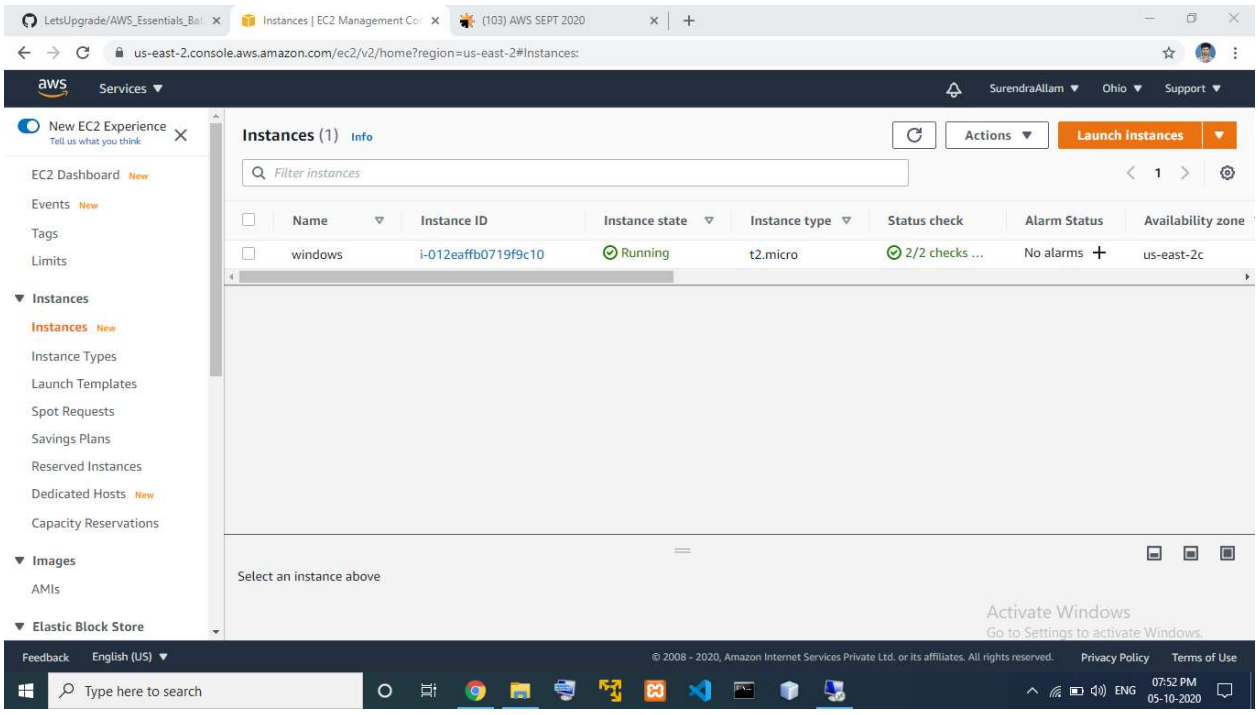
Advance AWS | Assignment Day 3 and 4

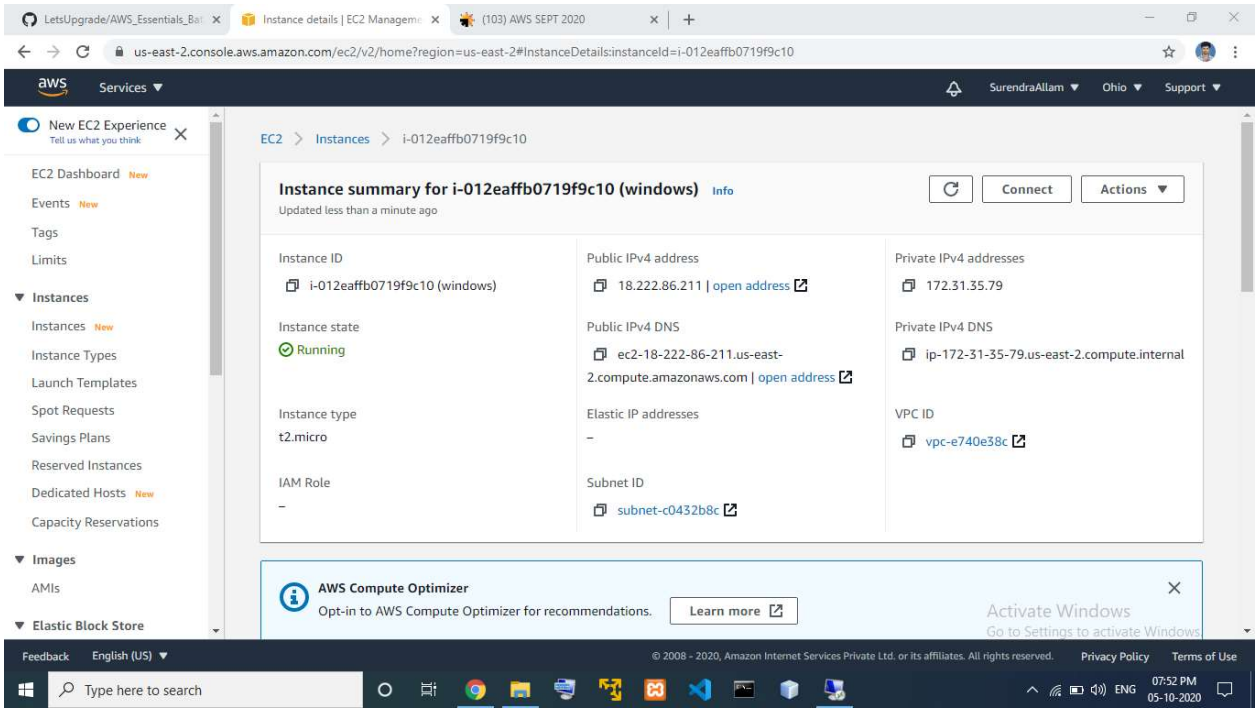
PROJECT 1:

Deploying a web server in Windows instance

Task 1: Create a windows instance using AMI: Windows 2012 R2 base



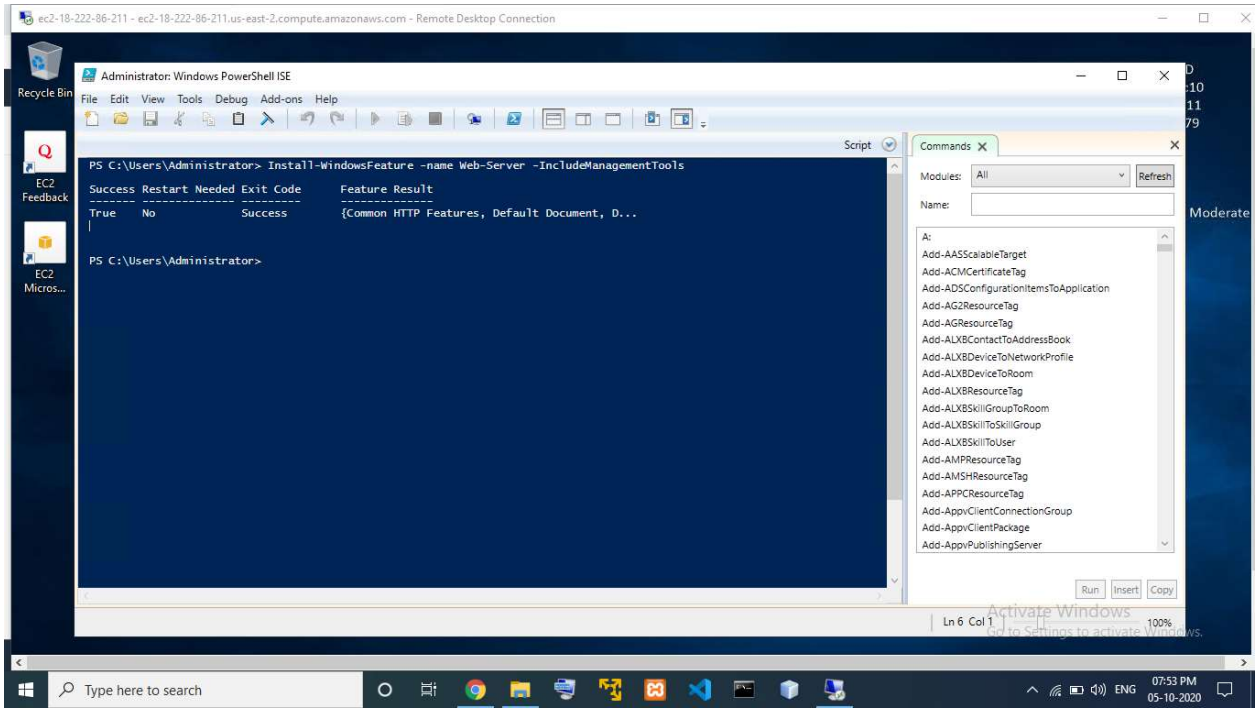
Task 2:Launch the Windows instance using RDP



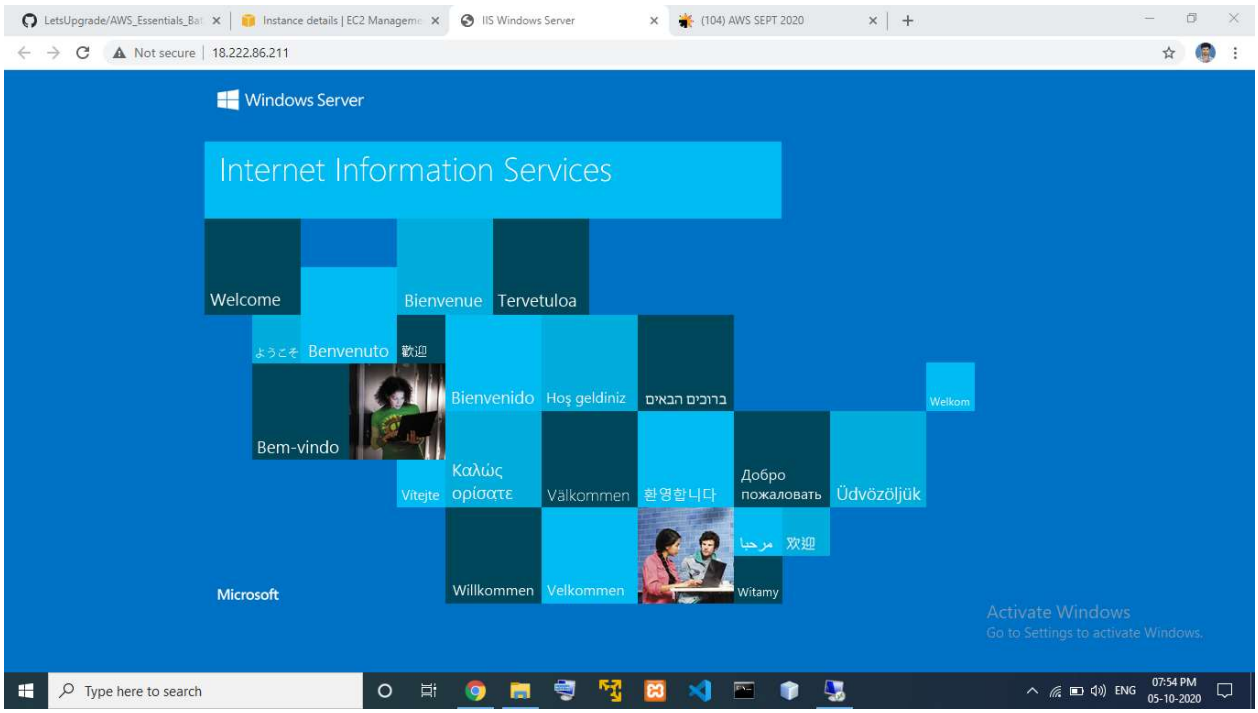
Task 3:Install IIS web server using Powershell ISE

cmd:

> Install-WindowsFeature -name Web-Server -IncludeManagementTools



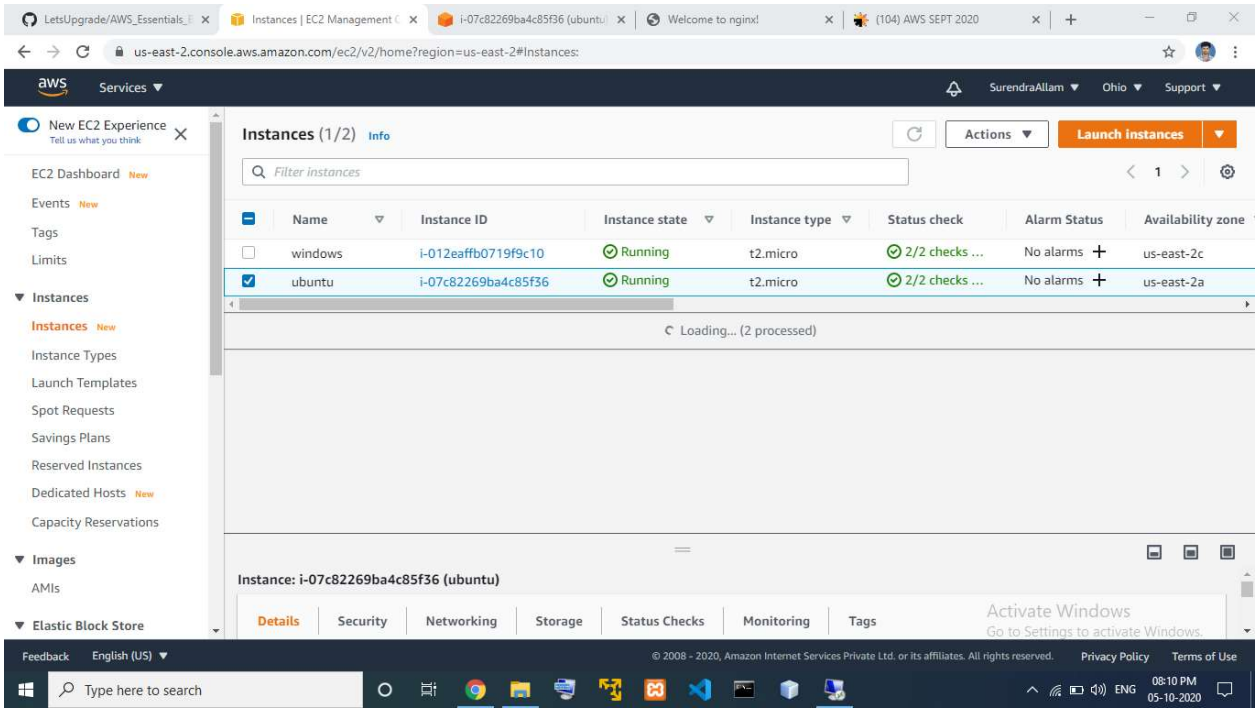
Task 4:Verify successful installation of IIS Web Server



