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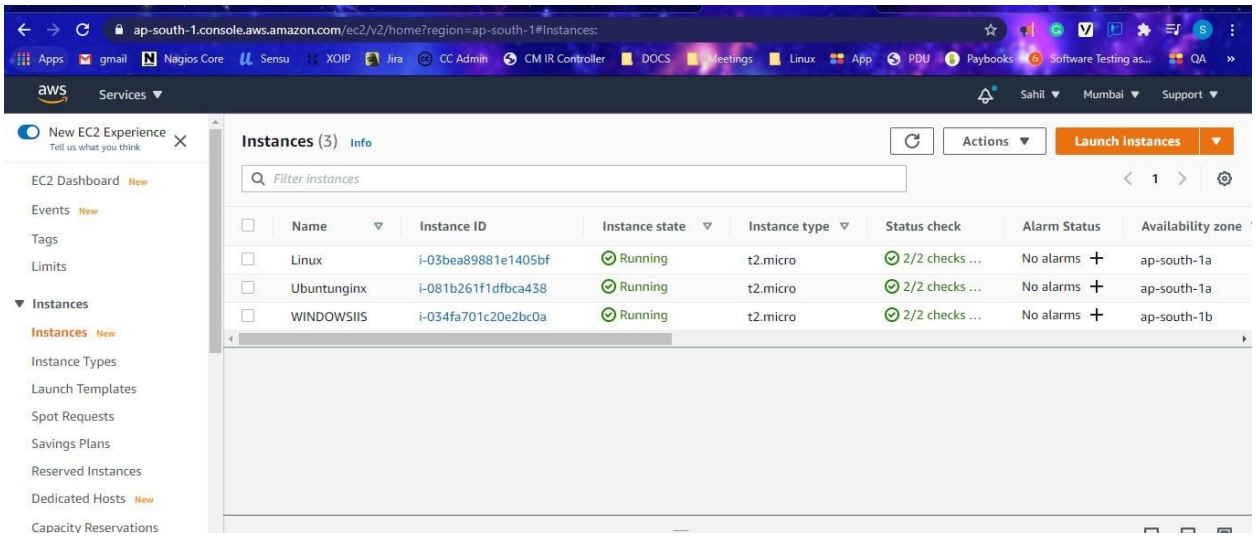
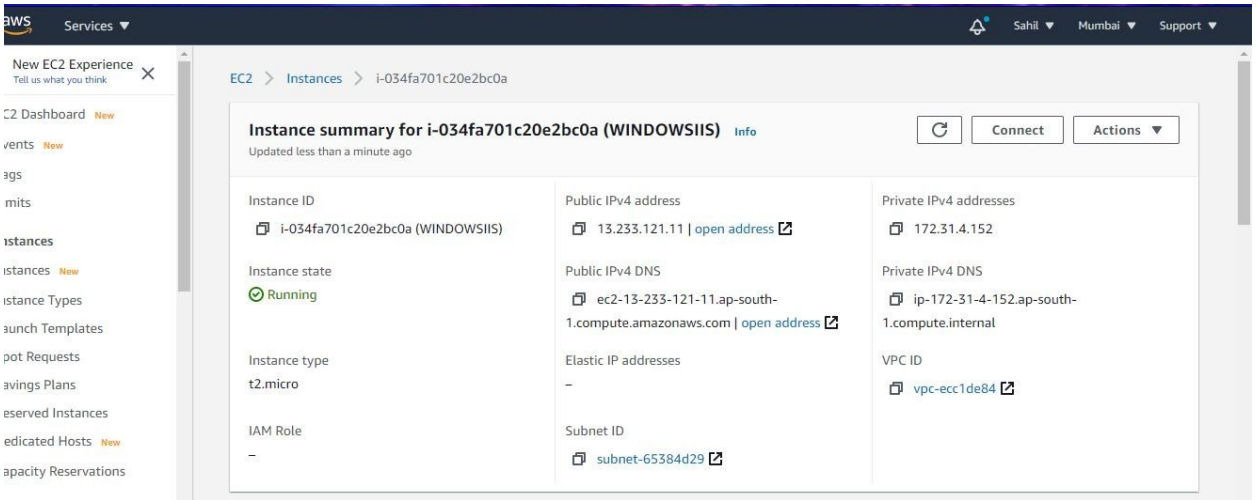
Lets Upgrade AWS
Assignment no 1 (Day 3 & 4)

PROJECT 1: Deploying a web server in Windows instance

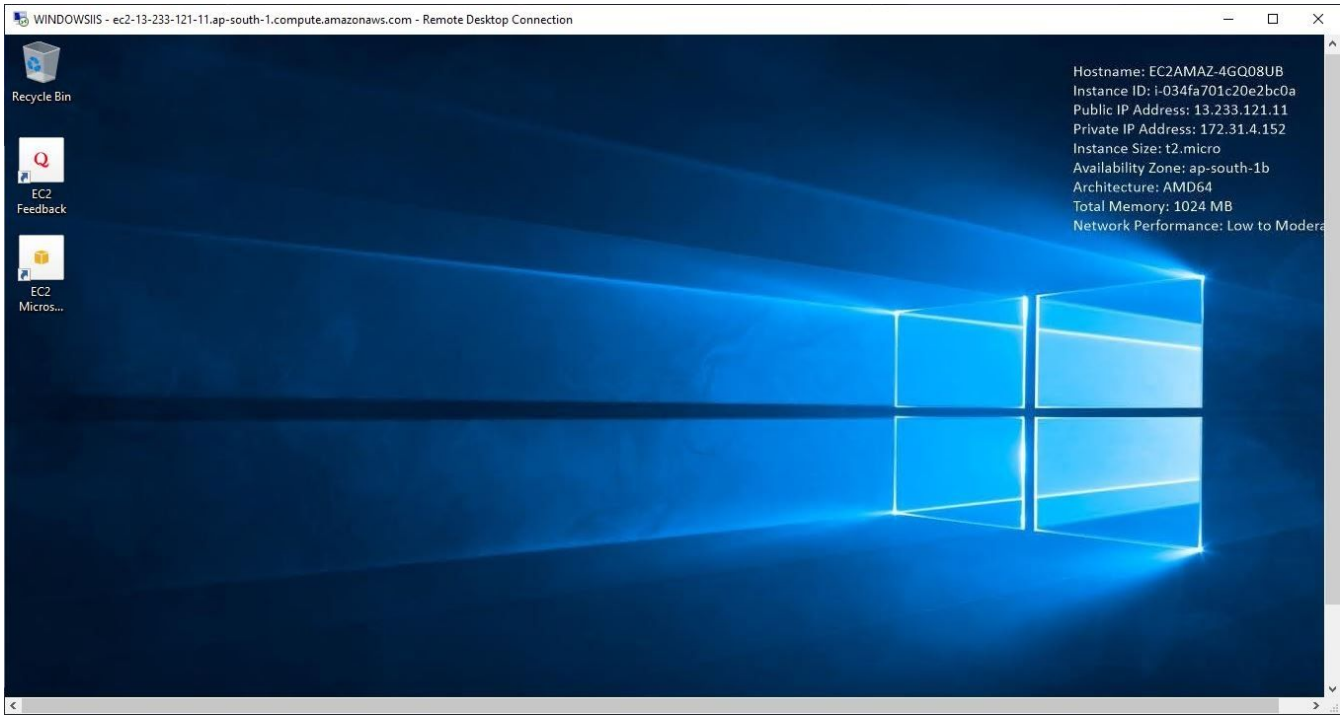
1.Created a Windows EC-2 Instance successfully



