then wq

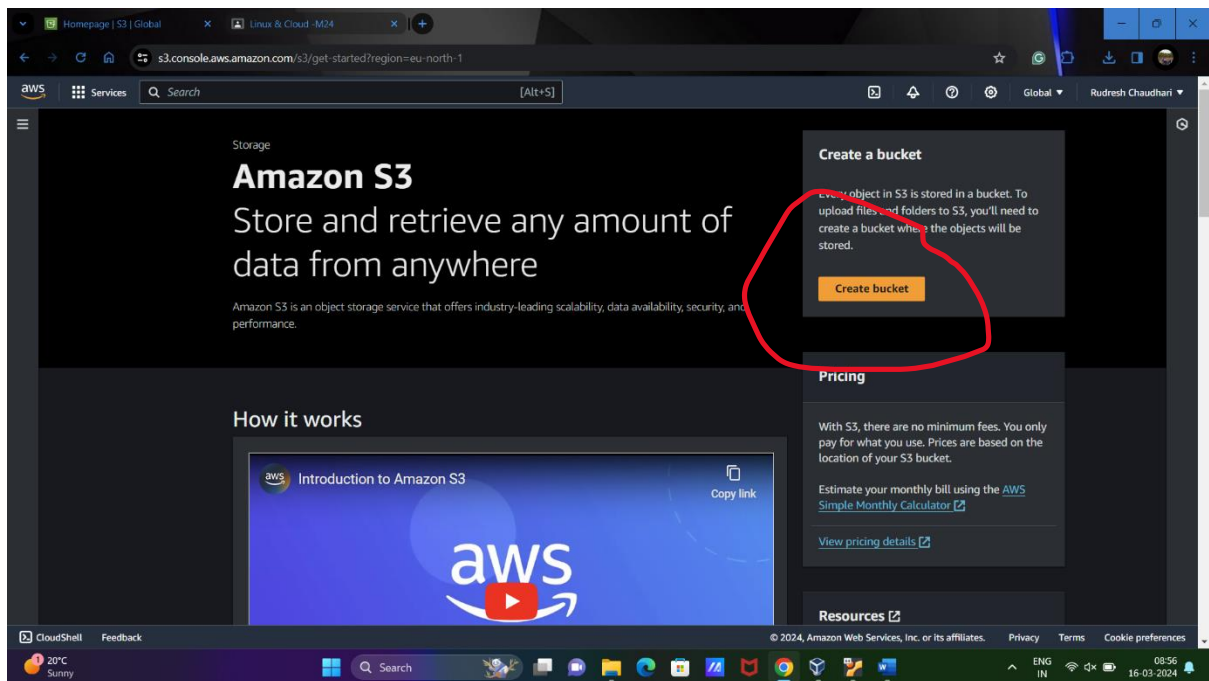


- Enter our IPv4 address