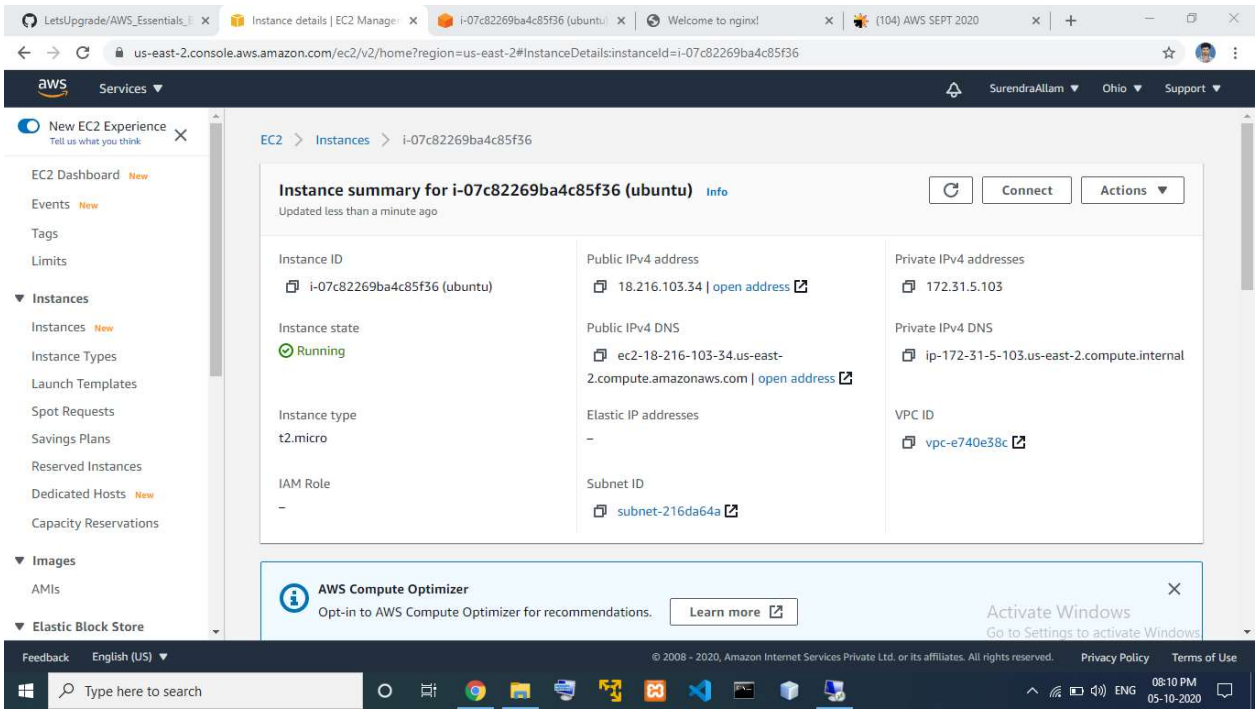
PROJECT 2:

Deploying a web server in Linux instance

Task 1:Create a windows instance using AMI: Ubuntu Server 18.04 LTS (HVM)



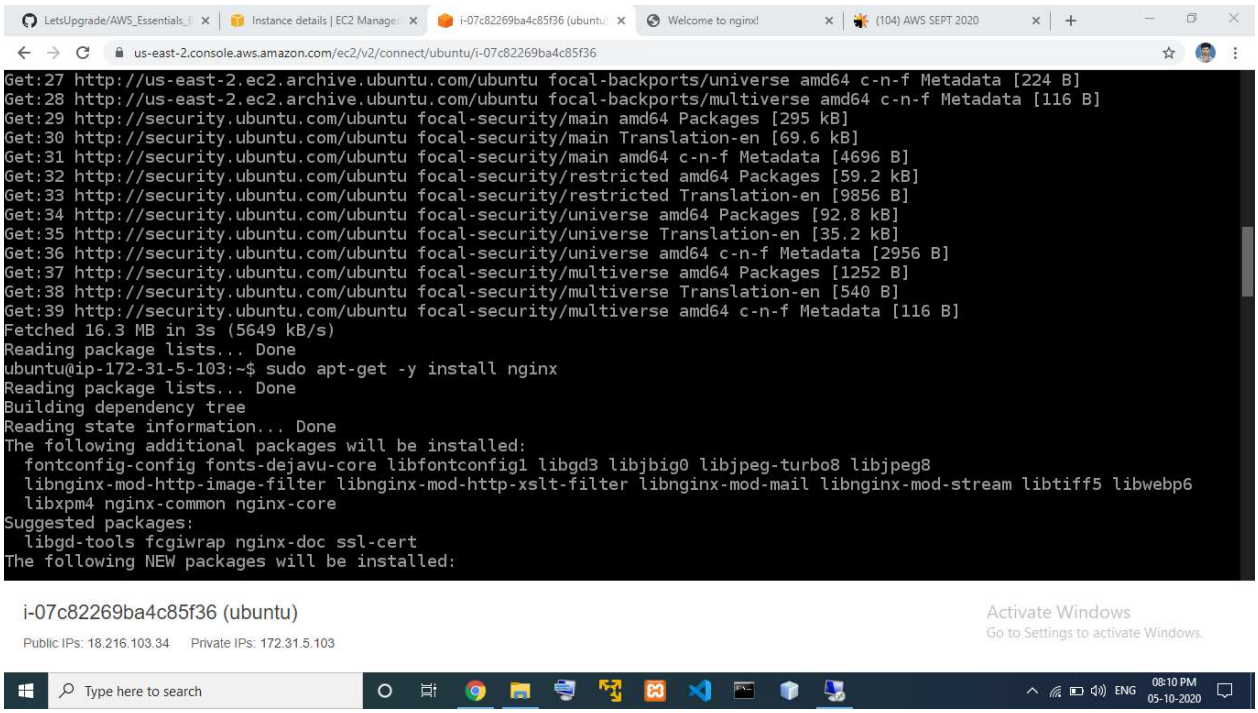
Task 2:Launch the Ubuntu instance using SSH



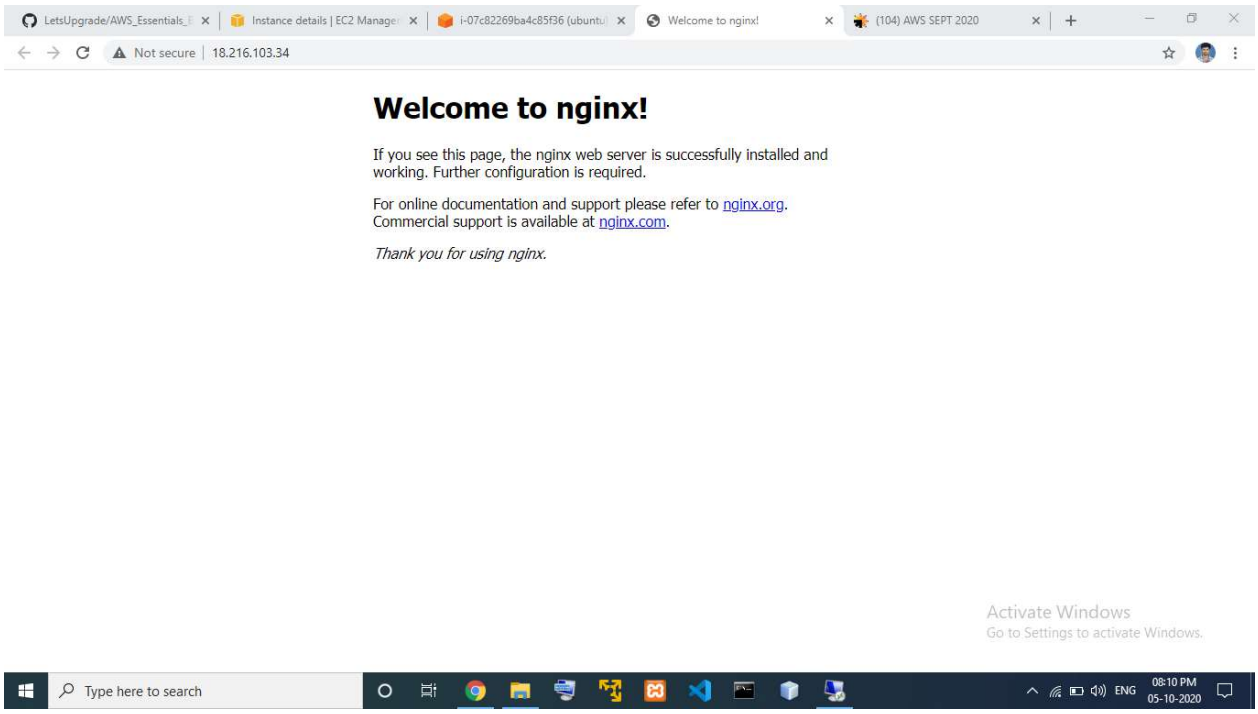
Task 3:Install Nginx web server using bash

Cmd:

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



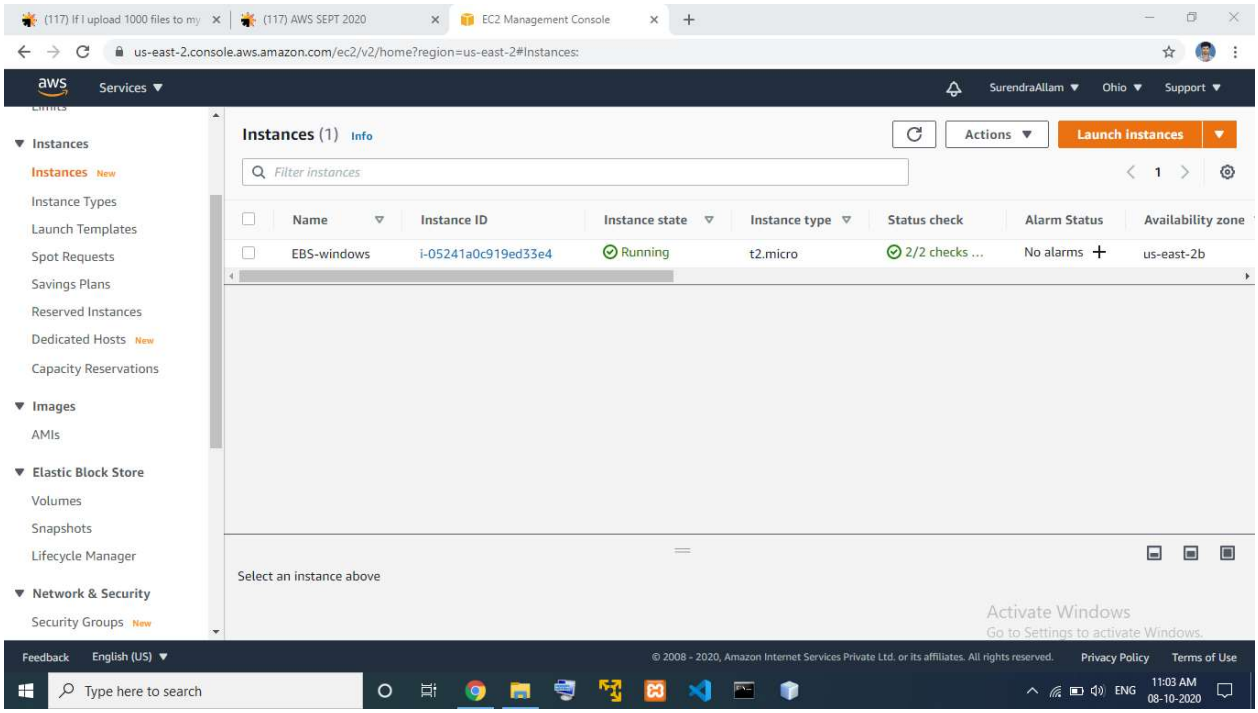
Task 4:Verify successful installation of nginx



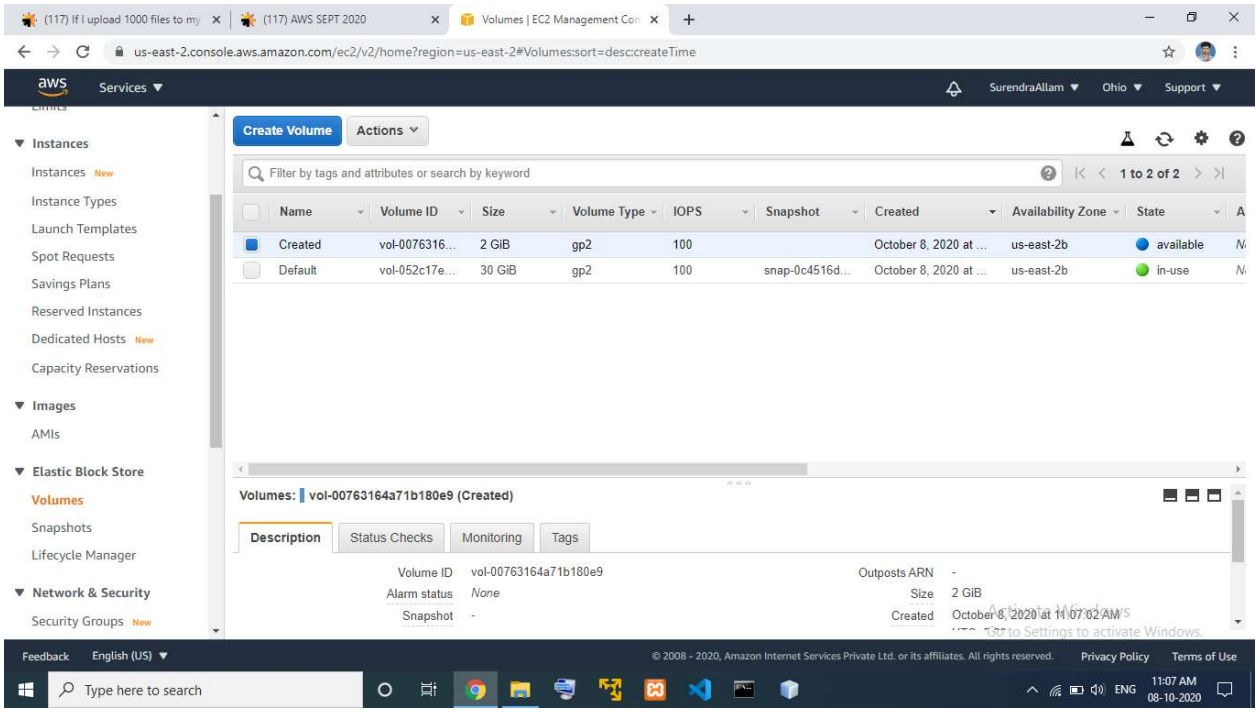
PROJECT 3:

Working with volumes

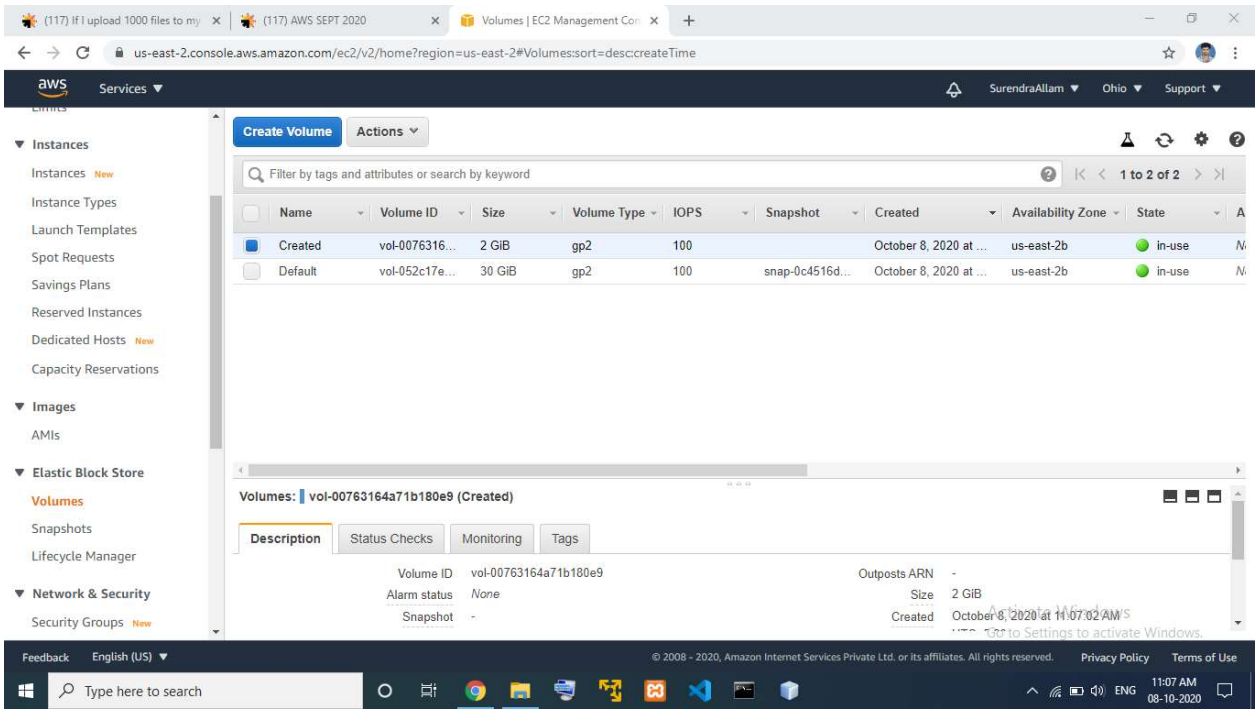
1:Create a windows machine



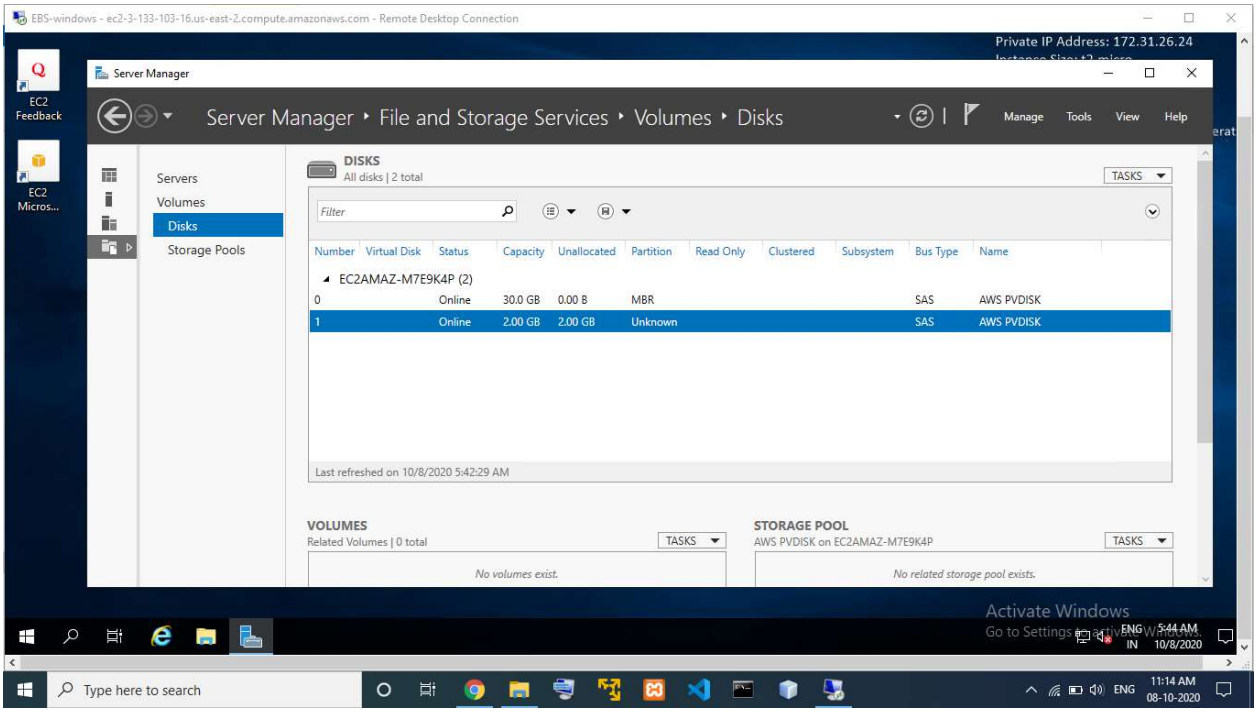
2:Create a volume in the same region as the windows machine



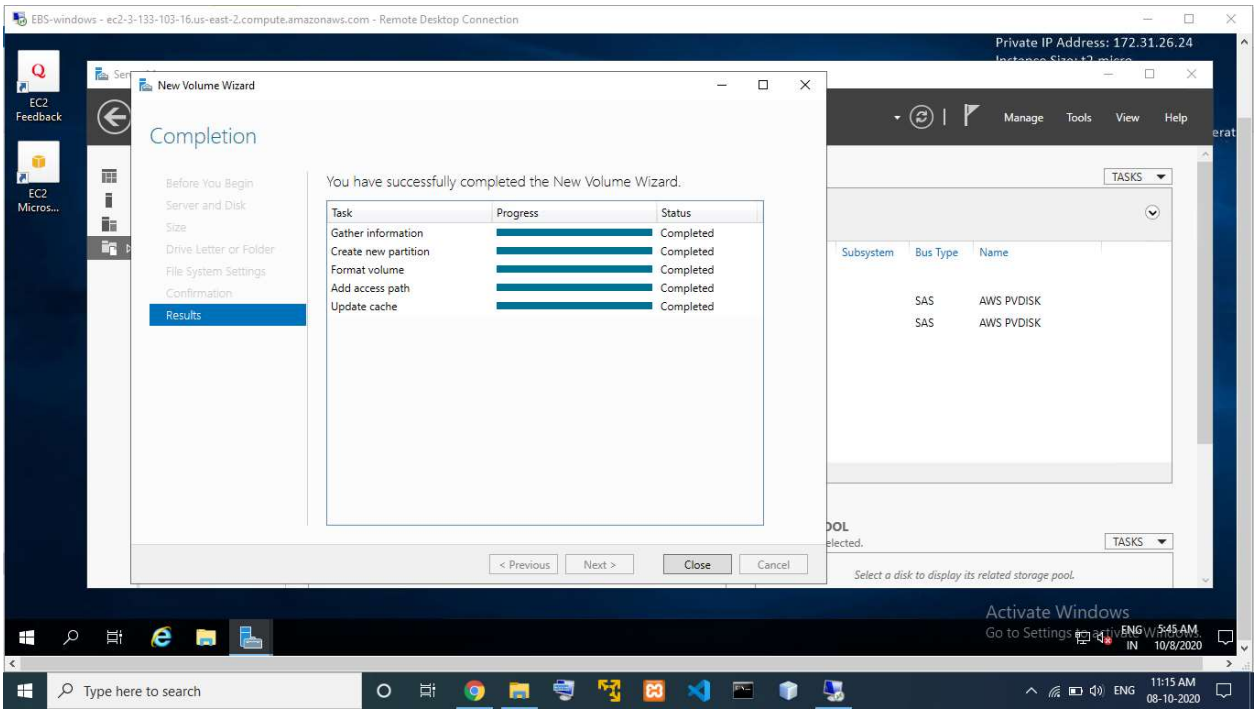
3:Attach the volume to the windows machine



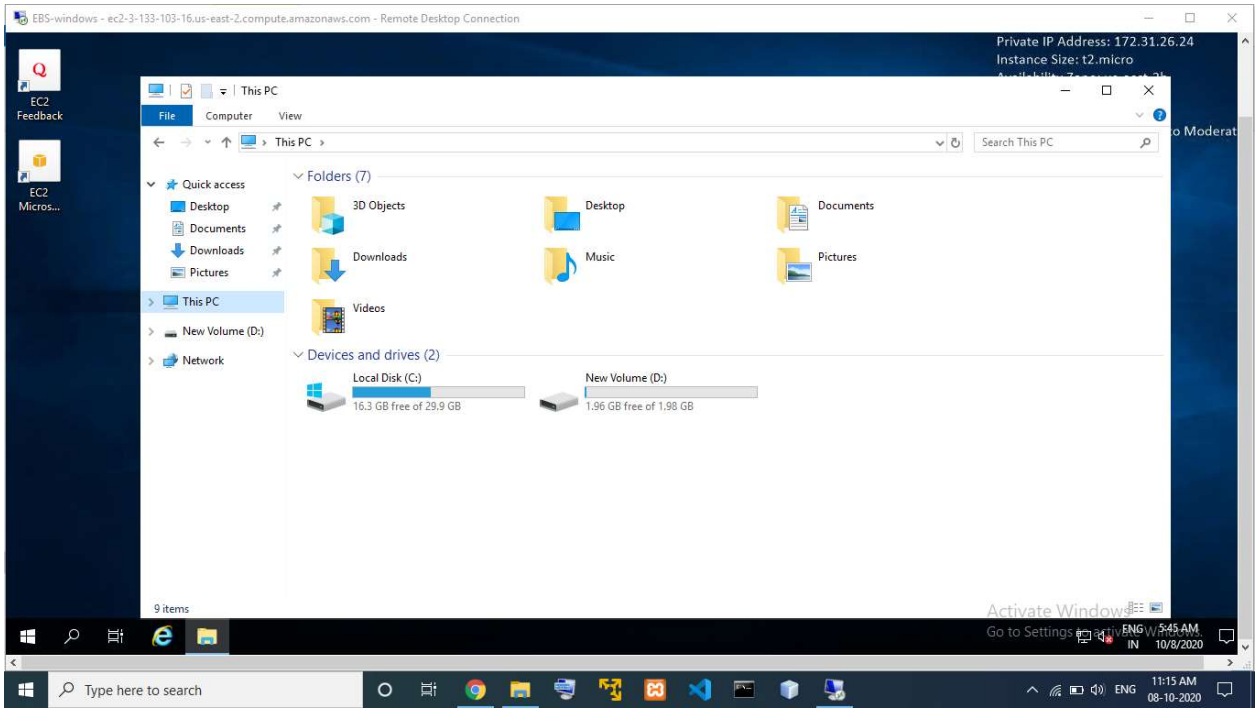
4:From server manager bring the volume online