2. The details of the Windows Instance

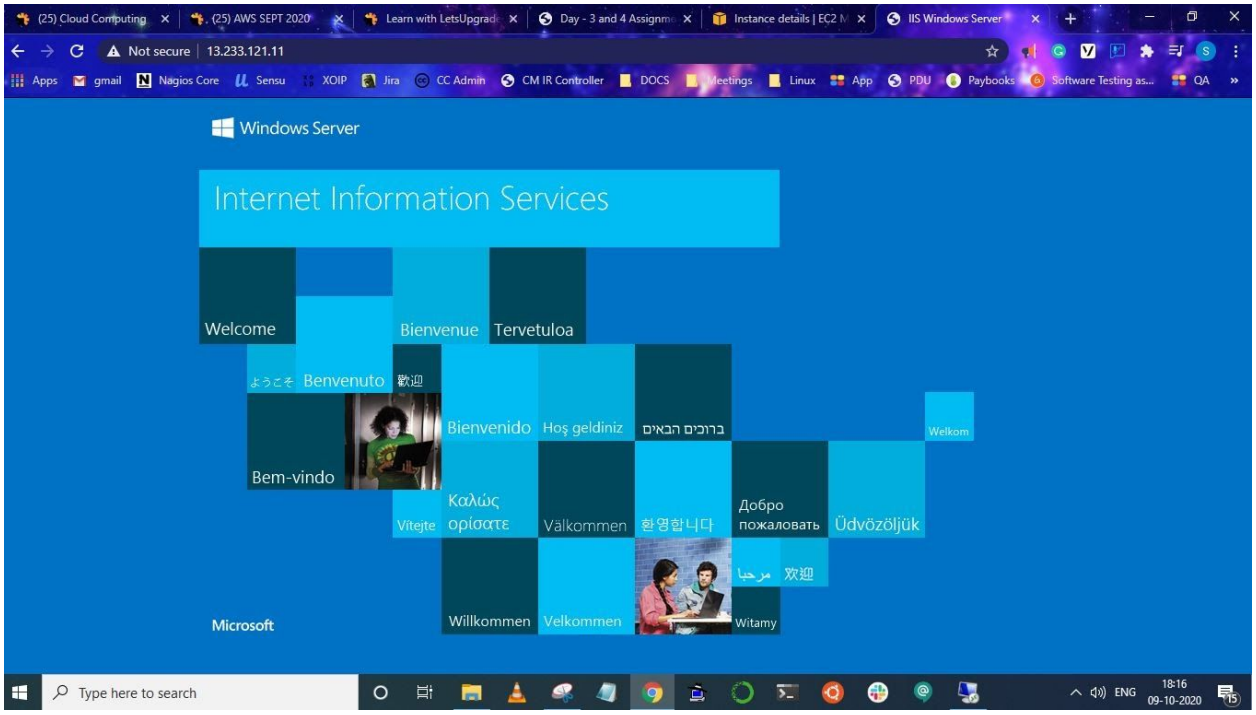


3. Connected to the Windows instance using RDP client



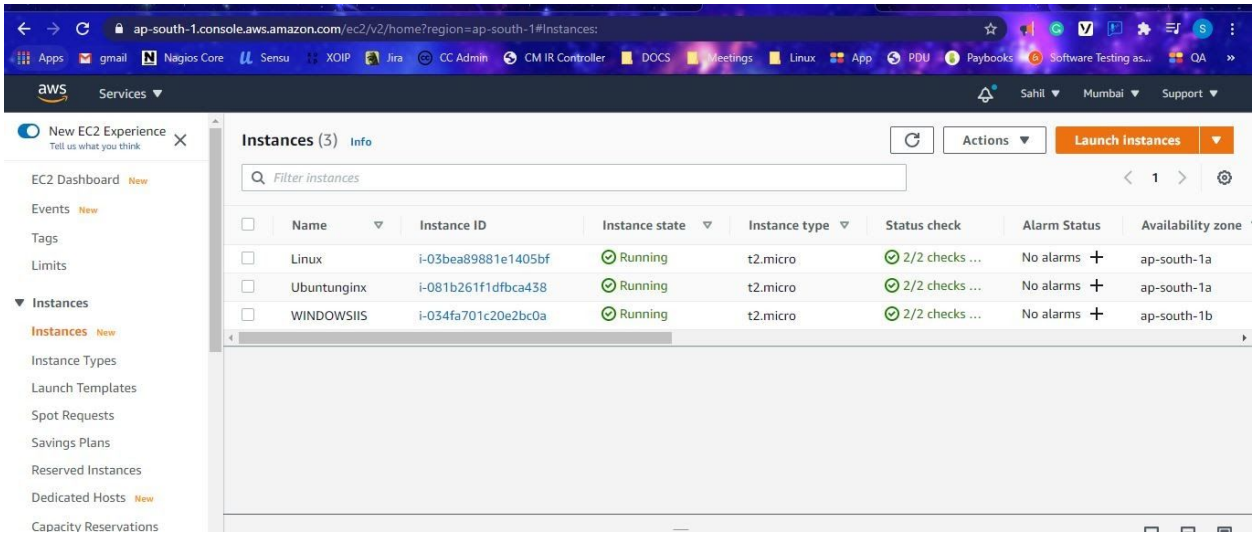
4. Installed the IIS web server on the windows instance using the command *Install-WindowsFeature -name Web-Server -IncludeManagementTools* on the powershell

5. Accessed the webserver using the public IP of the Instance 13.233.121.11 http://13.233.121.11/

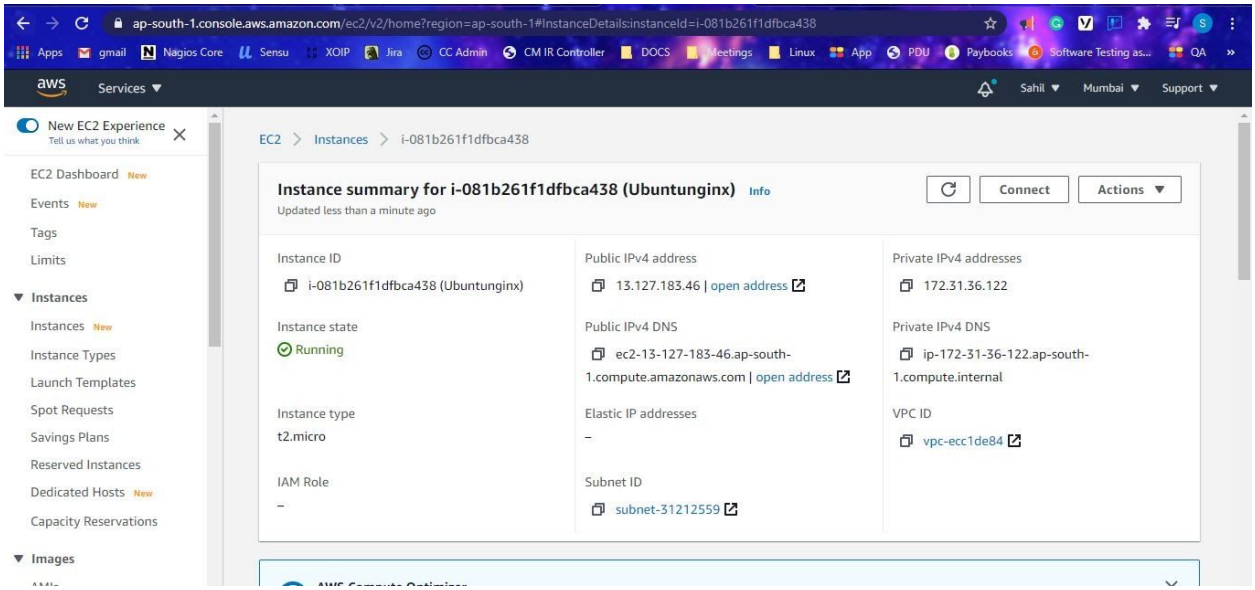


PROJECT 2: Deploying a web server in Windows instance

1. **Created an Ubuntu EC-2 instance**

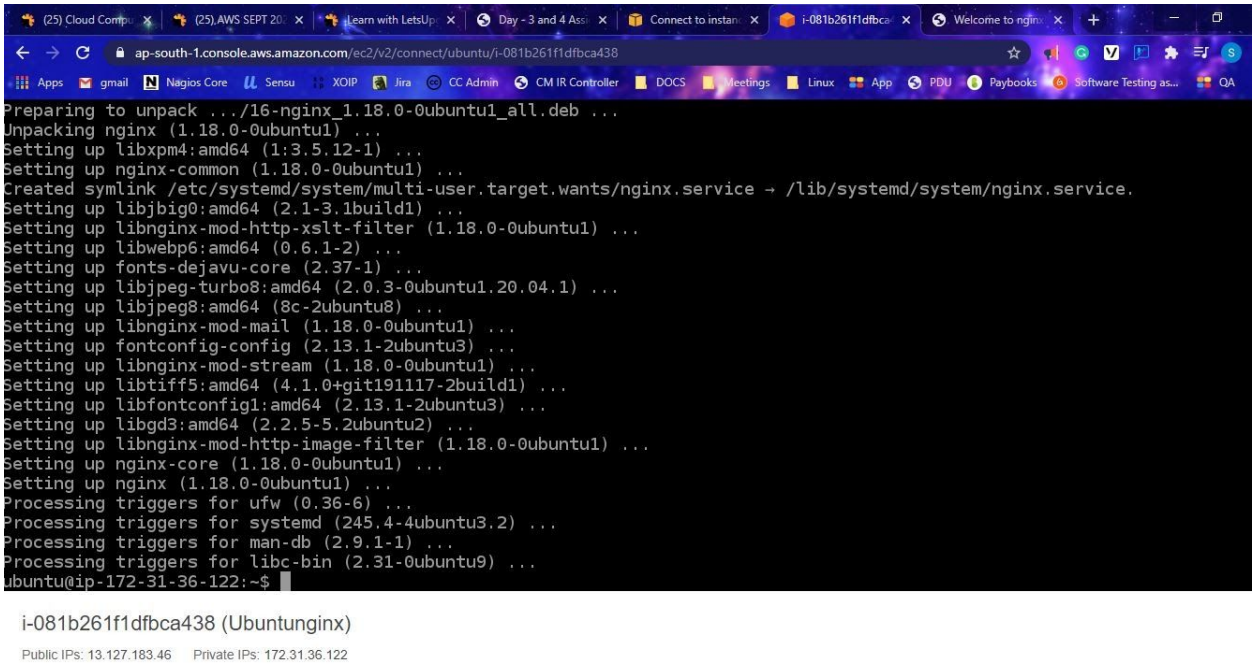


2. Configuration of the Ubuntu Instance



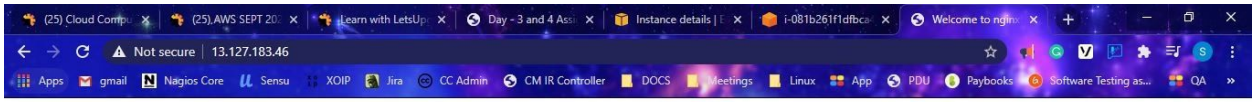
3. Connected to the Instance using EC2 Instance Connect and installed the Nginx web server using the commands:

sudo apt-get -y update
sudo apt-get -y install nginx



4. **Accessed the webserver using the Instance's Public IP**

http://13.127.183.46/



Welcome to nginx!