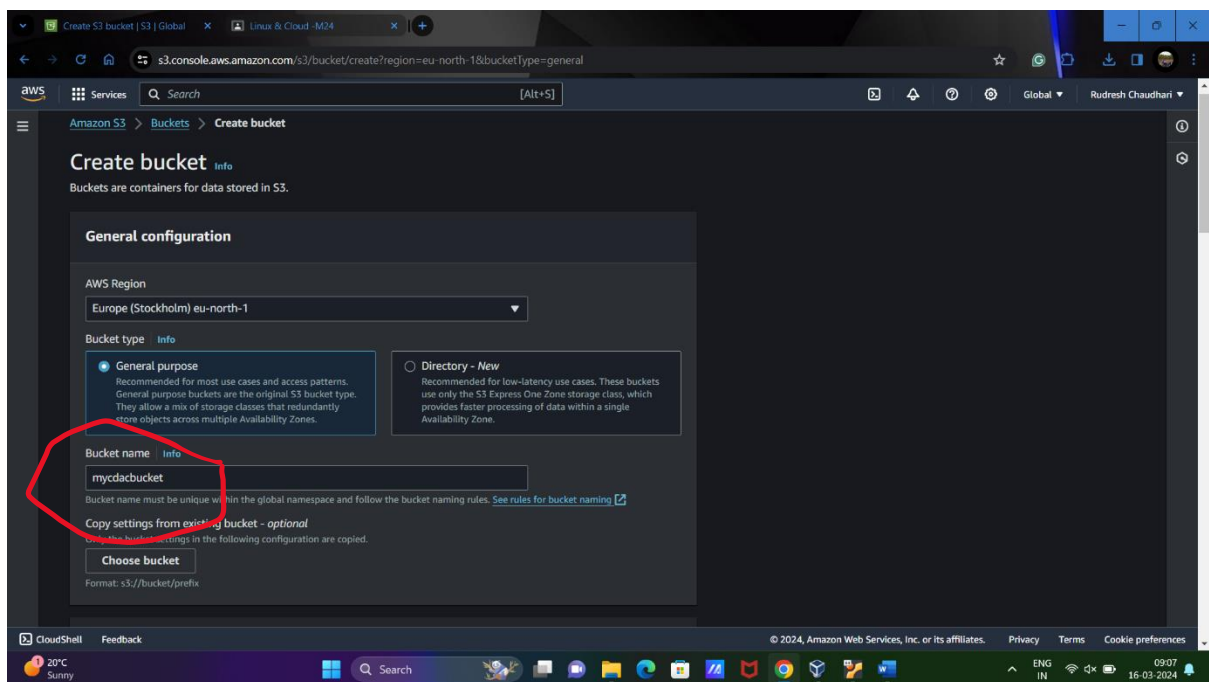


- Output

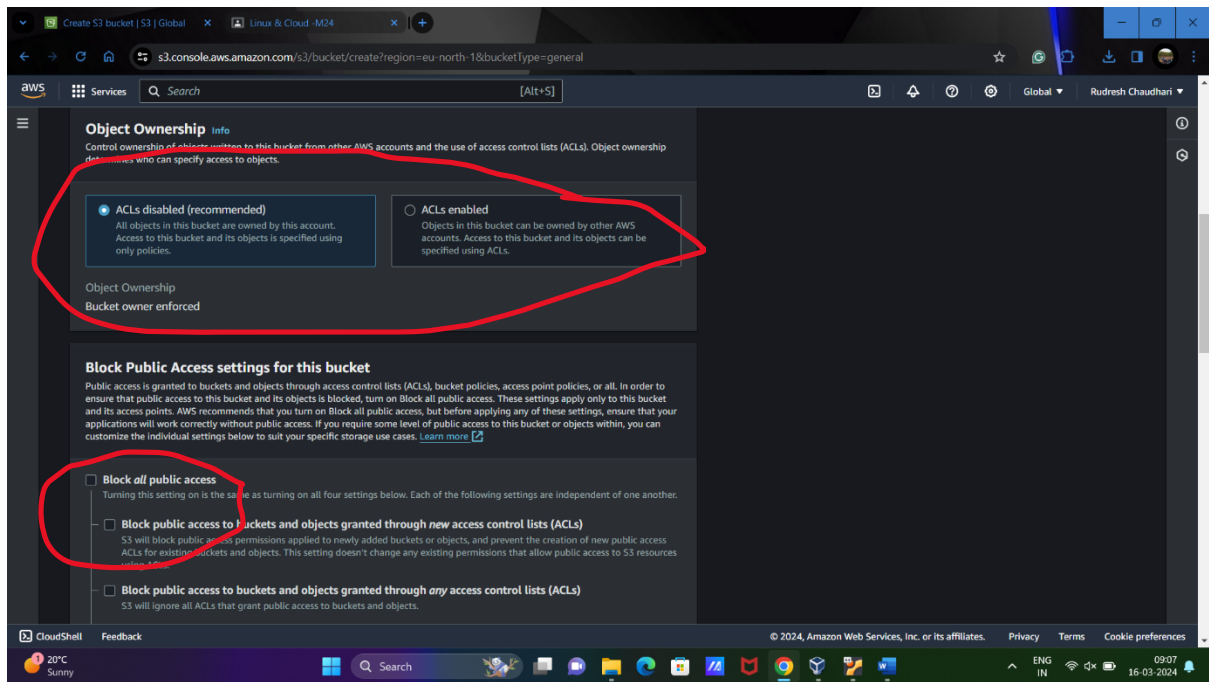