5:Once the ebs is online create a new volume

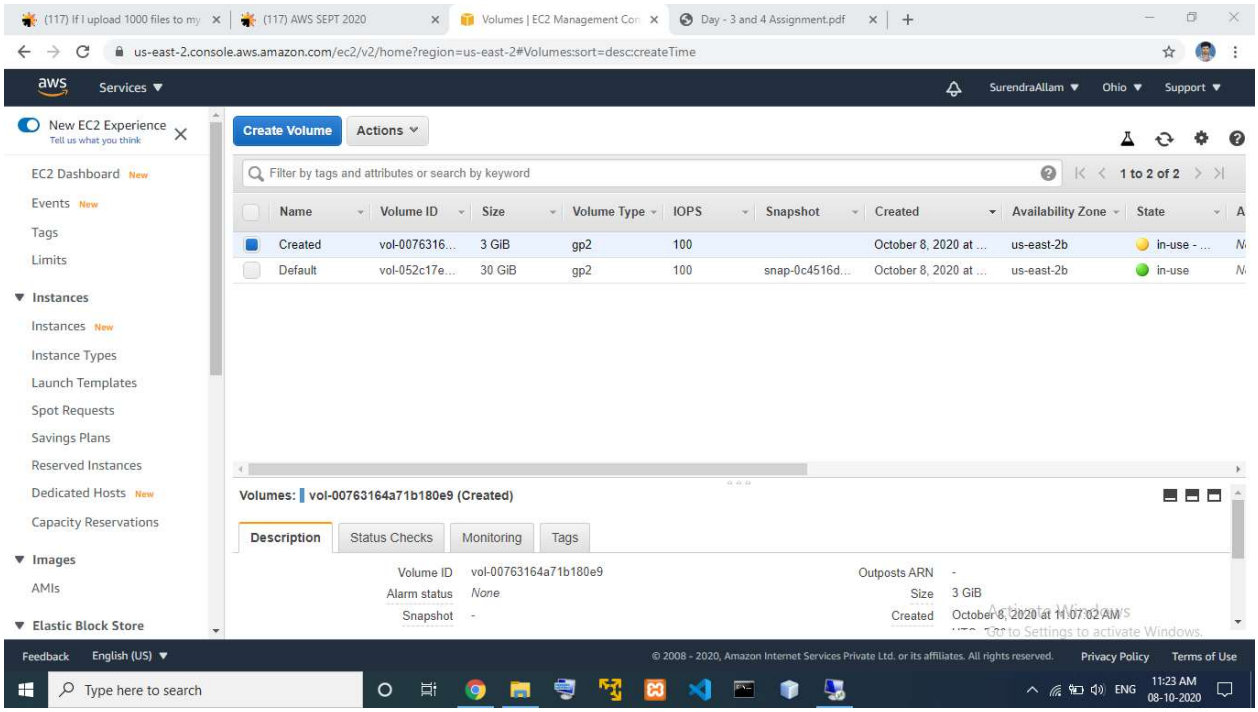


6:Check if the volume is mounted successfully

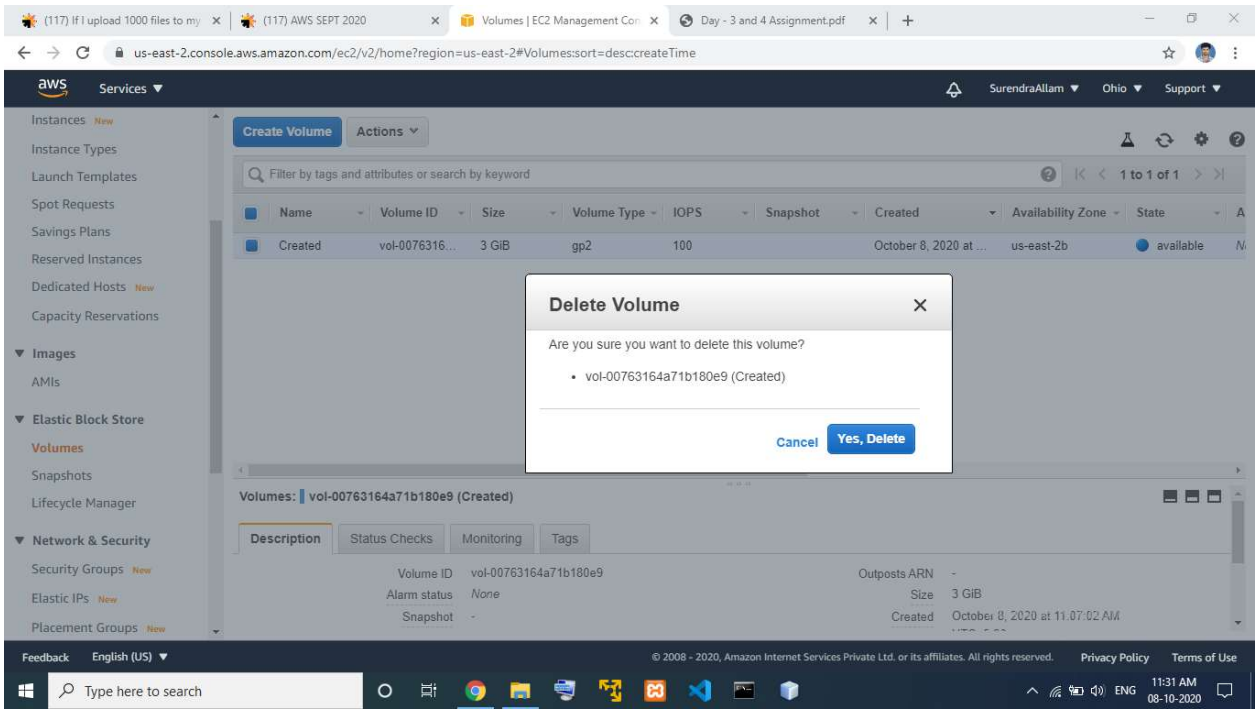


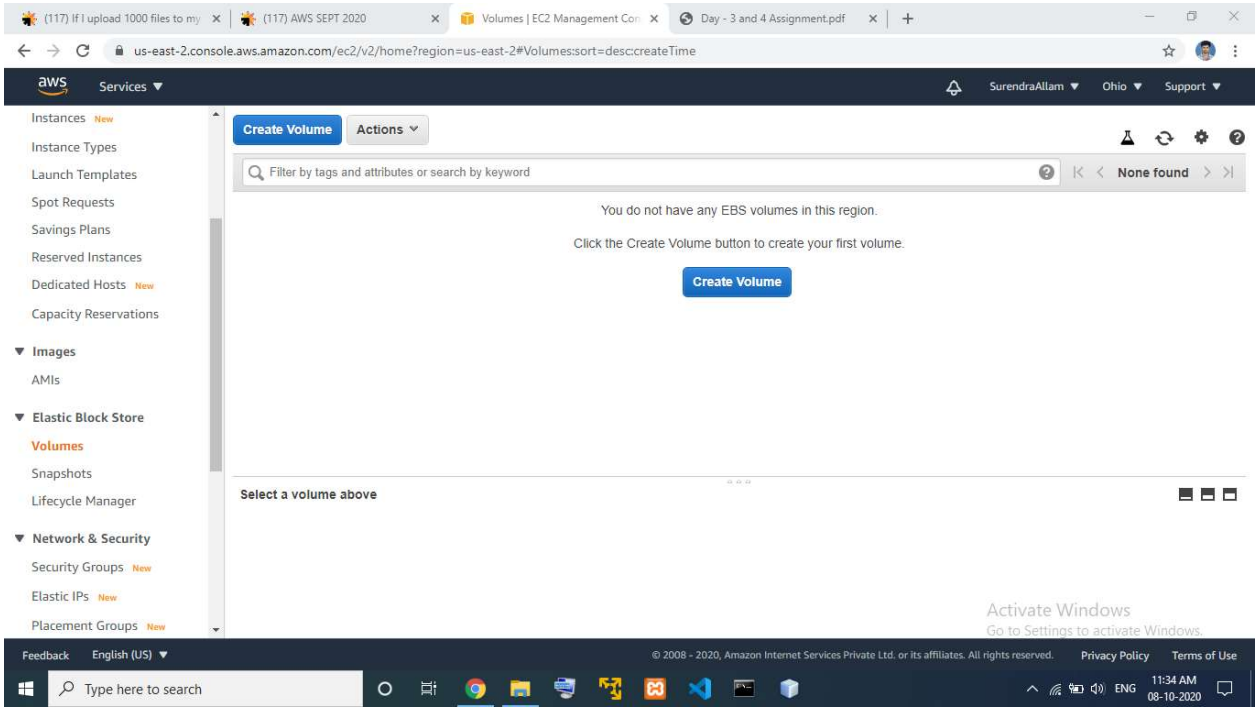
7:Try modifying the volume config

Modifying the volume 2GB to 3GB



8:Delete the volume



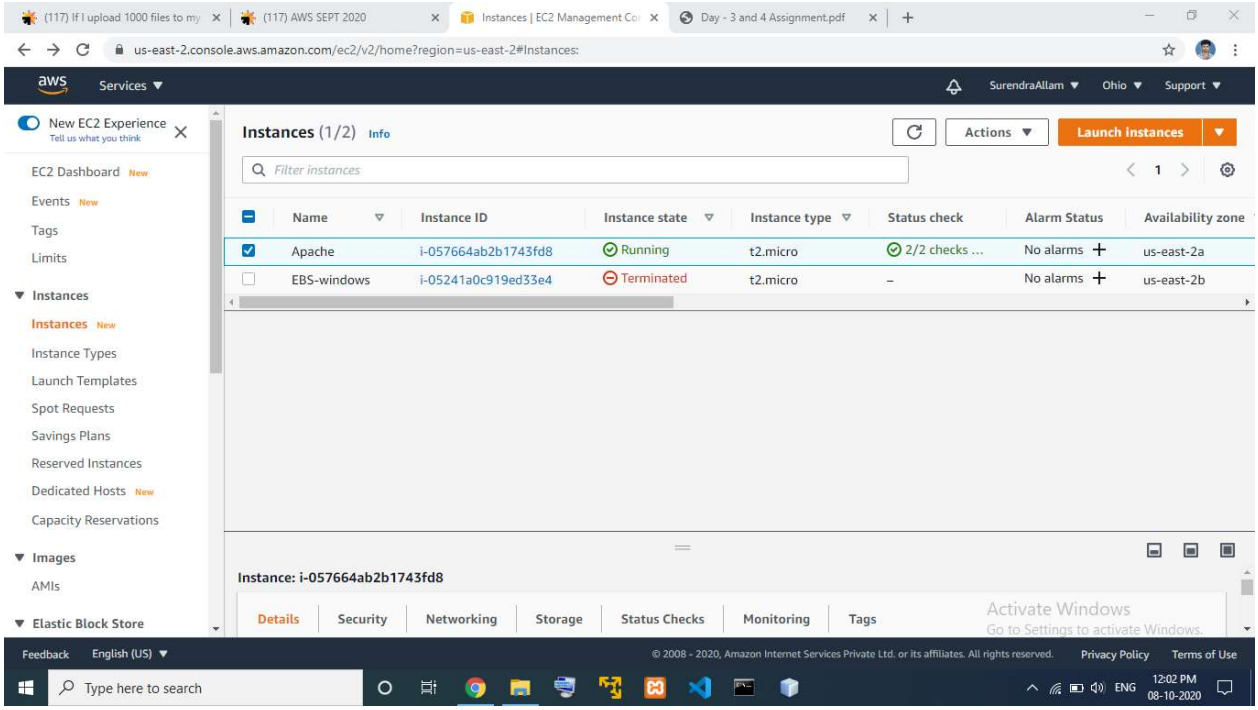


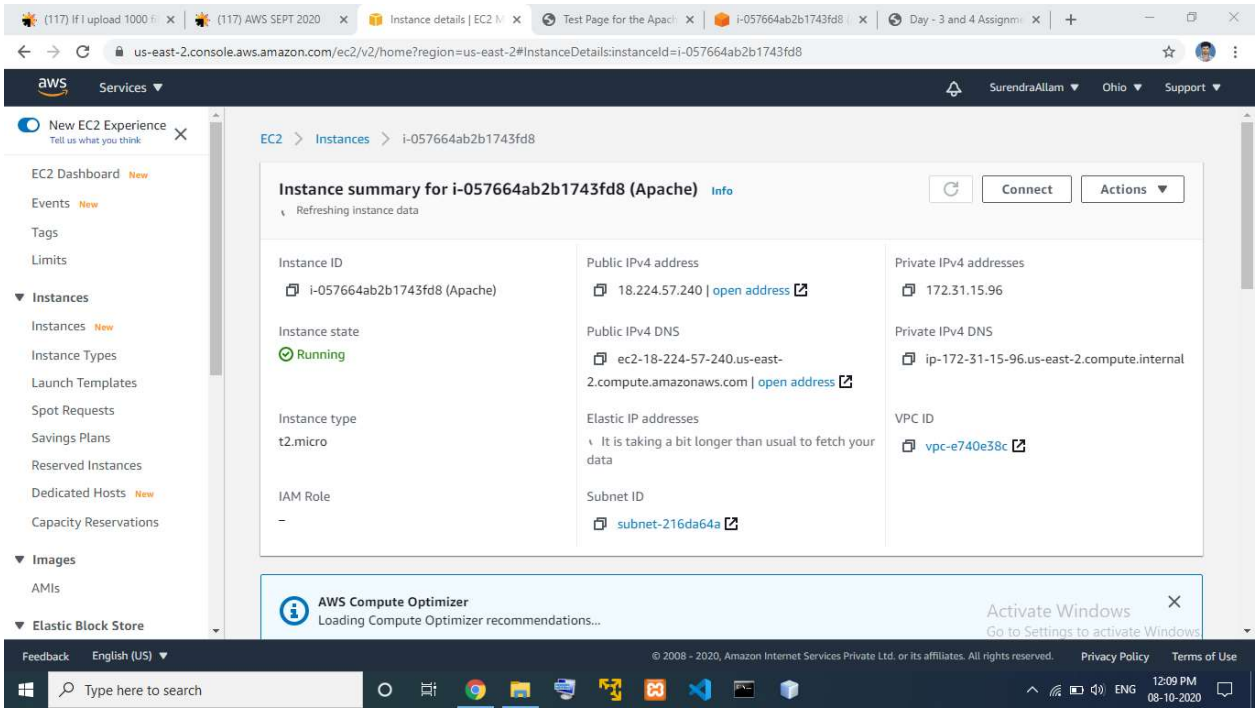
PROJECT 4:

Working with Elastic IP's

Task1:Creating a Linux instance

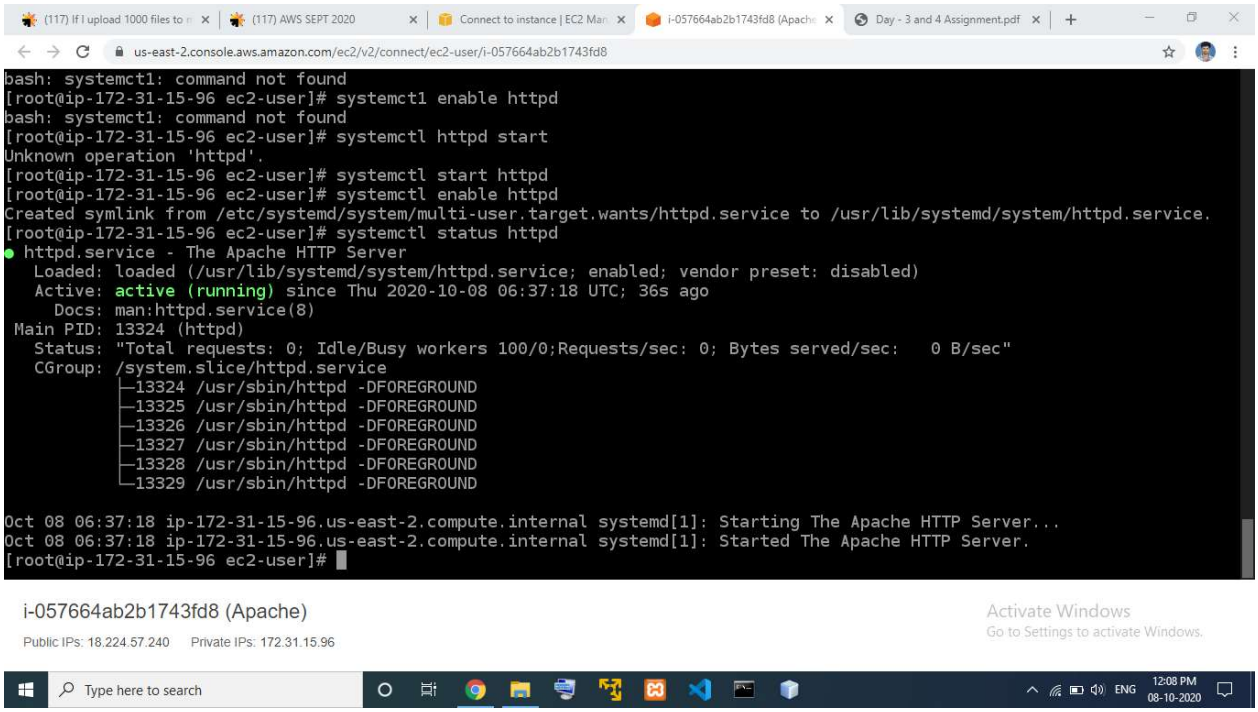
Instance name ‘Apache’