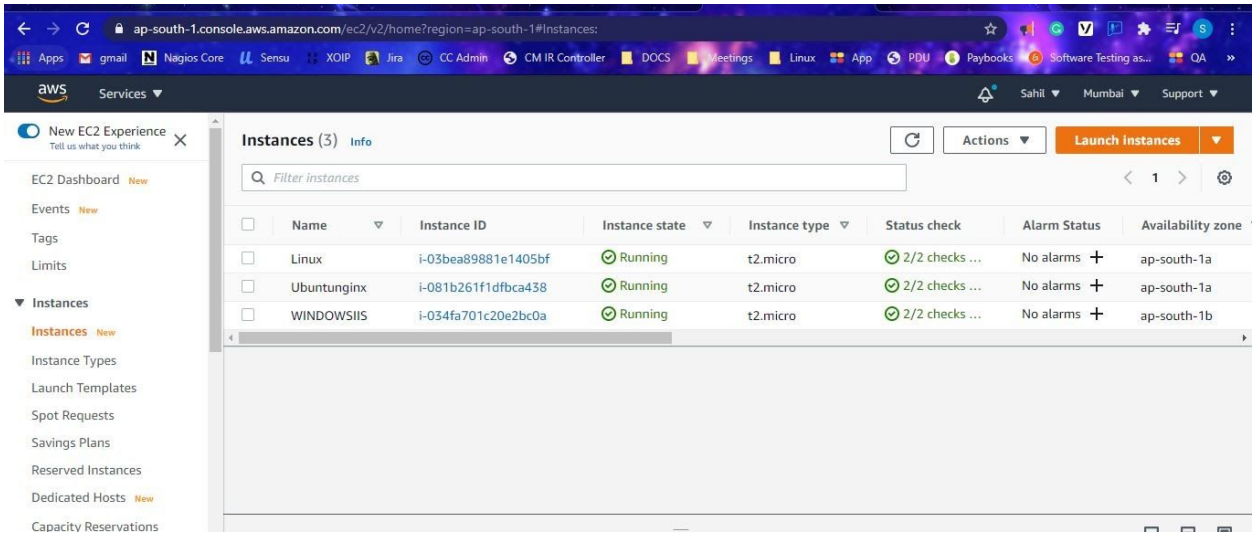
If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

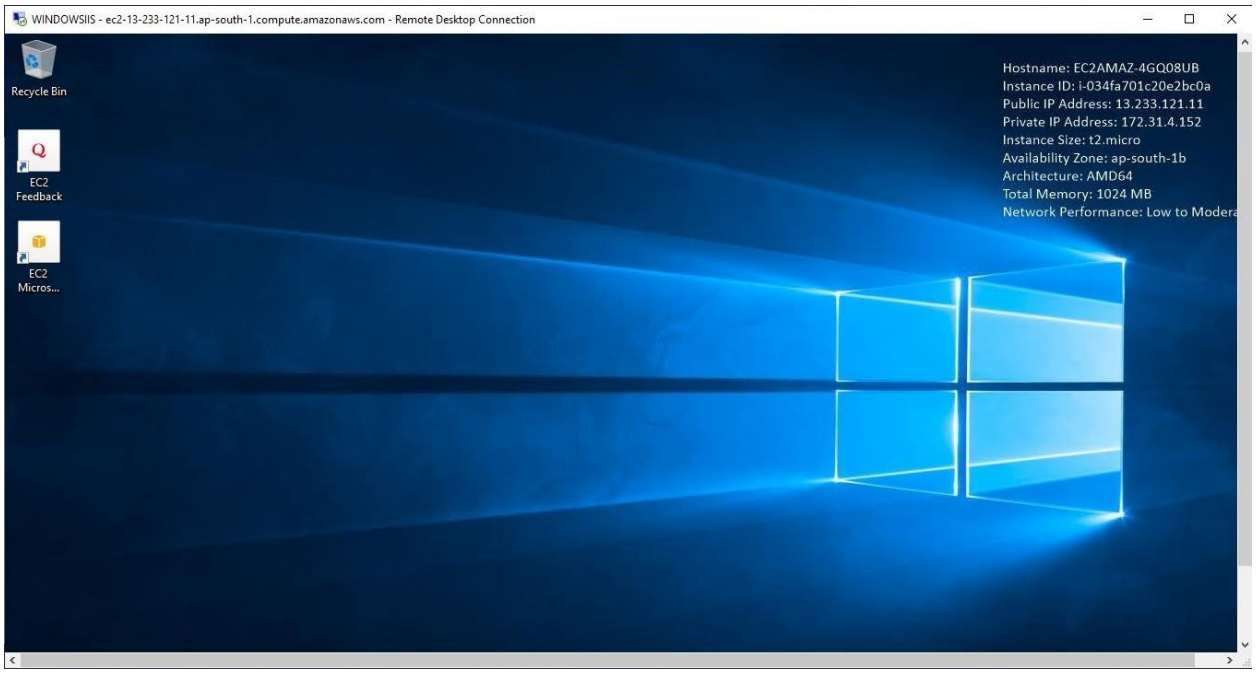
For online documentation and support please refer to nginx.org.
Commercial support is available at nginx.com.

Thank you for using nginx.

