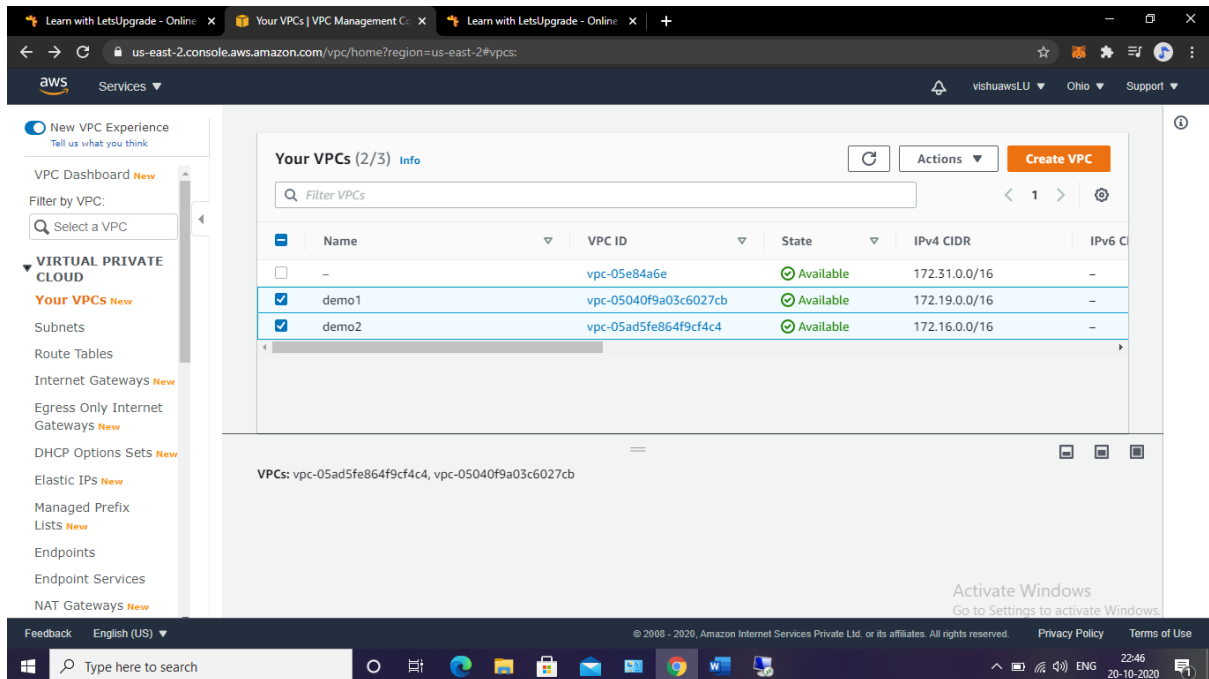


# Lets Upgrade AWS Advance Project-3

## WEEK-4(Day-7):

### Task-1: VPC peering:

#### SS1: VPC's List:

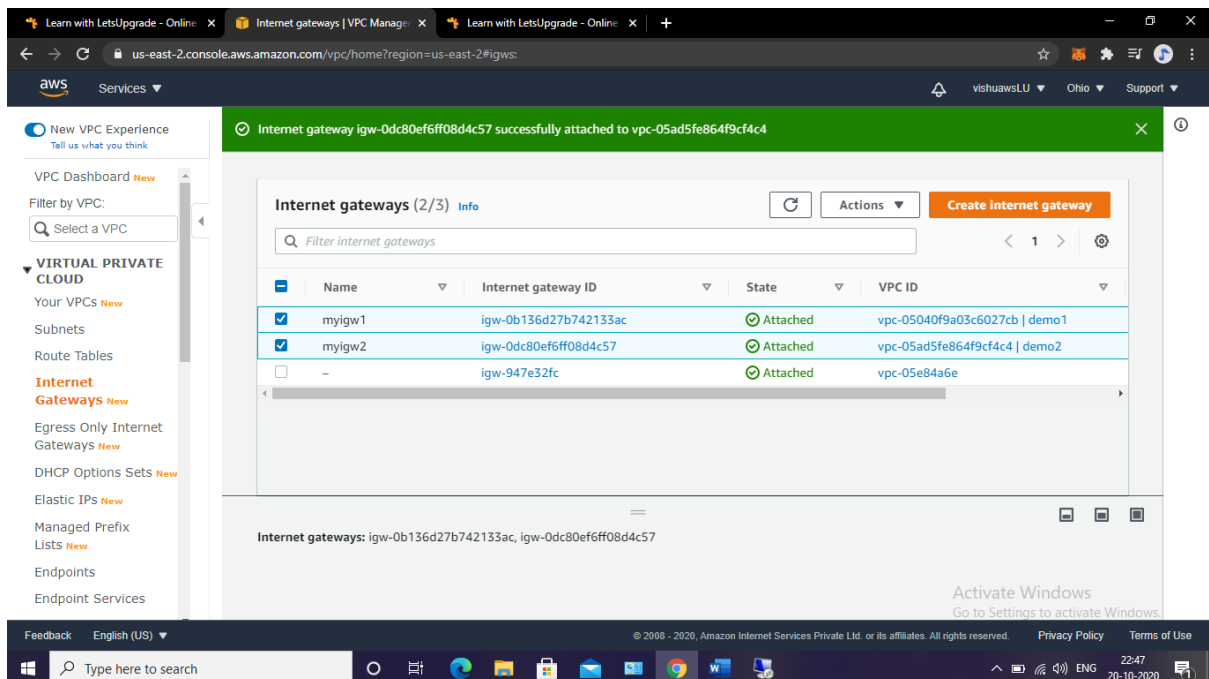


The screenshot shows the AWS VPC console interface. The left sidebar contains navigation links for VPC Dashboard, Subnets, Route Tables, Internet Gateways, Egress Only Internet Gateways, DHCP Options Sets, Elastic IPs, Managed Prefix Lists, Endpoints, Endpoint Services, and NAT Gateways. The main content area displays 'Your VPCs (2/3)' with a table listing VPCs. The table has columns for Name, VPC ID, State, IPv4 CIDR, and IPv6 CIDR. Two VPCs are listed: 'demo1' and 'demo2', both in an 'Available' state. Below the table, the VPC IDs are listed: vpc-05ad5fe864f9cf4c4, vpc-05040f9a03c6027cb. The bottom of the screen shows the Windows taskbar with the search bar and various application icons.

Name	VPC ID	State	IPv4 CIDR	IPv6 CIDR
demo1	vpc-05040f9a03c6027cb	Available	172.19.0.0/16	-
demo2	vpc-05ad5fe864f9cf4c4	Available	172.16.0.0/16	-

VPCs: vpc-05ad5fe864f9cf4c4, vpc-05040f9a03c6027cb

#### SS2: IGW list:



The screenshot shows the AWS Internet Gateway console interface. The left sidebar contains navigation links for VPC Dashboard, Subnets, Route Tables, Internet Gateways, Egress Only Internet Gateways, DHCP Options Sets, Elastic IPs, Managed Prefix Lists, Endpoints, Endpoint Services, and NAT Gateways. The main content area displays 'Internet gateways (2/3)' with a table listing Internet Gateways. The table has columns for Name, Internet gateway ID, State, and VPC ID. Two Internet Gateways are listed: 'myigw1' and 'myigw2', both in an 'Attached' state. Below the table, the Internet Gateway IDs are listed: igw-0b136d27b742133ac, igw-0dc80ef6ff08d4c57. A green notification banner at the top of the main content area states: 'Internet gateway igw-0dc80ef6ff08d4c57 successfully attached to vpc-05ad5fe864f9cf4c4'. The bottom of the screen shows the Windows taskbar with the search bar and various application icons.