Q- S3



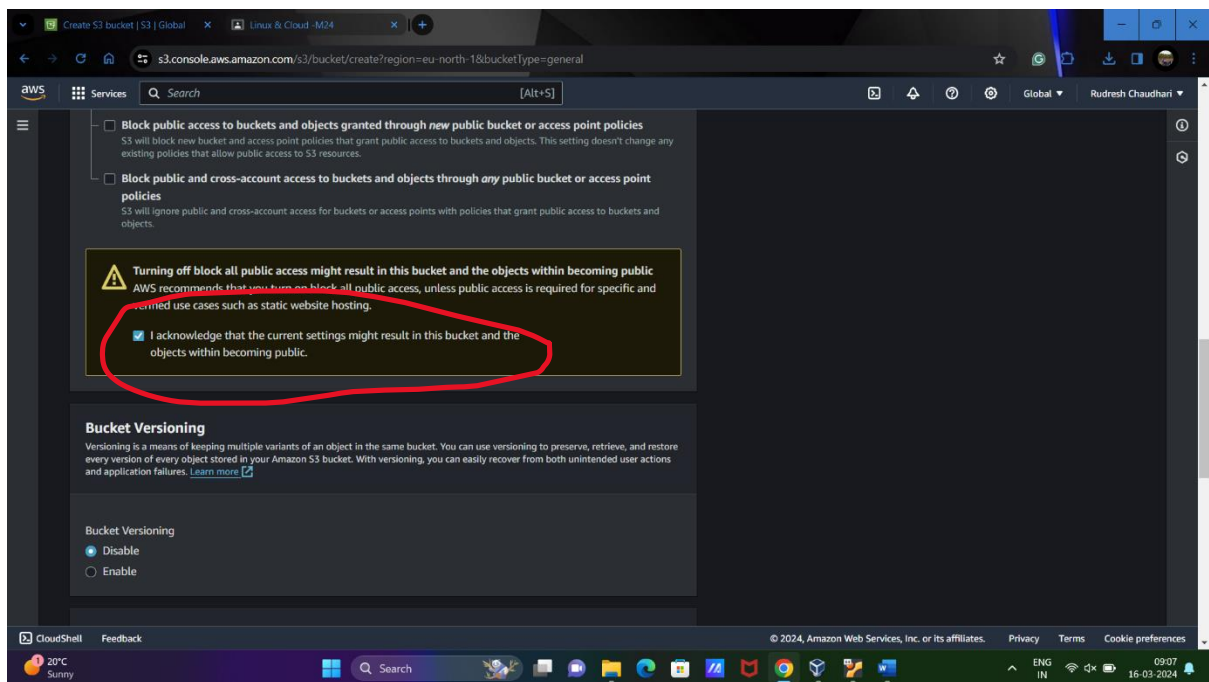
- Create bucket