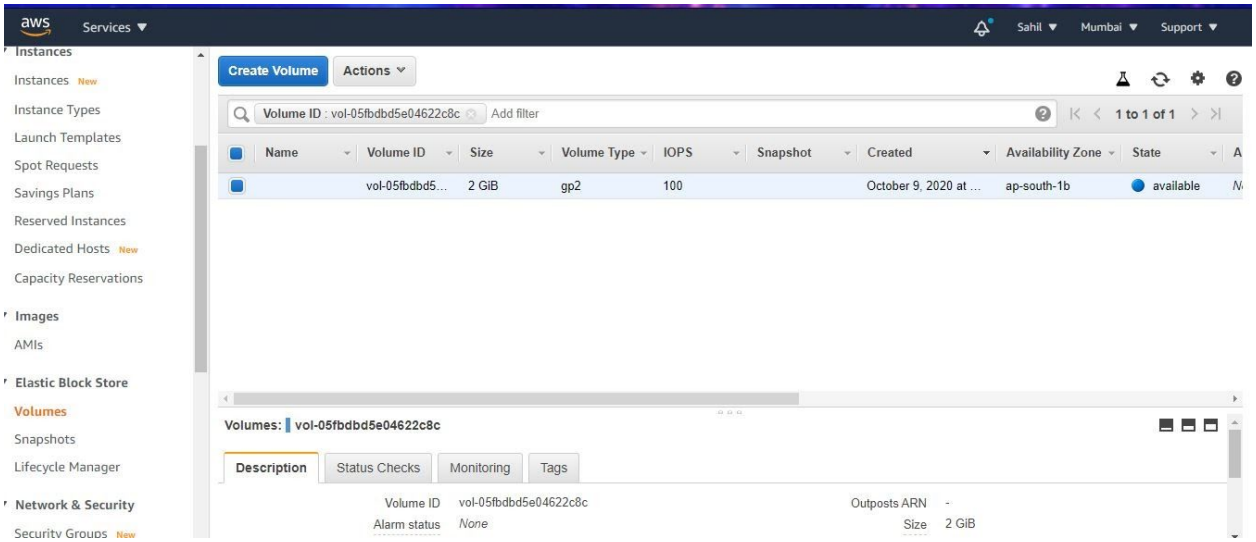
PROJECT 3: Working with volumes

1.Using the same Windows instance created for Project 1

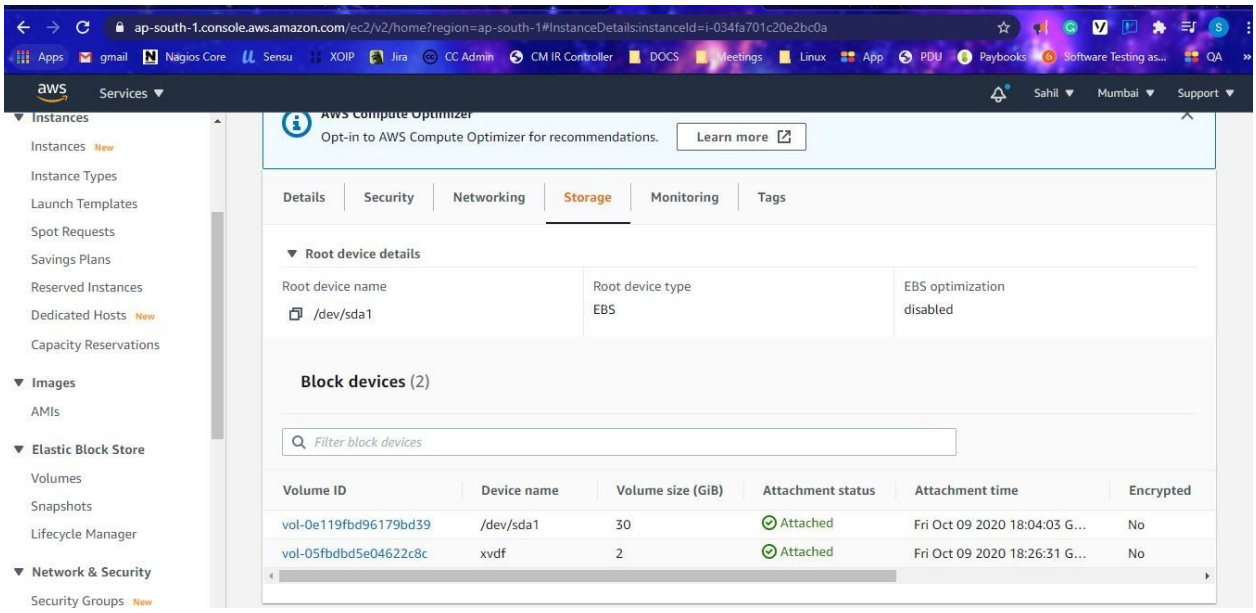




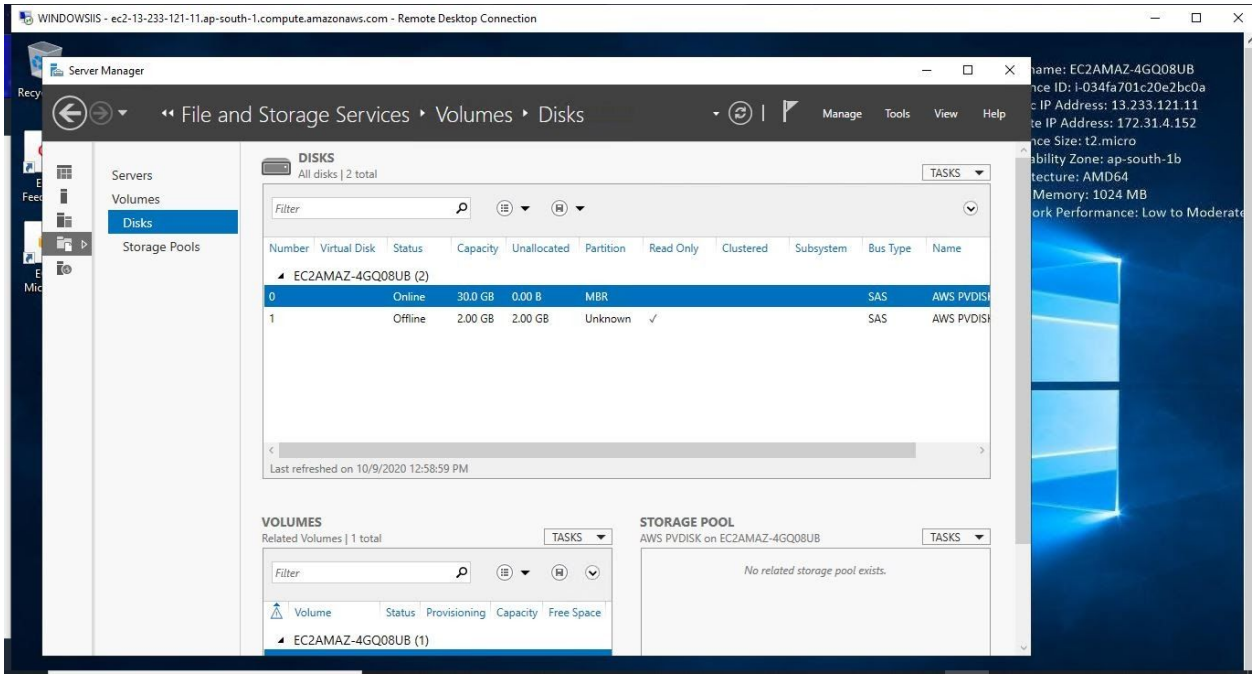
2. Created a new EBS volume



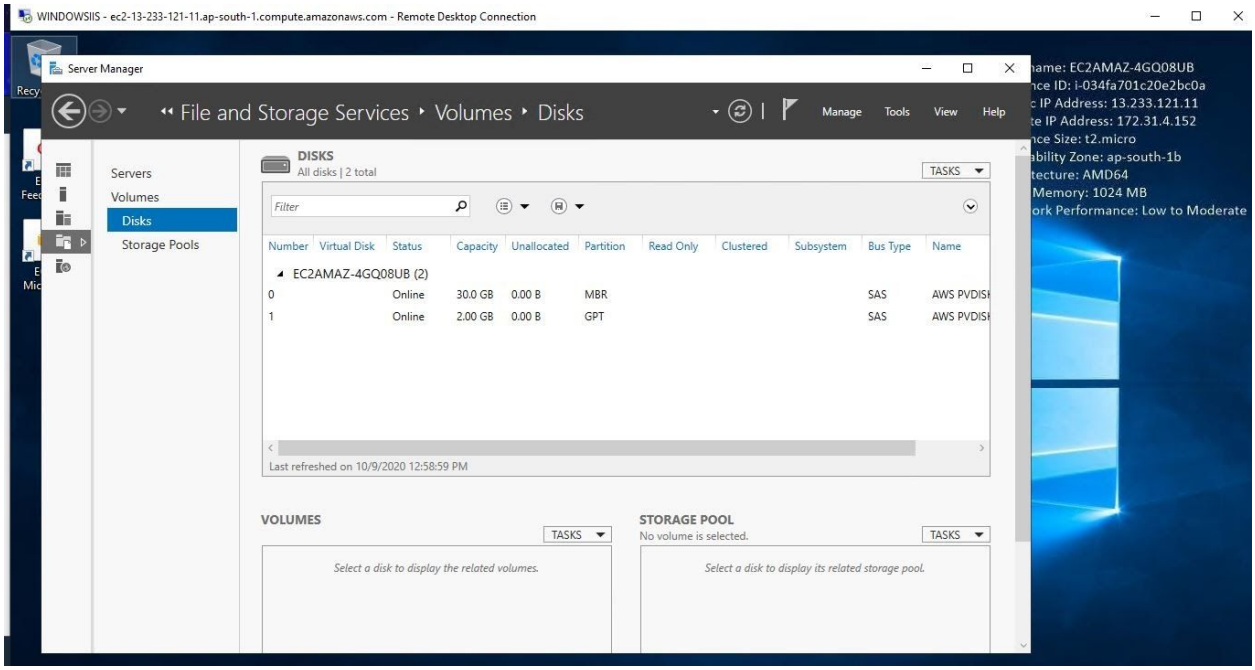
3. Attached the EBS volume to an existing Windows Instance



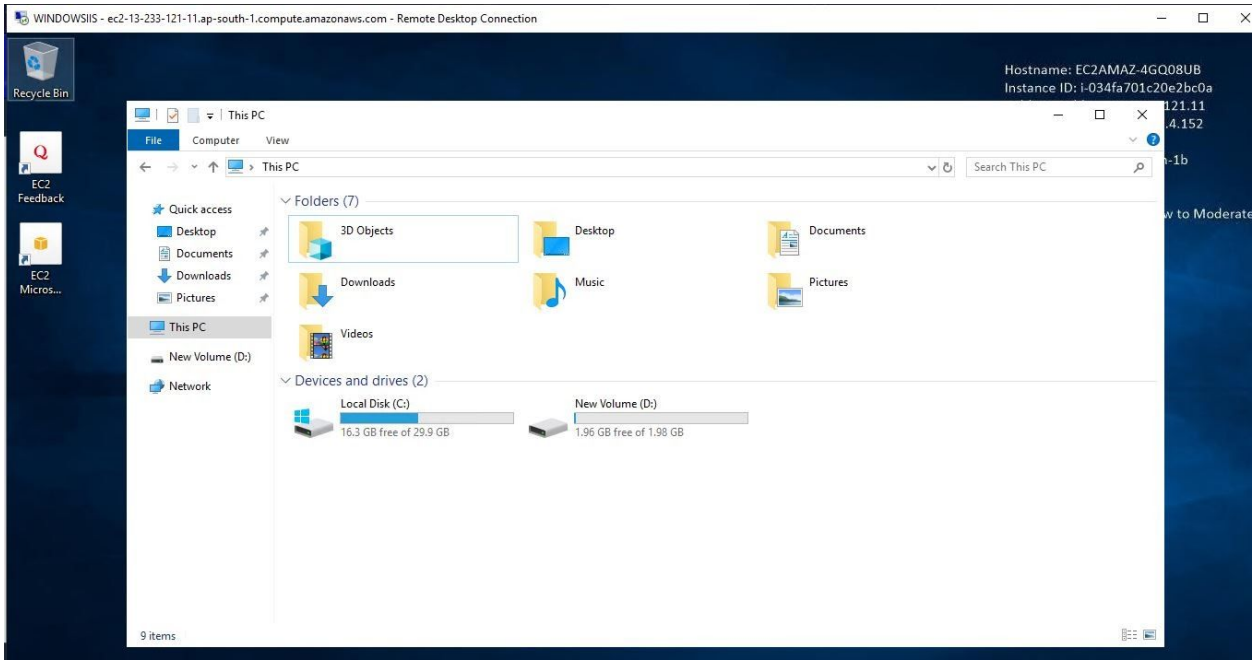
4. Connected to the Windows instance using RDP and was able to see the attached volume through Server Manager