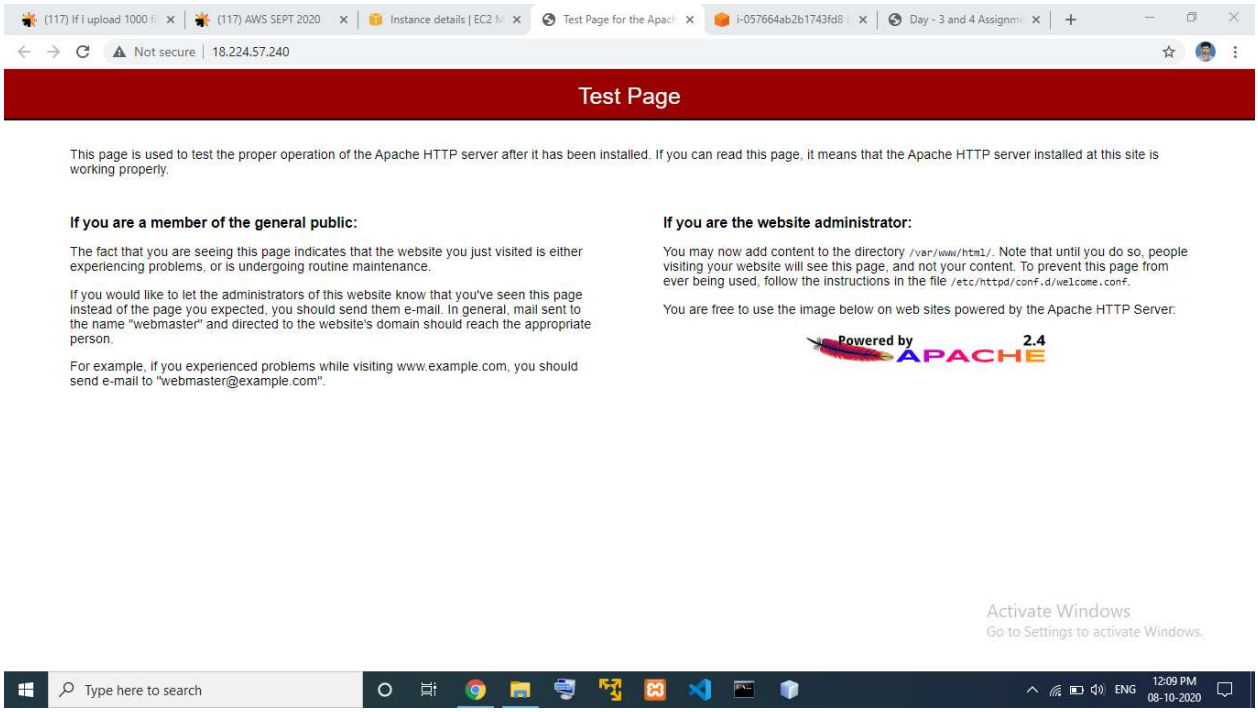


Task2: Launching a LINUX Instance and Install Apache server And active that server

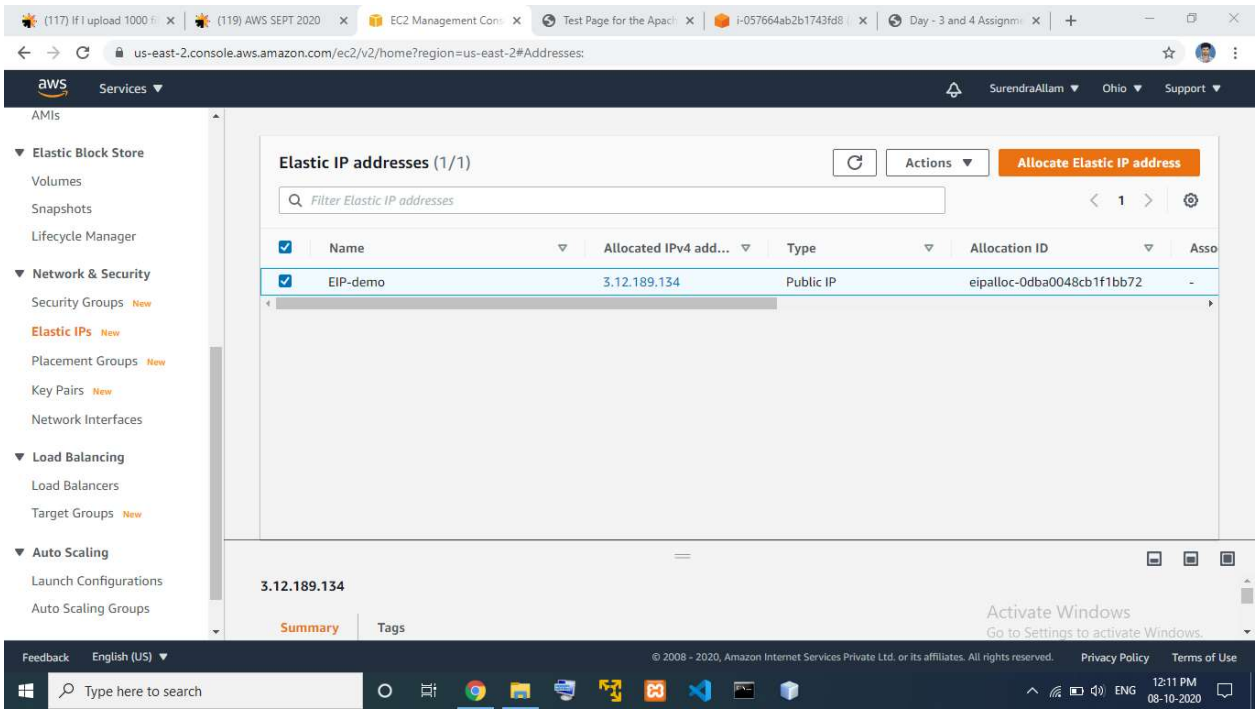
Install an Apache Server
Cmd:
sudo -s
yum -y update
yum install httpd
systemctl start httpd
systemctl enable httpd
systemctl status httpd

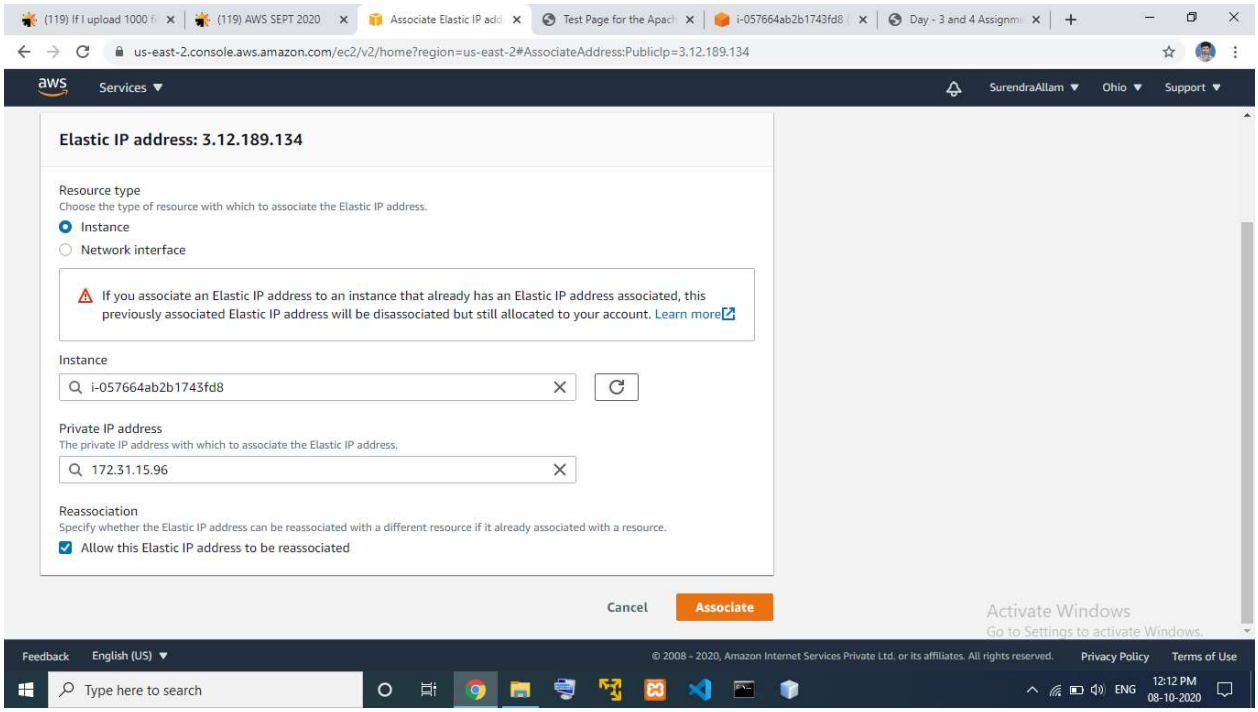


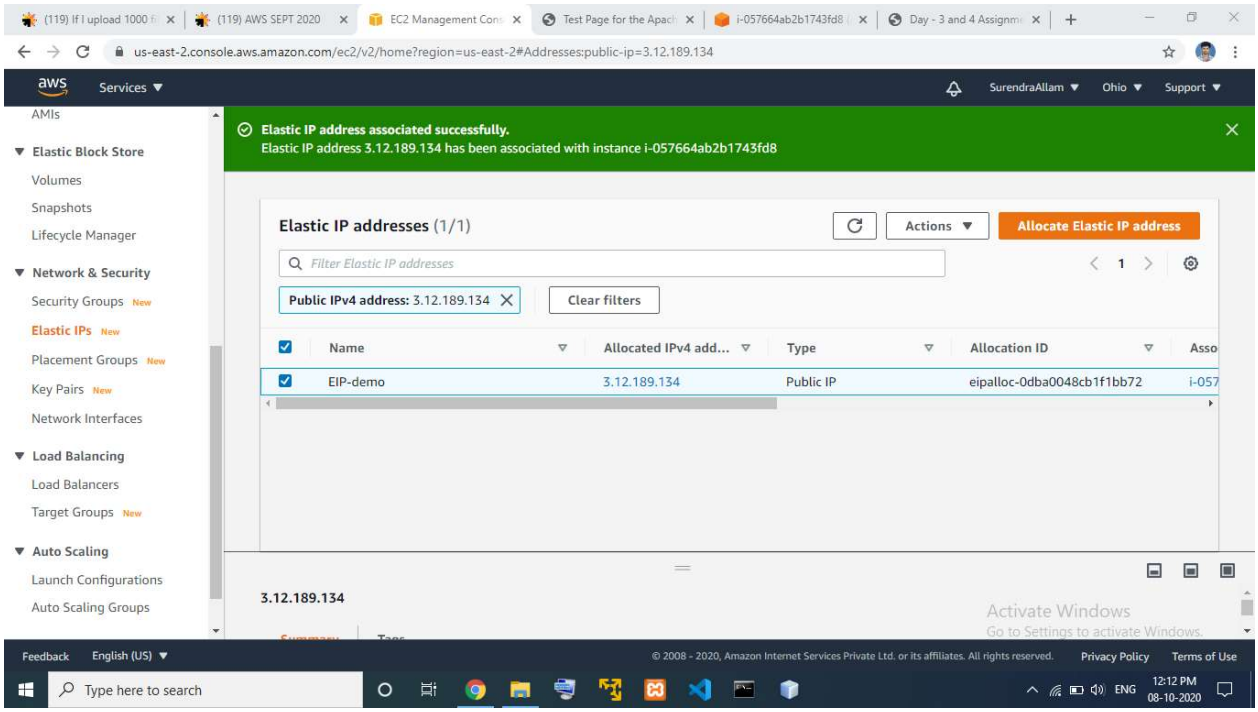
Task 3:Verify successful installation of Apache



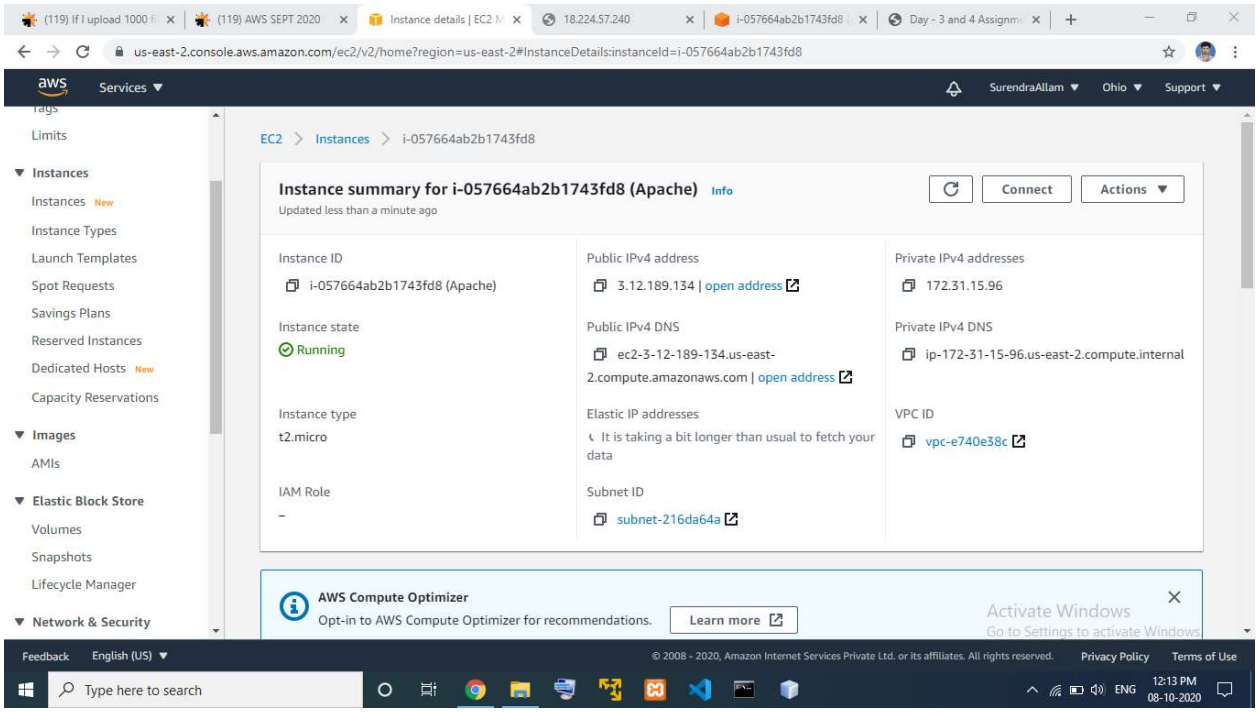
Task 4: Create Elastic IP and associate ELP with linux instance



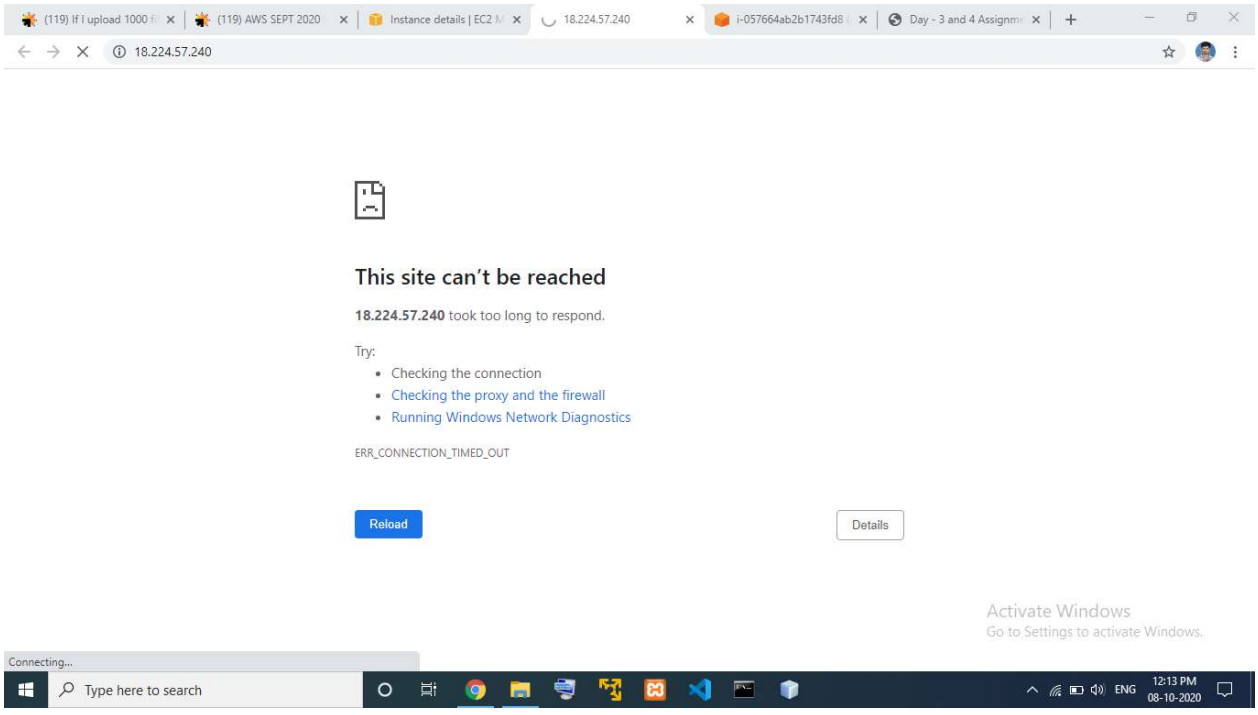




Now the Public Ip of linux instance Changed with Elastic Ip address.