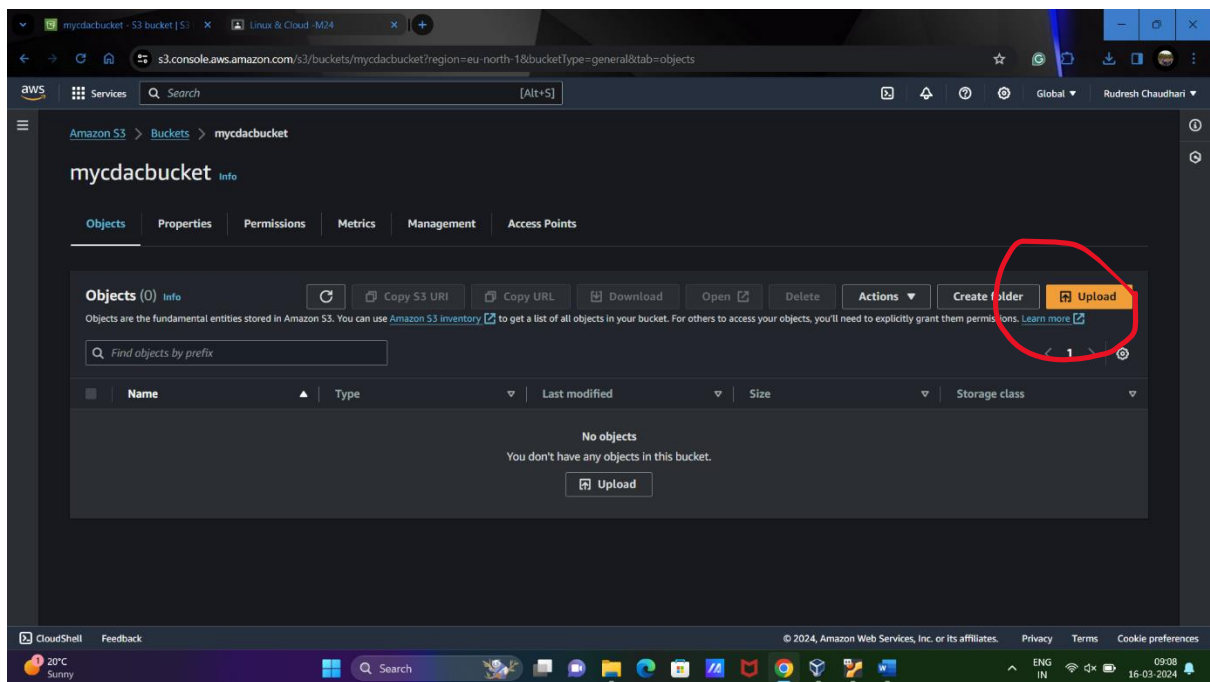
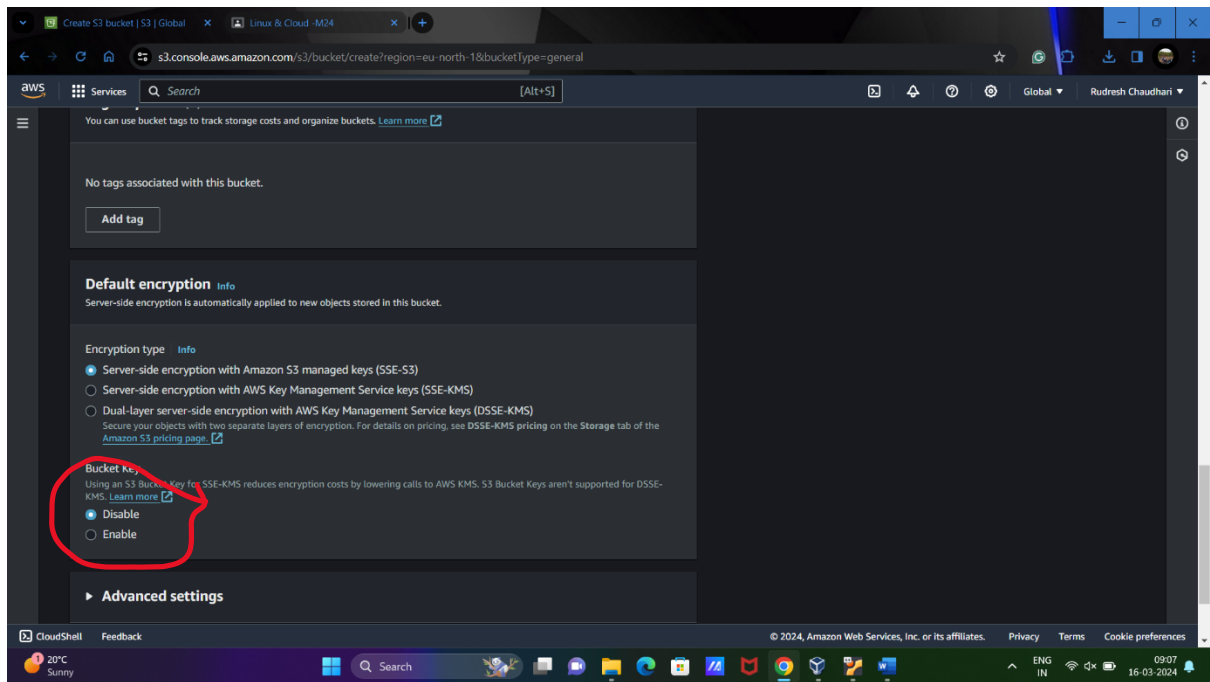