5. Brought that volume online

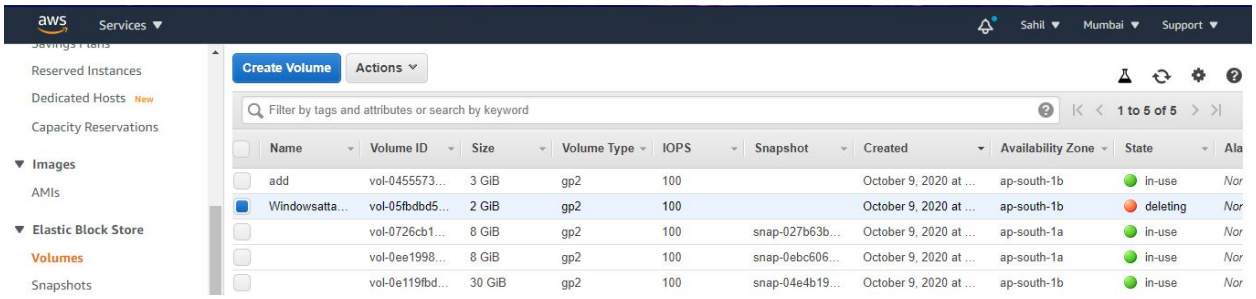


6. **Added that volume ad D partition to the instance and verified using the file explorer**



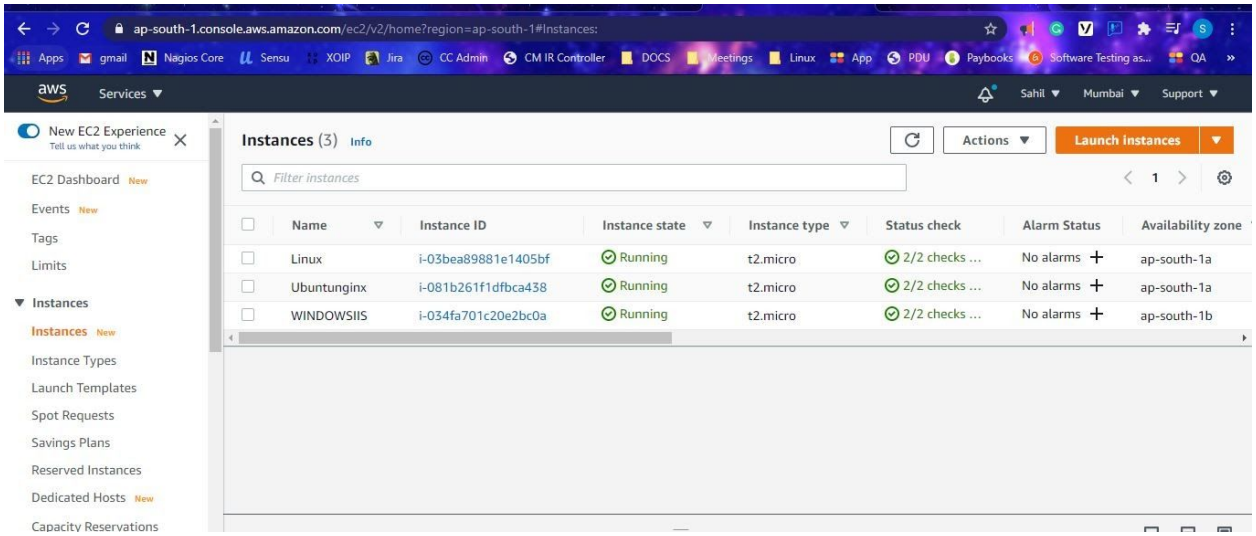
7. **Tried Modifying the volume, the request was submitted successfully a message displayed that it will take some time to reflect the modifications.**

8. **To delete the volume needed to detach the volume from the instance and then was able to delete**

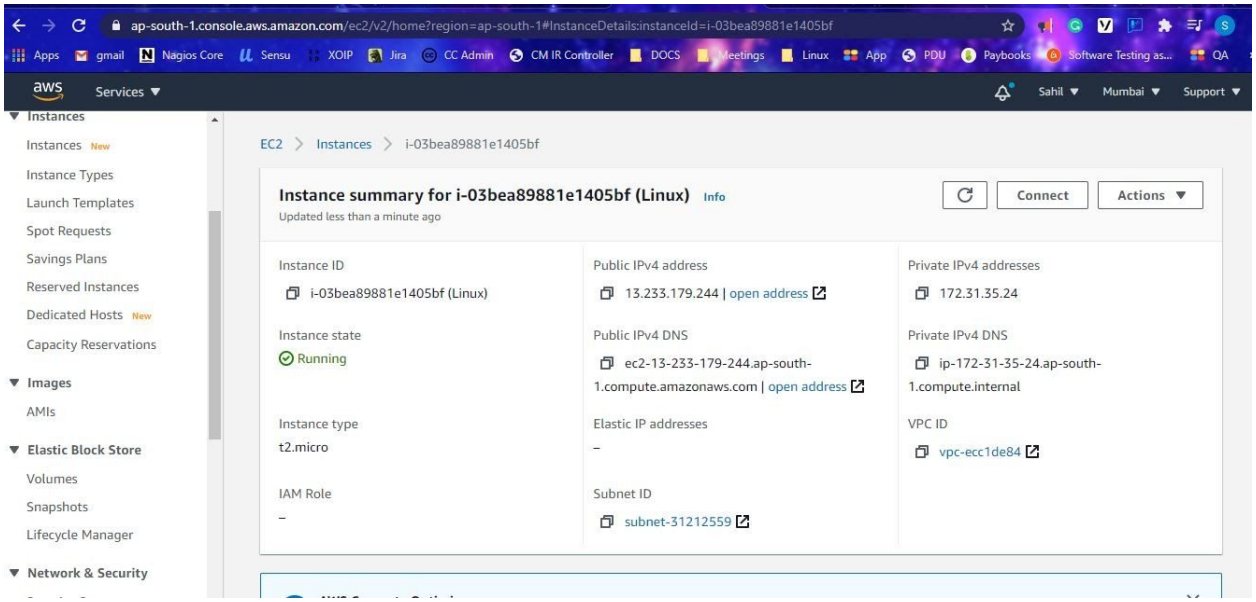


PROJECT 4: Working with Elastic IP's

1. Created a Linux Instance



2. Details of the Linux Instance



3. **Connected to the Linux Instance using EC2 Instance Connect and installed the apache web server using the commands:**

Switch to the root user *sudo su*

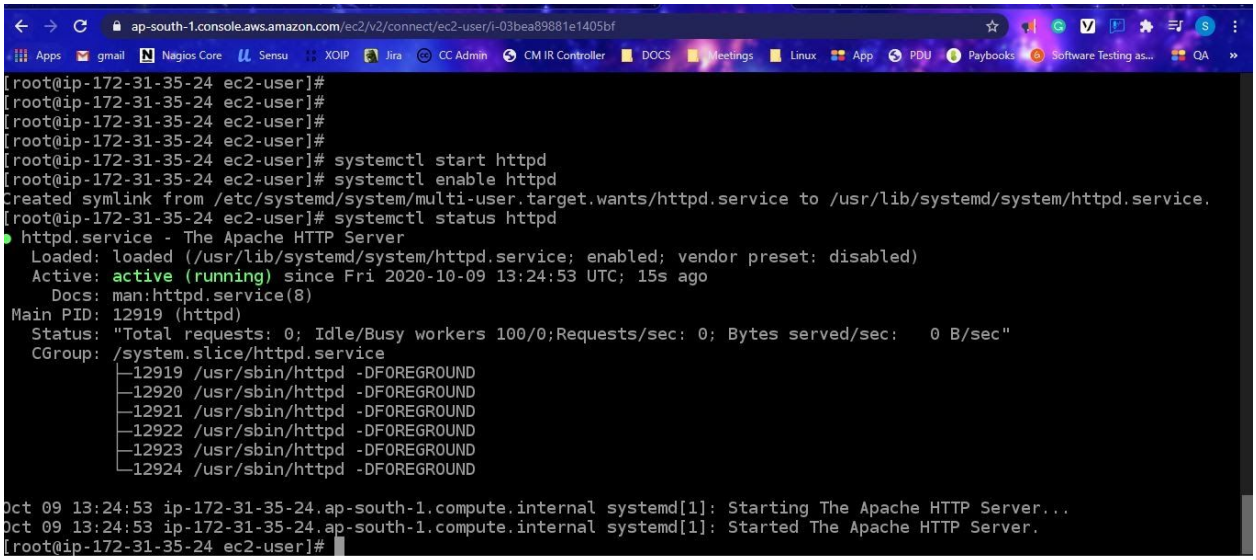
Now run the updates using the following command: *yum -y update*

Install the Apache webserver: *yum install httpd* When prompted, press "Y" to confirm.