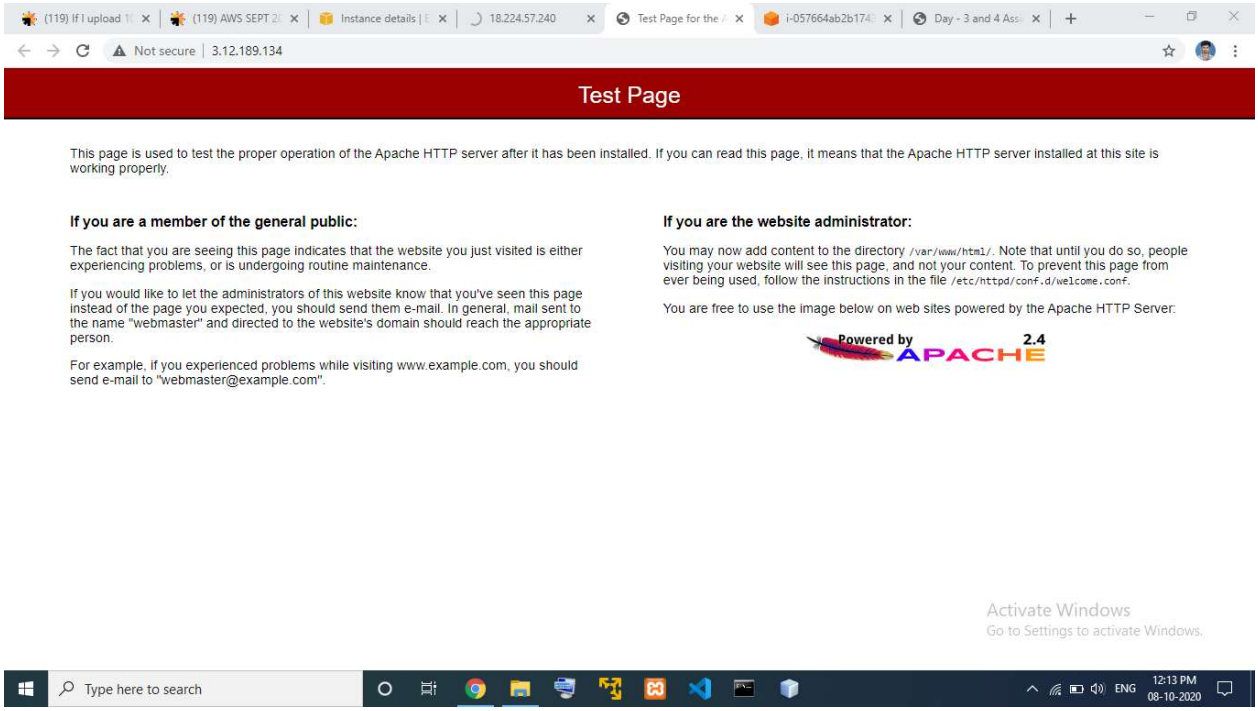


Task5: verify Old public ip address is working or not



NOTE: It is not working because EIP is assigned with these linux instance

Task6:Verify Apache server is running with EIP

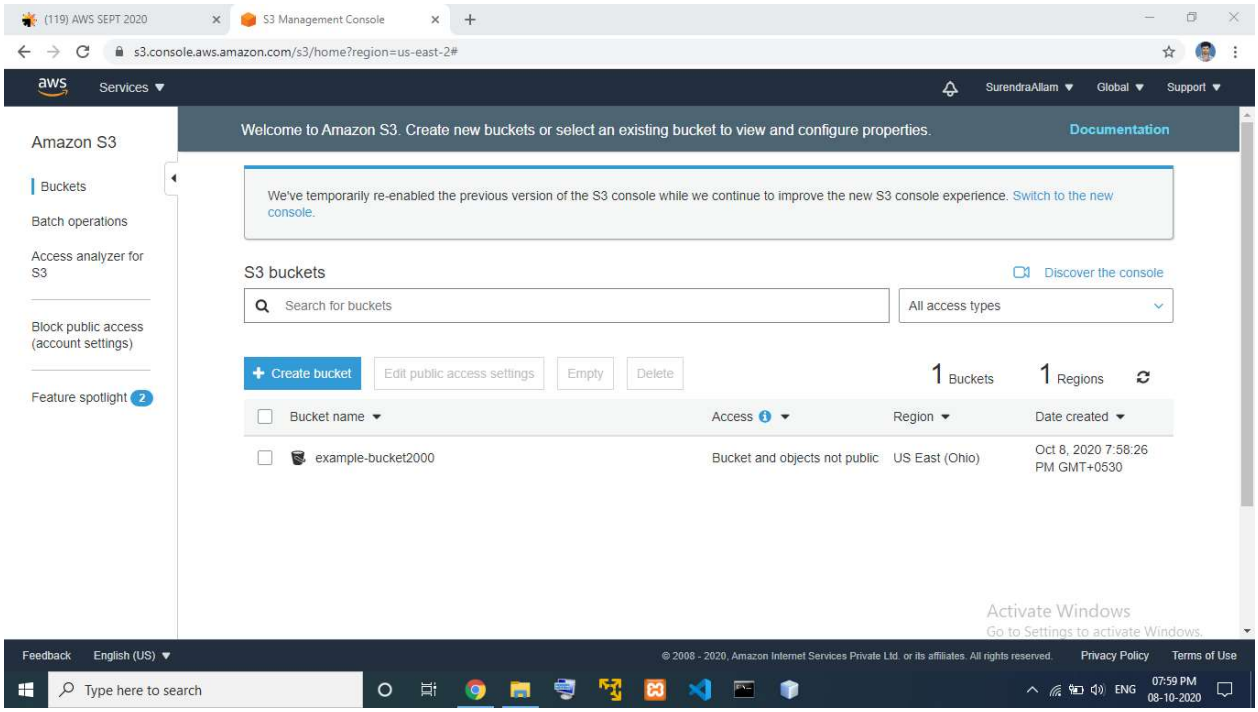


PROJECT 5:

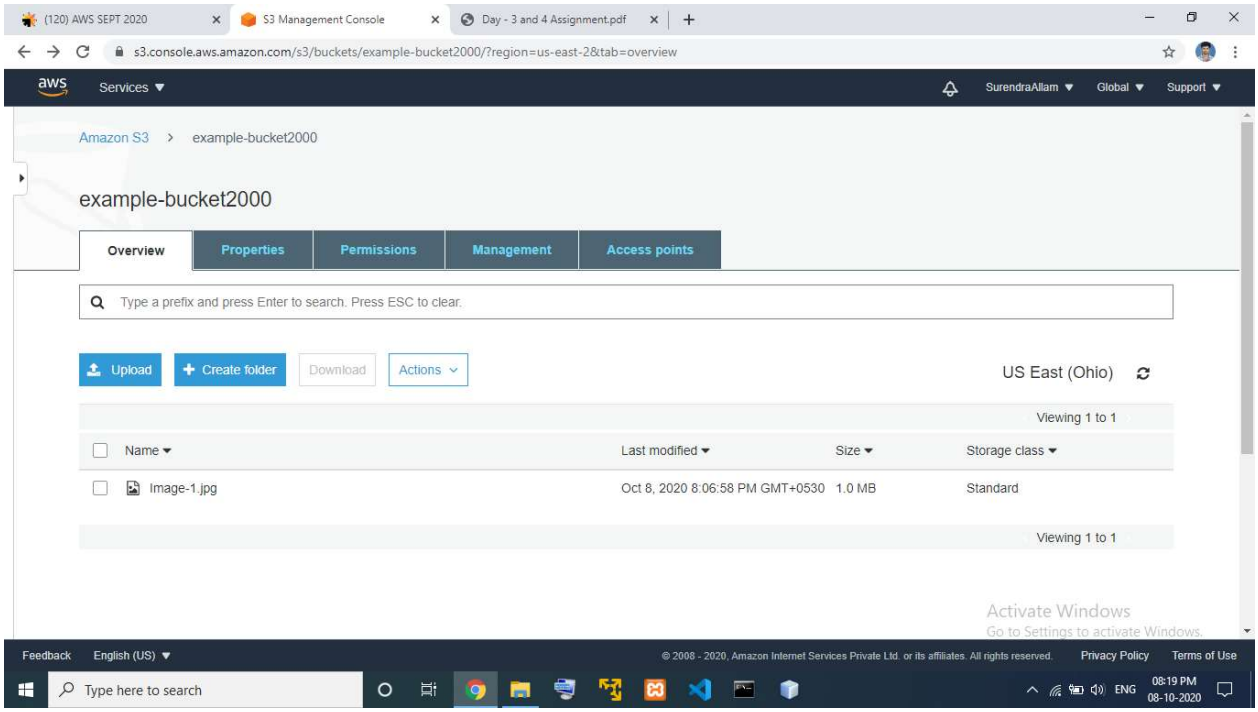
Working with S3

a.working with S3-.jpg

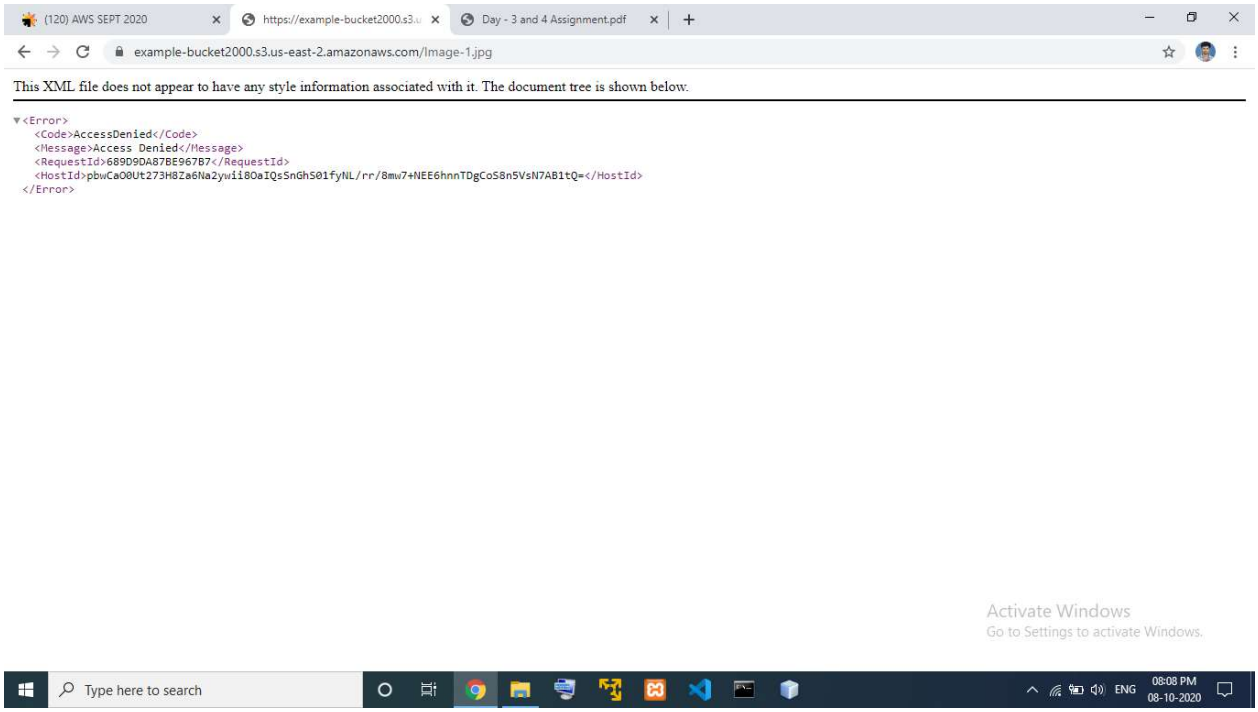
Task1: Create BUCKET inside the S3



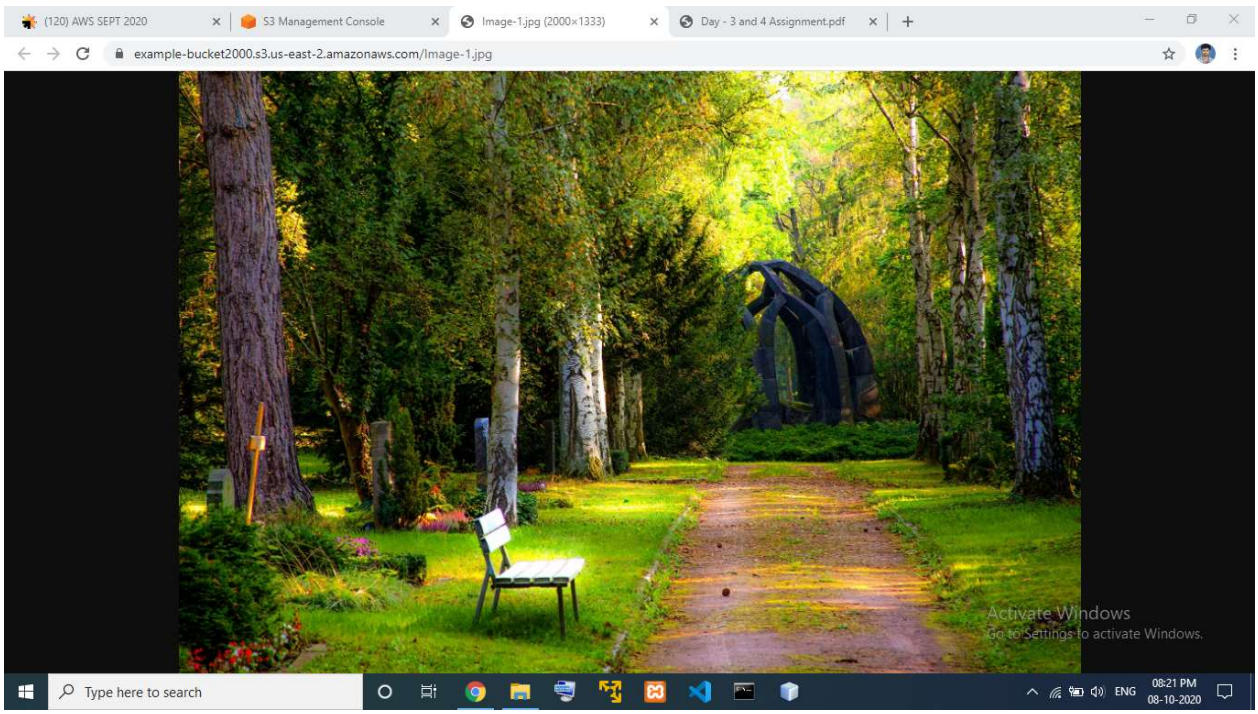
Task2: Upload Image inside the bucket



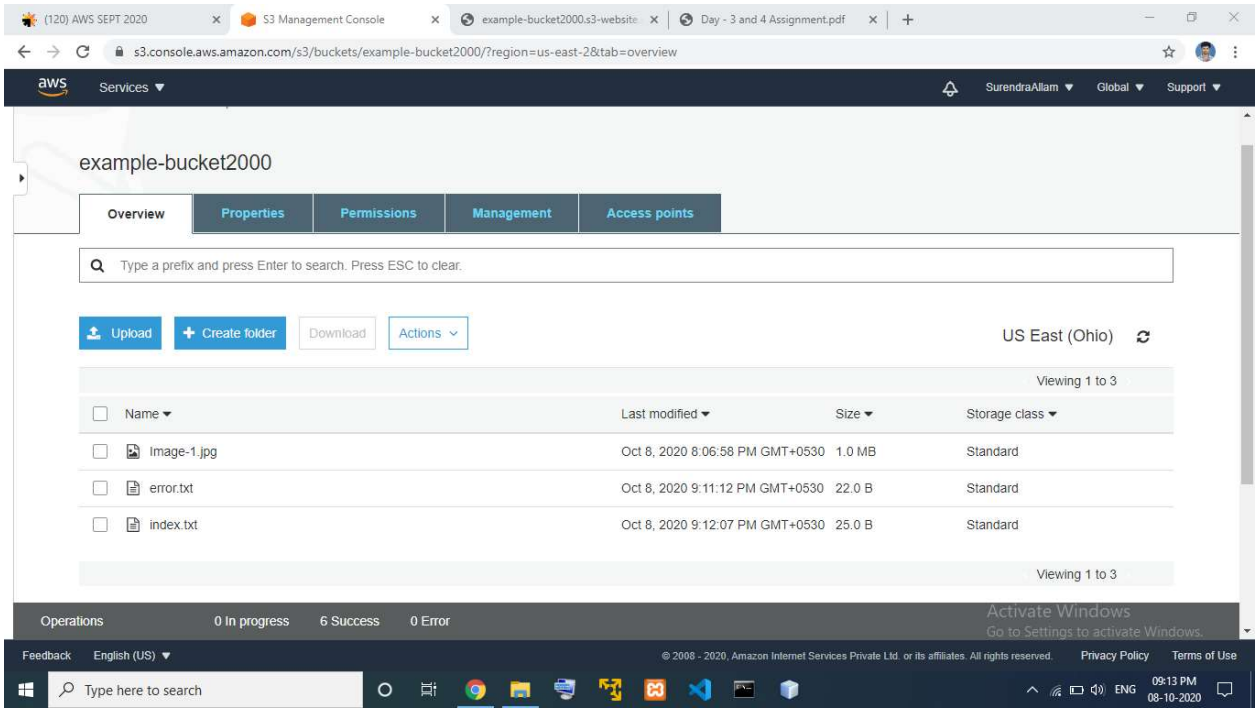
Task3: Image before making public

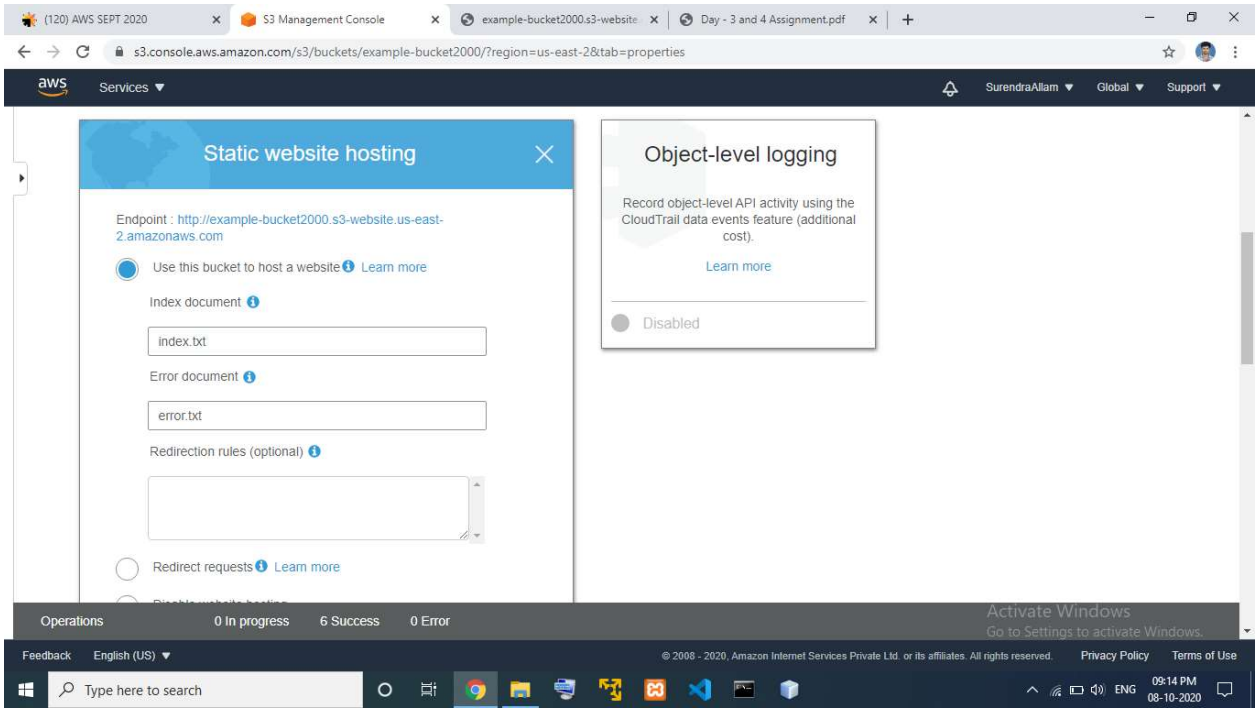


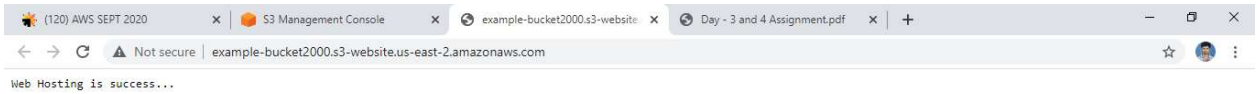
Task4: Image after making Public



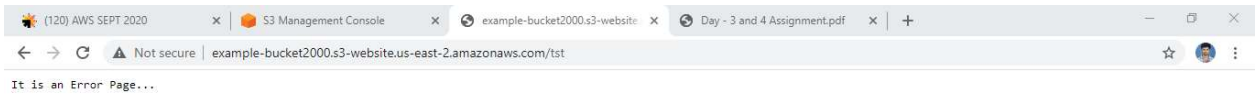
b.static web hosting





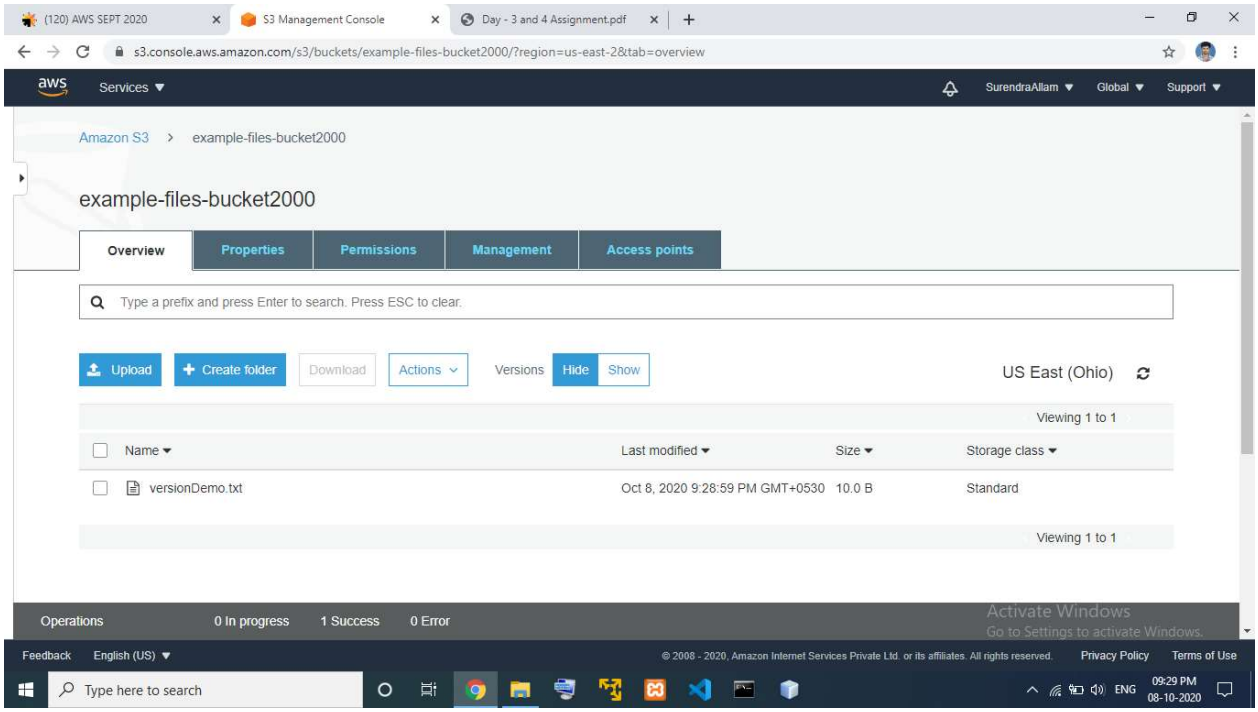


Activate Windows
Go to Settings to activate Windows.



Activate Windows
Go to Settings to activate Windows.

c.Versioning


(120) AWS SEPT 2020
S3 Management Console
Day - 3 and 4 Assignment.pdf
s3.console.aws.amazon.com/s3/buckets/example-files-bucket2000/?region=us-east-2&tab=overview
Services
SurendraAllam
Global
Support
Amazon S3 > example-files-bucket2000
example-files-bucket2000
Overview
Properties
Permissions
Management
Access points
Type a prefix and press Enter to search. Press ESC to clear.
Upload
Create folder
Download
Actions
Versions
Hide
Show
US East (Ohio)
Viewing 1 to 1
Name
Last modified
Size
Storage class
versionDemo.txt
Oct 8, 2020 9:28:59 PM GMT+0530
10.0 B
Standard
Viewing 1 to 1
Operations
0 In progress
1 Success
0 Error
Activate Windows
Go to Settings to activate Windows.
Feedback
English (US)
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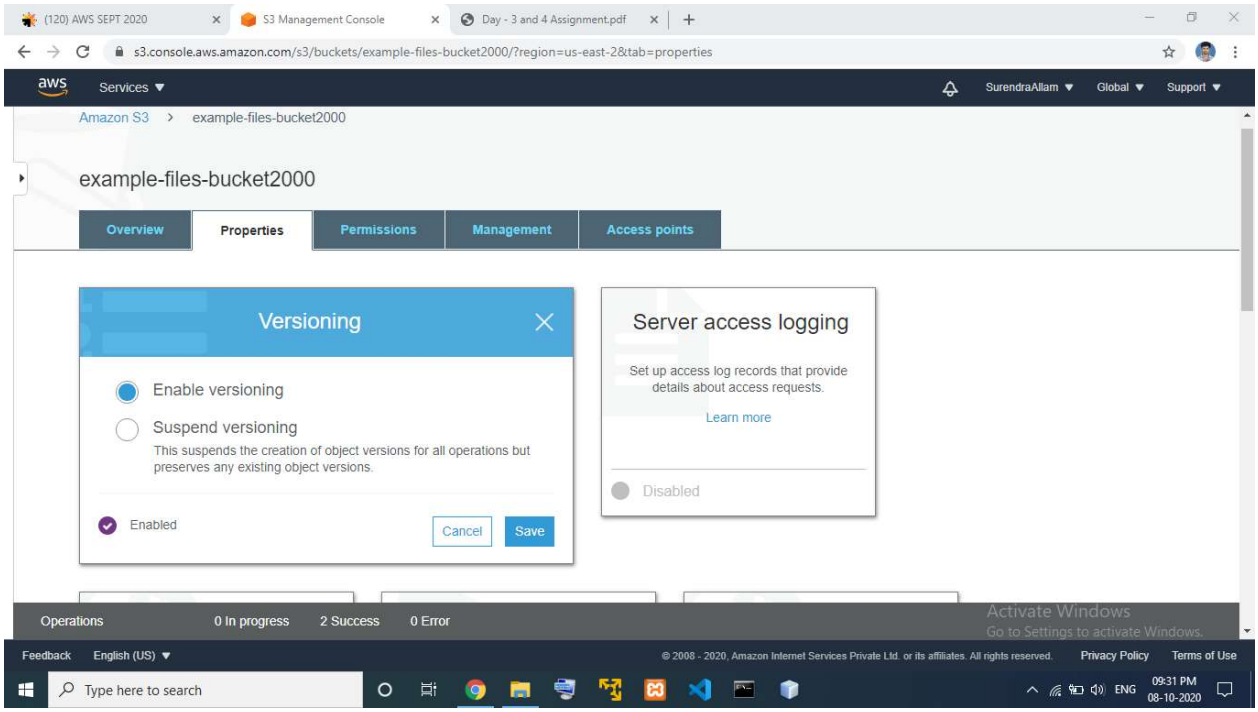
Type here to search
ENG
09:29 PM
08-10-2020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S3 Management Console
Day - 3 and 4 Assignment.pdf
s3.console.aws.amazon.com/s3/buckets/example-files-bucket2000/?region=us-east-2&tab=properties
Services
SurendraAllam
Global
Support
Amazon S3 > example-files-bucket2000
example-files-bucket2000
Overview
Properties
Permissions
Management
Access points
Versioning
Enable versioning
Suspend versioning
This suspends the creation of object versions for all operations but preserves any existing object versions.
Enabled
Cancel
Save
Server access logging
Set up access log records that provide details about access requests.
Learn more
Disabled
Operations
0 In progress
2 Success
0 Error
Activate Windows
Go to Settings to activate Windows.
Feedback
English (US)
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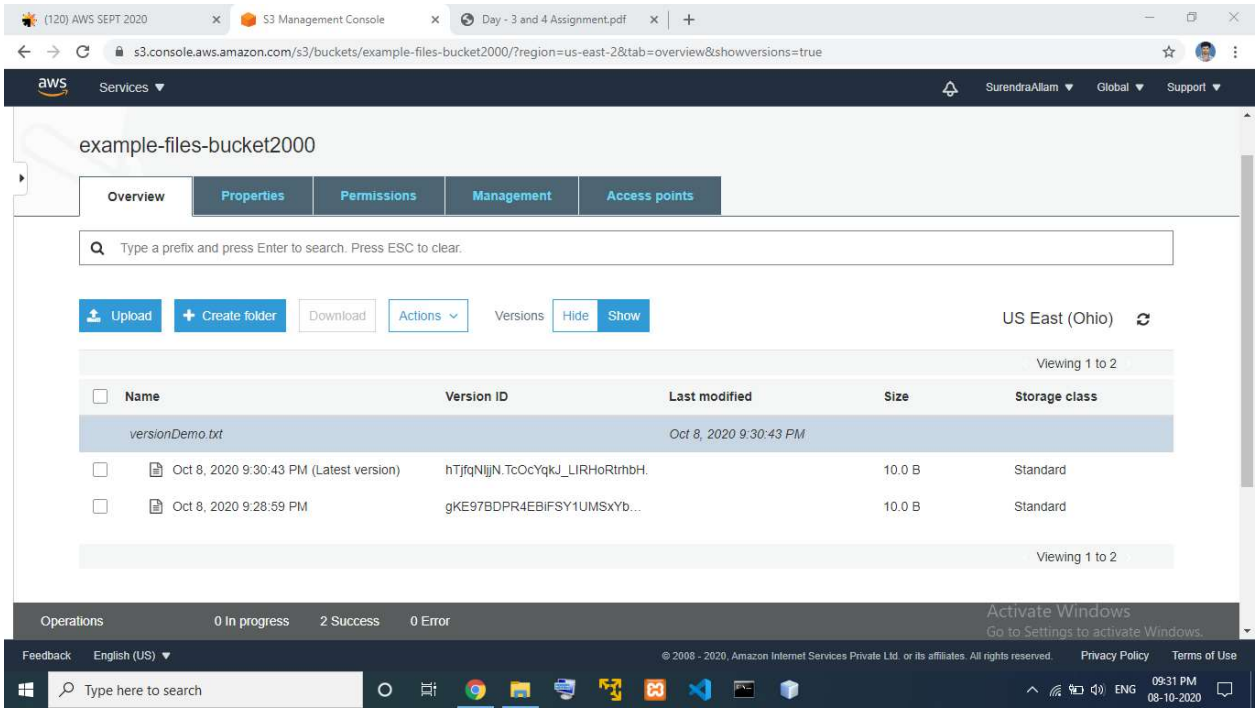
ENG
09:31 PM
08-10-2020