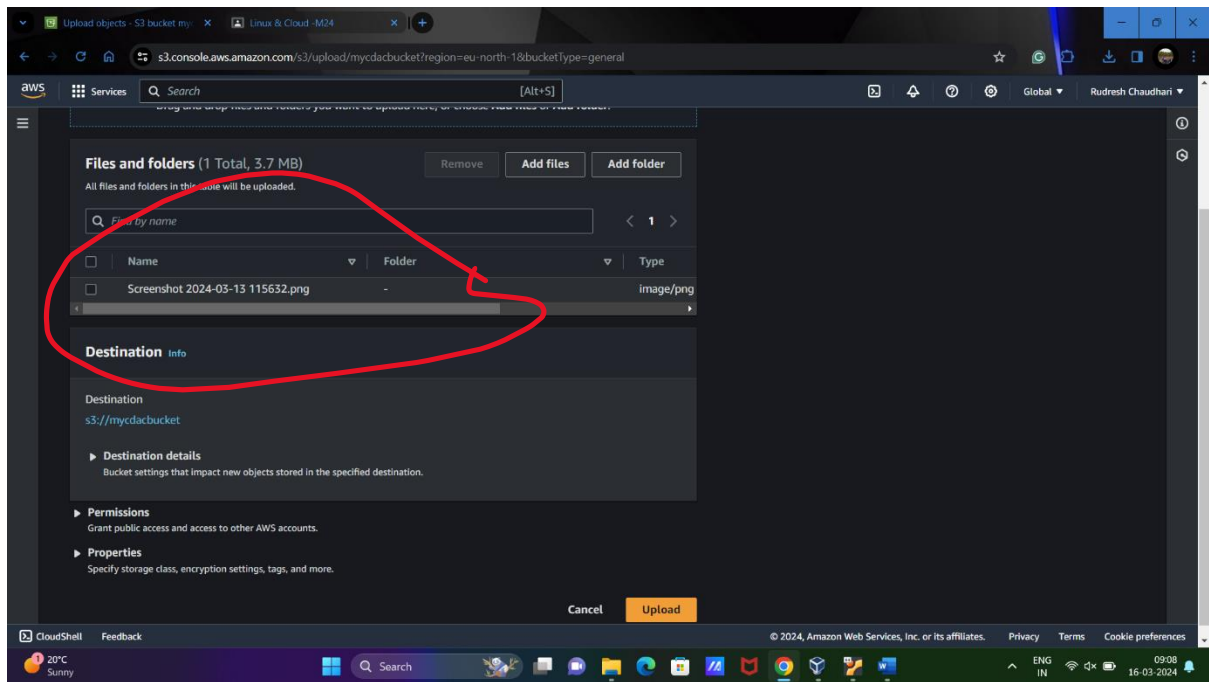
Give bucket name



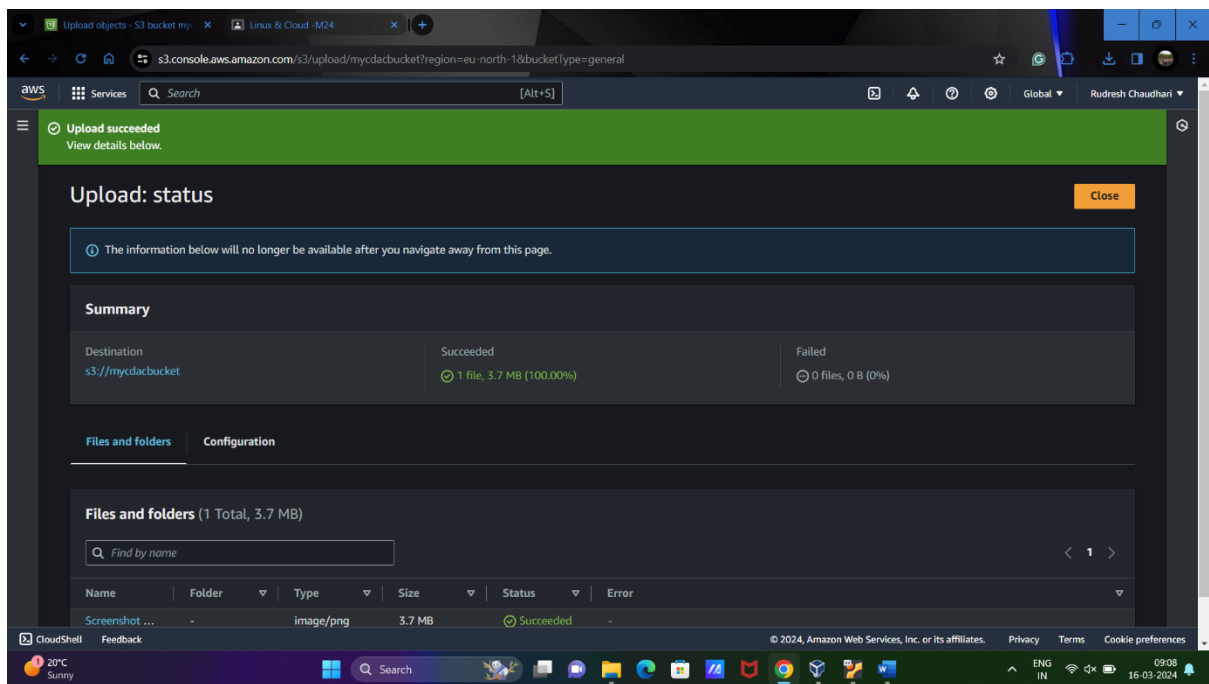
- Acls enabled
- Uncheck(untick) block all public access