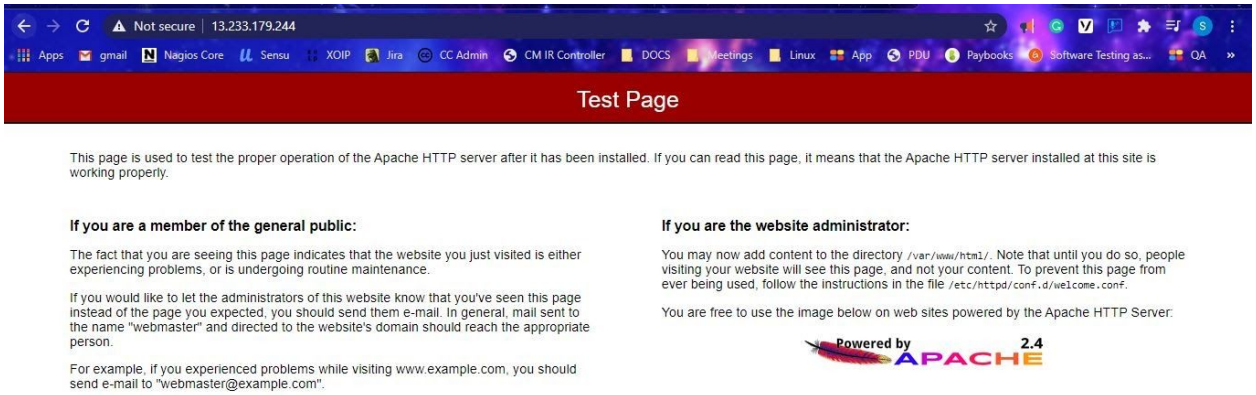
Start the webserver *systemctl start httpd*

Now enable httpd: *systemctl enable httpd*

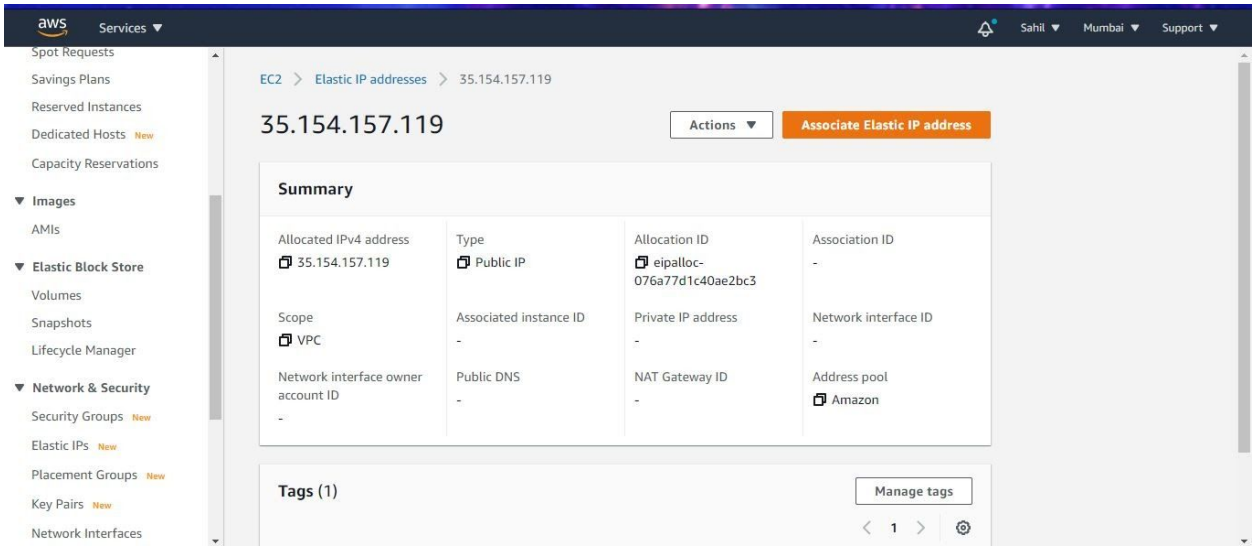
Check the web server status *systemctl status httpd*



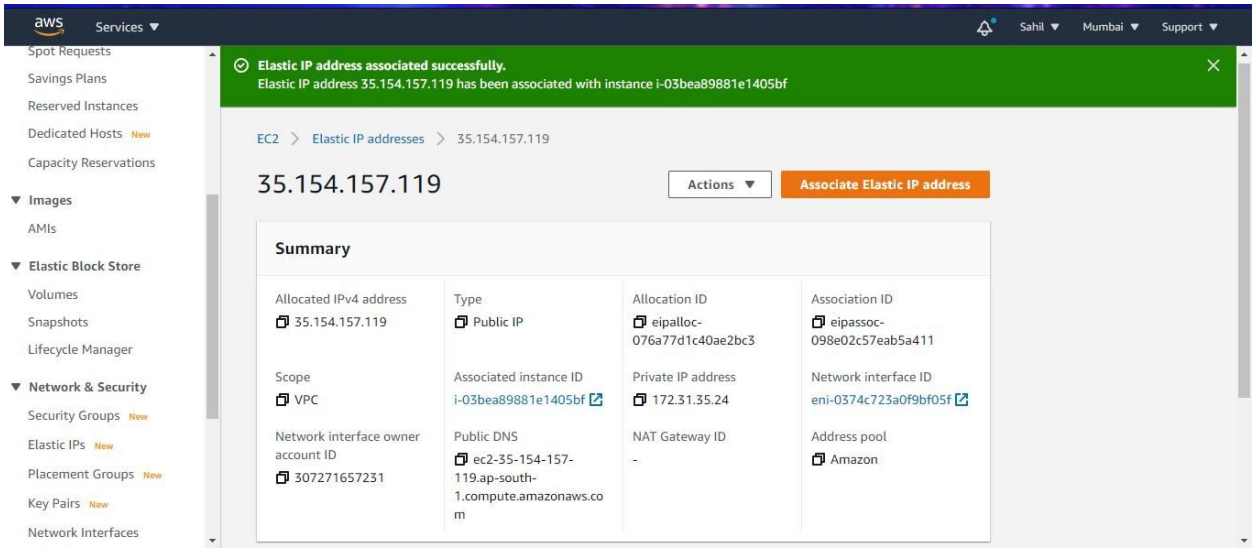
4. Accessed the webserver through the Public IP of the Linux Instance



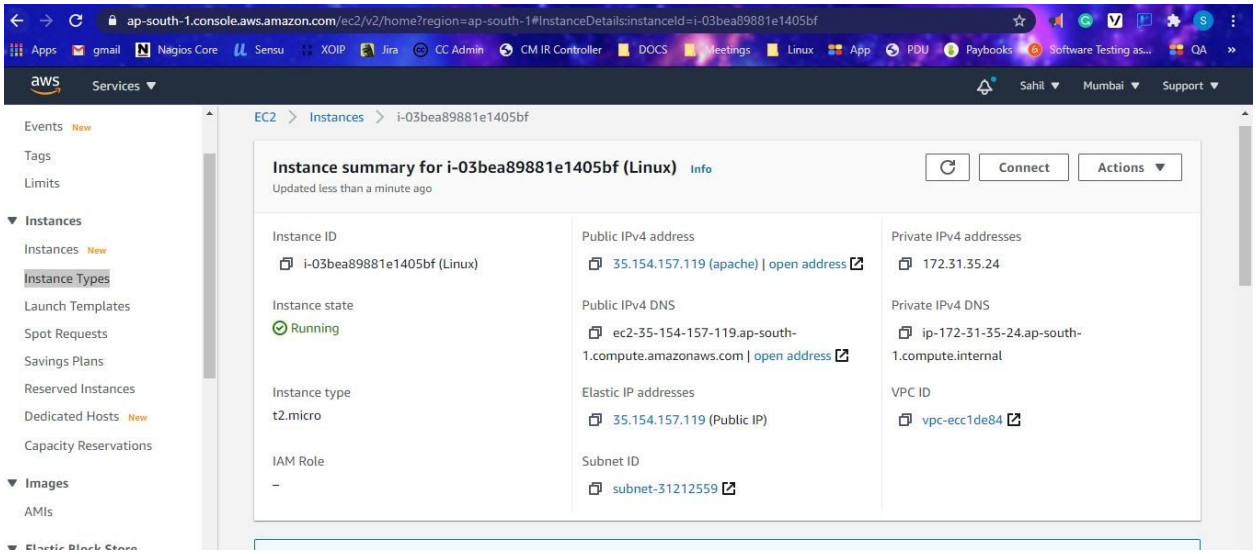
5. Allocated an Elastic IP address for my account