(120) AWS SEPT 2020
S3 Management Console
Day - 3 and 4 Assignment.pdf
s3.console.aws.amazon.com/s3/buckets/example-files-bucket2000/?region=us-east-2&tab=overview&showversions=true
Services
SurendraAllam
Global
Support
example-files-bucket2000
Overview
Properties
Permissions
Management
Access points
Type a prefix and press Enter to search. Press ESC to clear.
Upload
Create folder
Download
Actions
Versions
Hide
Show
US East (Ohio)
Viewing 1 to 2
Name
Version ID
Last modified
Size
Storage class
versionDemo.txt
Oct 8, 2020 9:30:43 PM
Oct 8, 2020 9:30:43 PM (Latest version)
hTjfqNIjjN.TcOcYqkJ_LIRHoRtrhbH.
10.0 B
Standard
Oct 8, 2020 9:28:59 PM
gKE97BDPR4EBiFSY1UMSxYb...
10.0 B
Standard
Viewing 1 to 2
Operations
0 In progress
2 Success
0 Error
Activate Windows
Go to Settings to activate Windows.
Feedback
English (US)
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ENG
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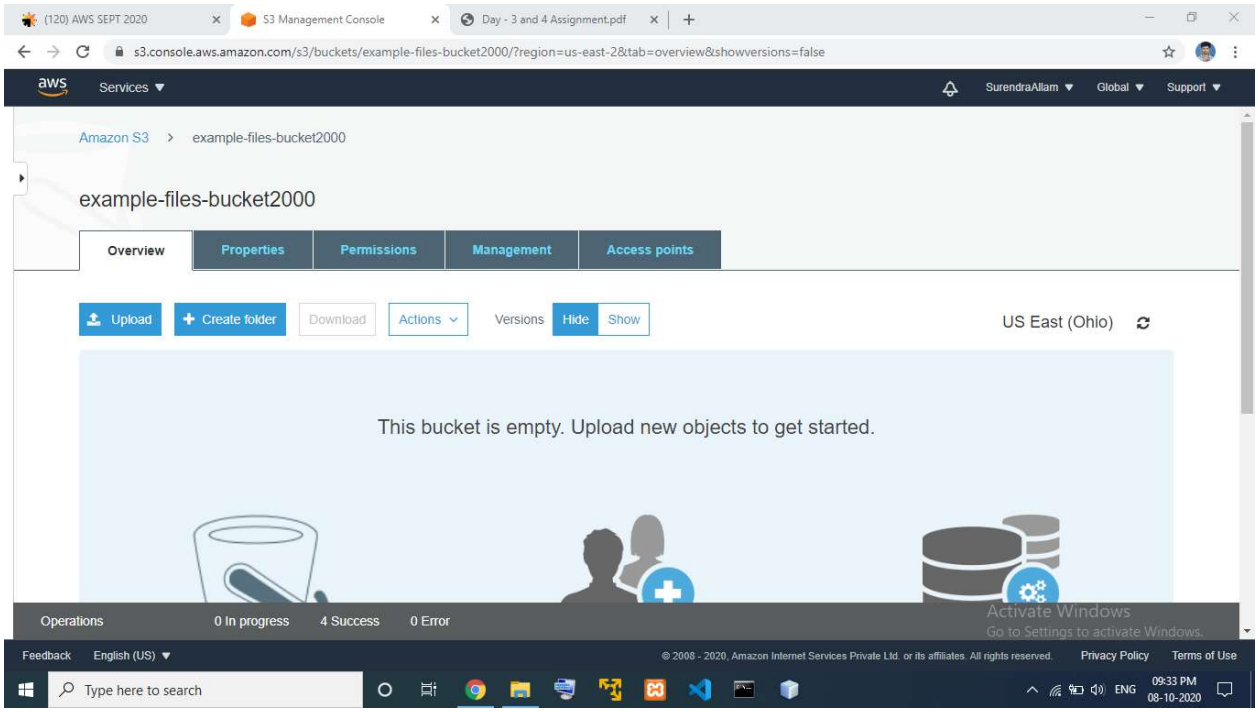
08-10-2020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Versions
Hide
Show
US East (Ohio)
This bucket is empty. Upload new objects to get started.
Operations
0 In progress
4 Success
0 Error
Activate Windows
Go to Settings to activate Windows.
Feedback
English (US)
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ENG
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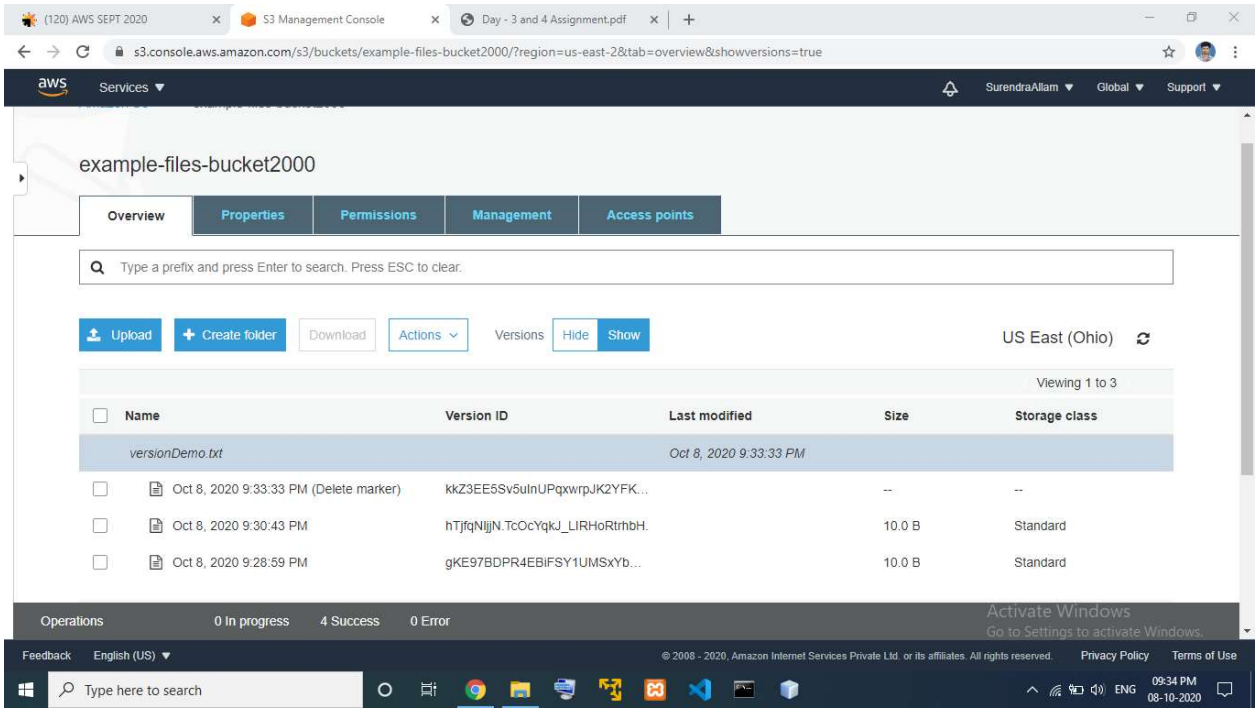
08-10-2020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US East (Ohio)
Viewing 1 to 3
Name
Version ID
Last modified
Size
Storage class
versionDemo.txt
Oct 8, 2020 9:33:33 PM
Oct 8, 2020 9:33:33 PM (Delete marker)
kkZ3EE5Sv5ulnUPqxwrpJK2YFK...
--
--
Oct 8, 2020 9:30:43 PM
hTjfqNIjjN.TcOcYqkJ_LIRHoRtrhbH.
10.0 B
Standard
Oct 8, 2020 9:28:59 PM
gKE97BDPR4EBiFSY1UMSxYb...
10.0 B
Standard
Operations
0 In progress
4 Success
0 Error
Activate Windows
Go to Settings to activate Windows.
Feedback
English (US)
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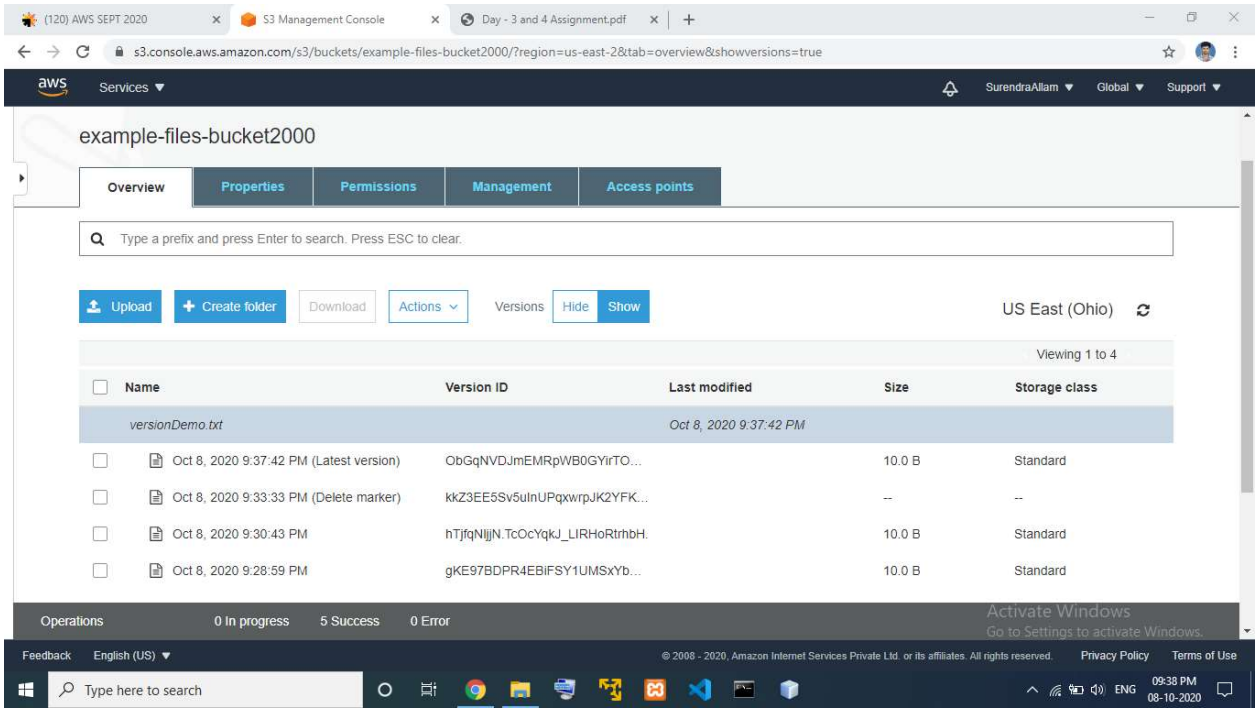
ENG
09:34 PM
08-10-2020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example-files-bucket2000
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Upload
Create folder
Download
Actions
Versions
Hide
Show
US East (Ohio)
Viewing 1 to 4
Name
Version ID
Last modified
Size
Storage class
versionDemo.txt
Oct 8, 2020 9:37:42 PM
Oct 8, 2020 9:37:42 PM (Latest version)
ObGqNVDJmEMRpWB0GYirTO...
10.0 B
Standard
Oct 8, 2020 9:33:33 PM (Delete marker)
kkZ3EE5Sv5ulnUPqxwrpJK2YFK...
--
--
Oct 8, 2020 9:30:43 PM
hTjfqNIjjN.TcOcYqkJ_LIRHoRtrhbH.
10.0 B
Standard
Oct 8, 2020 9:28:59 PM
gKE97BDPR4EBiFSY1UMSxYb...
10.0 B
Standard
Operations
0 In progress
5 Success
0 Error
Activate Windows
Go to Settings to activate Windows.
Feedback
English (US)
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Type here to search
ENG
09:38 PM
08-10-2020

QUESTION 1:

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

Answer:-

Reboot:- In this reboot Public IP,Private IP everything will be the same. It is just like restarting our system. And no loss for installed applications.

Stop/Start:- Here after stopping and again starting our instance Public IP will be gone. Assign a new Public IP to our instance and Private IP is the same. And no loss for installed applications.

Terminated:- After terminating our instance Public IP and Private IP and installed applications everything will be gone.