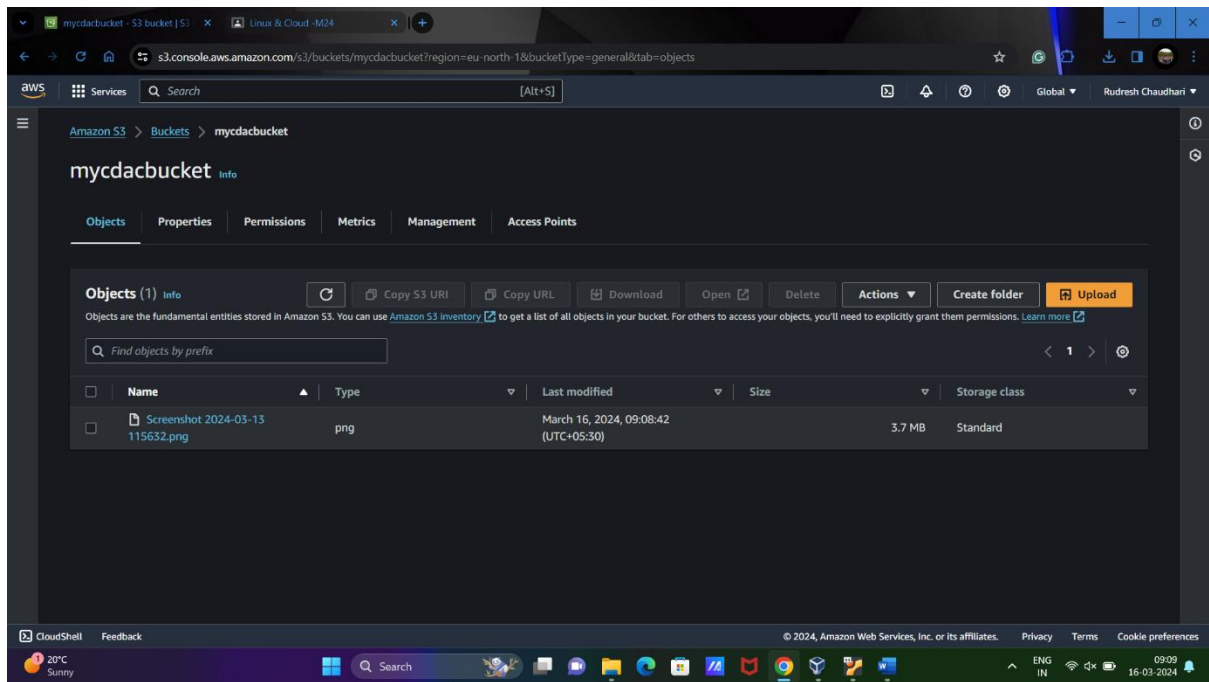




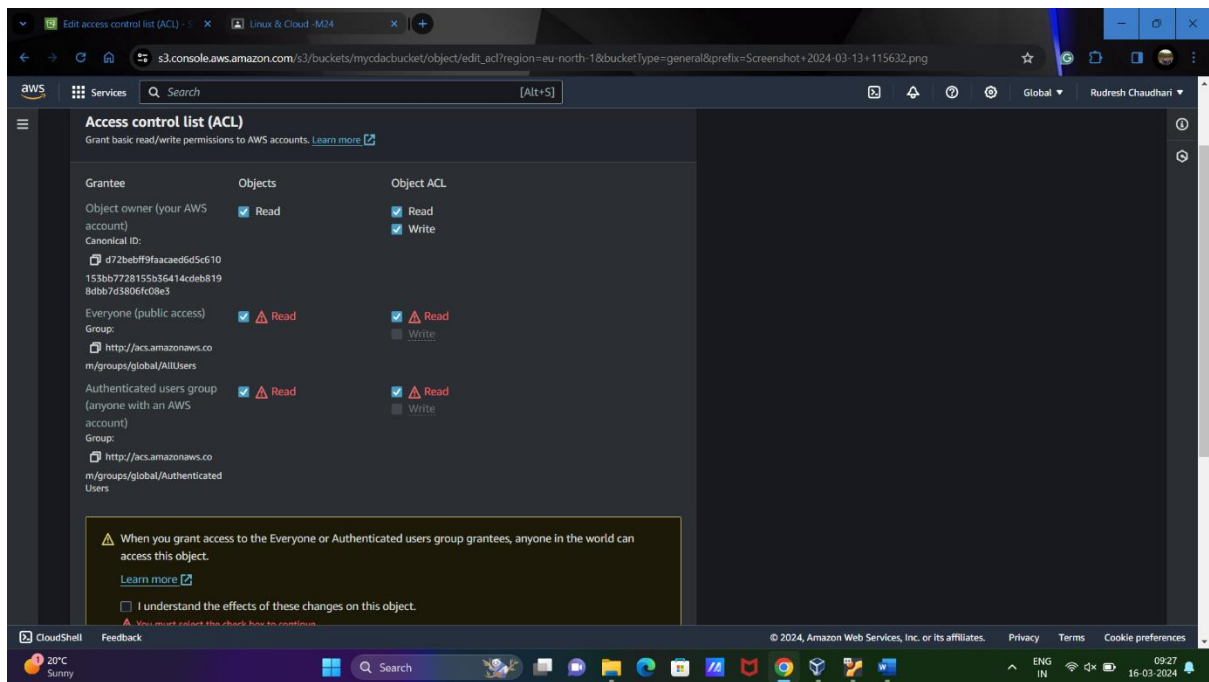


- Uploading image





- Image uploaded successfully



- Tick all read boxes



- OUTPUT

Q1) Write a shell script to find largest number among three number entered by the user.

```
GNU nano 6.2 question1.sh
#!/bin/bash
read -p "Enter the Three Numbers" num1 num2 num3
if [[ $num1 -gt $num2 && $num1 -gt $num3 ]]
then
    echo "num1 is largest number"
elif [[ $num2 -gt $num1 && $num2 -gt $num3 ]]
then
    echo "num2 is largest number"
else
    echo "num3 is largest number"
fi
```

```
rudresh@rudresh-VirtualBox:~$ nano question1.sh
rudresh@rudresh-VirtualBox:~$ bash question1.sh
Enter the Three Numbers 11 22 33
num3 is largest number
rudresh@rudresh-VirtualBox:~$ bash question1.sh
Enter the Three Numbers 11 33 22
num2 is largest number
rudresh@rudresh-VirtualBox:~$ bash question1.sh
Enter the Three Numbers 33 22 11
num1 is largest number
rudresh@rudresh-VirtualBox:~$
```