6. **Associated that Elastic IP to and existing above Linux Instance**

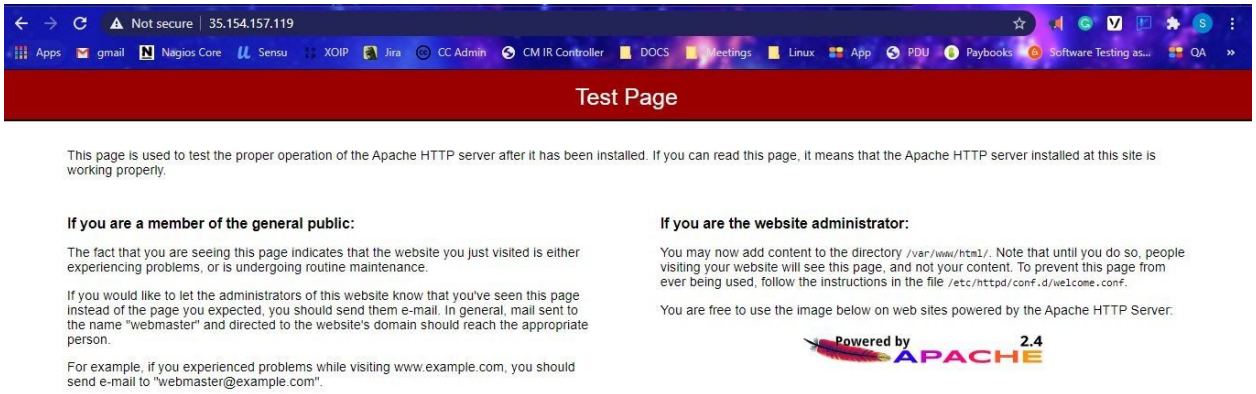


7. **Verified the Elastic IP being allocated to the Instance**



8. **Accessed the Apache webserver using the new Associated Elastic IP**

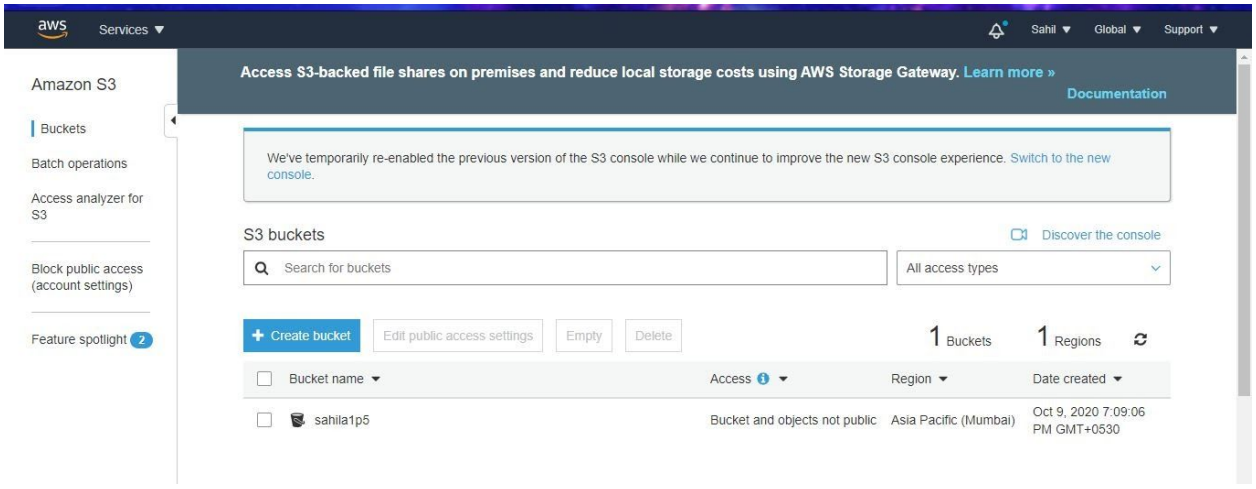
http://35.154.157.119/



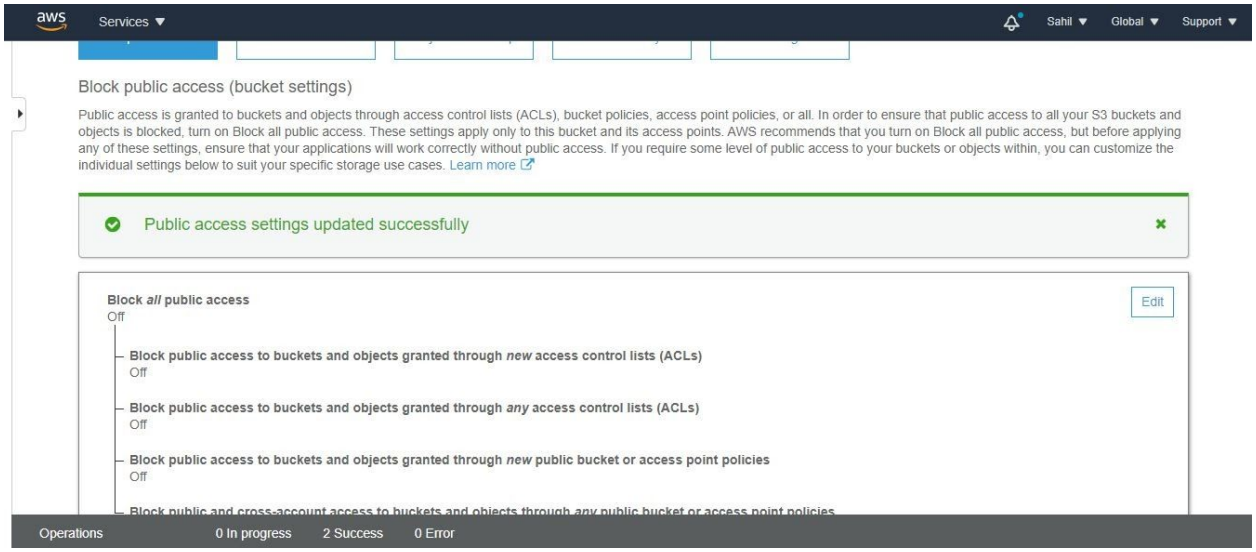
PROJECT 5: Working with S3

A.working with S3-.jpg

1. **Created an S3 bucket**

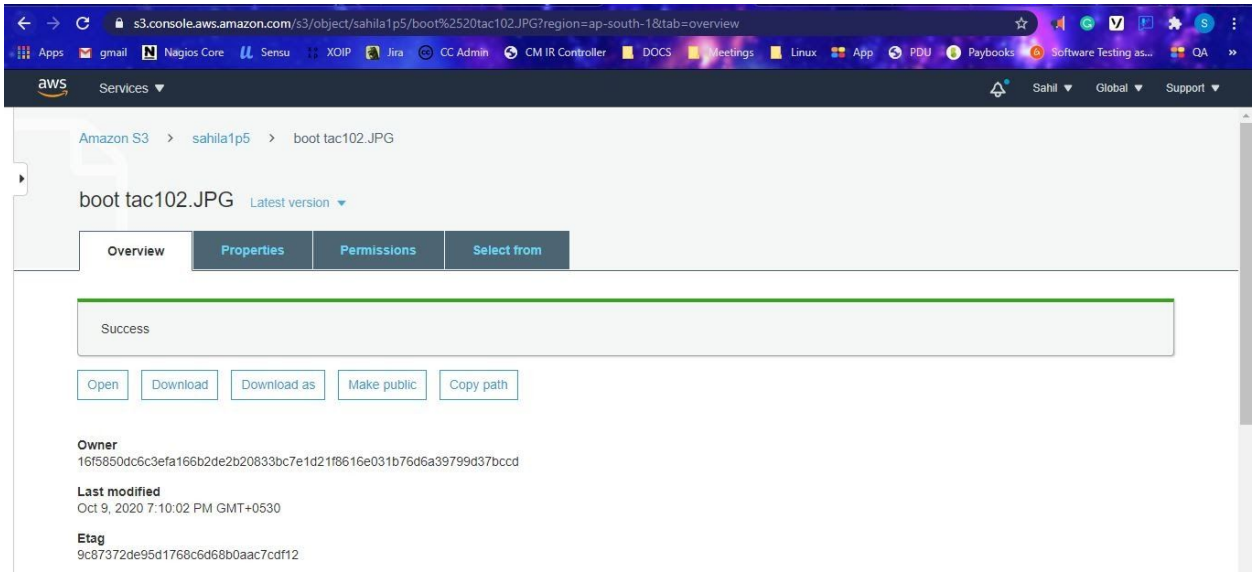


2. Made the S3 bucket public



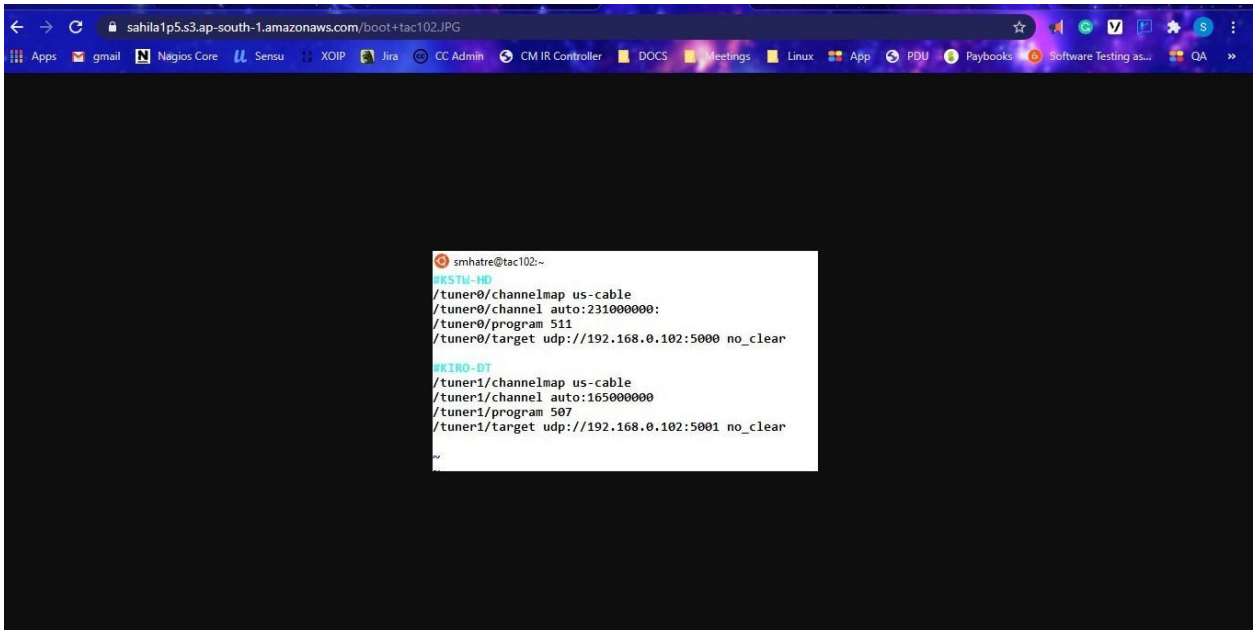
3. Added a jpg file to the S3 bucket but was not abe to view it

4. **Changed the file to the public since it was private by default.**



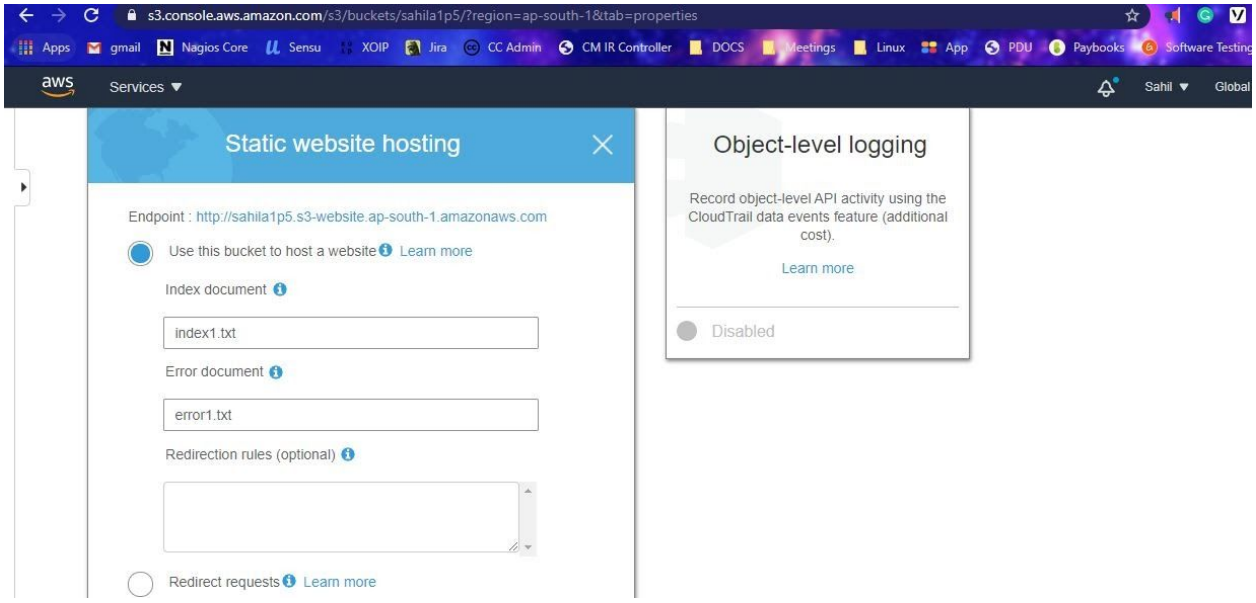
5. **Was able to access the file now**

https://sahila1p5.s3.ap-south-1.amazonaws.com/boot+tac102.JPG

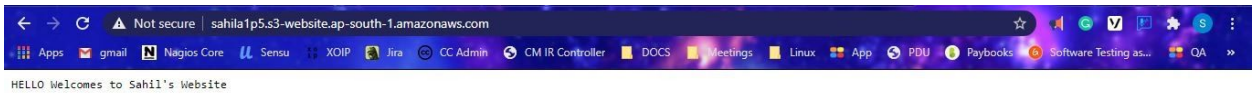


b.static web hosting

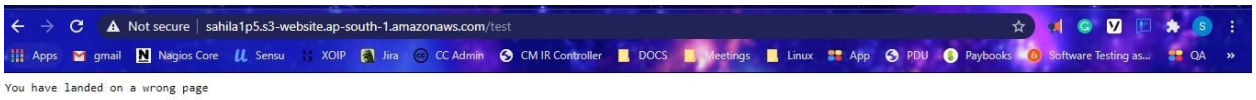
1. **Went to the S3 Bucket > Properties and added the index and error files to the bucket and also added in the fields.**
   Made sure that these two files are made public.



2. **Was able to access the static website using**
http://sahila1p5.s3-website.ap-south-1.amazonaws.com/



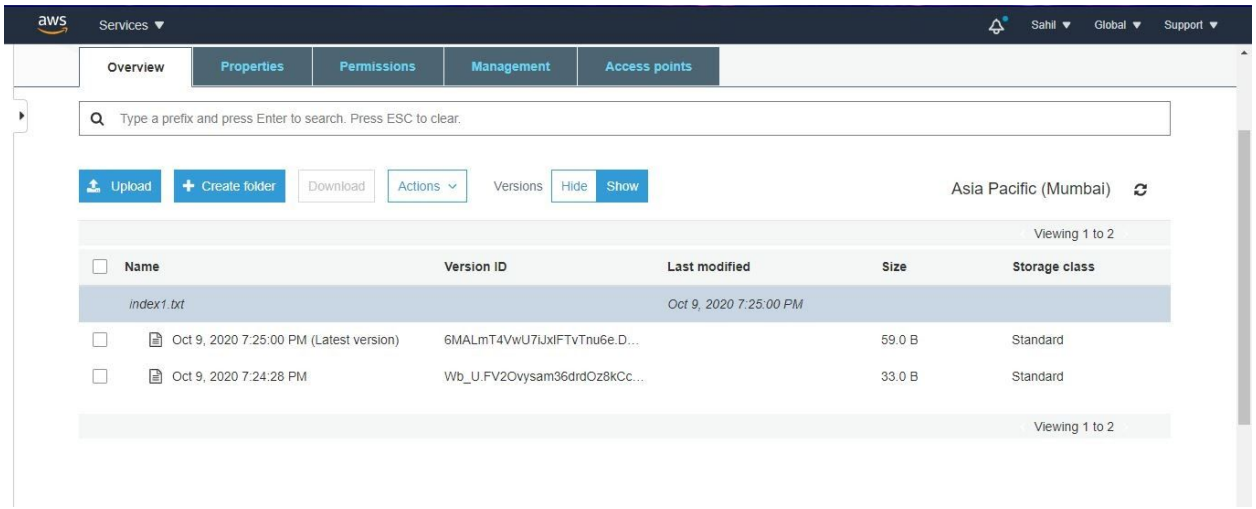
3. **Was able to access the error using**
http://sahila1p5.s3-website.ap-south-1.amazonaws.com/error



c.Versioning

1. **Created a new S3 bucket and enabled Versioning**

Added multiple files of the same name and could see the versions.



QUESTION 1: Explain life cycle effects on instances:Stop,start,reboot,terminate-public IP,Private Ip,Applications installed.

	Public IP	Private IP	Application Installed
Stopped and Start	**Changed**	**Retained**	**Retained**
Reboot	**Retained**	**Retained**	**Retained**
Terminate	**Lost**	**Lost**	**Lost**