Name	Internet gateway ID	State	VPC ID
myigw1	igw-0b136d27b742133ac	Attached	vpc-05040f9a03c6027cb   demo1
myigw2	igw-0dc80ef6ff08d4c57	Attached	vpc-05ad5fe864f9cf4c4   demo2

Internet gateways: igw-0b136d27b742133ac, igw-0dc80ef6ff08d4c57

## SS3: Edit route List:

Learn with LetsUpgrade - Online x Route Tables | VPC Management x +

us-east-2.console.aws.amazon.com/vpc/home?region=us-east-2#RouteTable:sort=routeTableId

aws Services vishuawsLU Ohio Support

New VPC Experience Tell us what you think

VPC Dashboard New

Filter by VPC: Select a VPC

VIRTUAL PRIVATE CLOUD

Your VPCs New

Subnets

Route Tables

Internet Gateways New

Egress Only Internet Gateways New

DHCP Options Sets New

Elastic IPs New

Managed Prefix Lists New

Endpoints

Endpoint Services

NAT Gateways New

Create route table Actions

Filter by tags and attributes or search by keyword

Name	Route Table ID	Explicit subnet association	Edge associations	Main	VPC ID
demoroute1	rtb-05451948a66bd13b5	-	-	Yes	vpc-05040f9a03c6027cb  ...
	rtb-0e0f4ffe5104d5eca	-	-	No	vpc-05ad5fe864f9cf4c4  ...
	rtb-0f2f2b51a652c5d11	-	-	No	vpc-05040f9a03c6027cb  ...
demoroute2	rtb-0f704cd94cfc0162a	-	-	Yes	vpc-05ad5fe864f9cf4c4  ...
	rtb-7ebcd715	-	-	Yes	vpc-05e84a6e

Route Tables: rtb-0f704cd94cfc0162a, rtb-05451948a66bd13b5

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Type here to search

Learn with LetsUpgrade - Online x Edit routes | VPC Management C x Learn with LetsUpgrade - Online x +

us-east-2.console.aws.amazon.com/vpc/home?region=us-east-2#EditRoutes:routeTableId=rtb-05451948a66bd13b5

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Route Tables > Edit routes

### Edit routes

Destination	Target	Status	Propagated
172.19.0.0/16	local	active	No
0.0.0.0/0	lgw-0b136d27b742133ad	No	No

Add route

\* Required Cancel Save routes

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Learn with LetsUpgrade - Online x Edit routes | VPC Management C x +

us-east-2.console.aws.amazon.com/vpc/home?region=us-east-2#EditRoutes:routeTableId=rtb-0f704cd94cfc0162a

Route Tables > Edit routes

### Edit routes

Destination	Target	Status	Propagated
172.16.0.0/16	local	active	No
0.0.0.0/0	lgw-0dc80ef6ff08d4c57		No

Add route

\* Required

Cancel Save routes

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## SS4: Subnet List:

Learn with LetsUpgrade - Online x Subnets | VPC Management Con x +

us-east-2.console.aws.amazon.com/vpc/home?region=us-east-2#subnets:sort=SubnetId

New VPC Experience  
Tell us what you think

VPC Dashboard New

Filter by VPC:  
Select a VPC

**VIRTUAL PRIVATE CLOUD**

Your VPCs New

**Subnets**

Route Tables

Internet Gateways New

Egress Only Internet Gateways New

DHCP Options Sets New

Elastic IPs New

Managed Prefix Lists New

Endpoints

Endpoint Services

NAT Gateways New

Create subnet Actions

Filter by tags and attributes or search by keyword

Name	Subnet ID	State	VPC	IPv4 CIDR	Available IPv4	IPv6 CIDR	Av
demosubnet2	subnet-0087181861da5e763	available	vpc-05ad5fe864f9cf4c4  ...	172.16.16.0/24	251	-	us-
	subnet-03c30968	available	vpc-05e84a6e	172.31.0.0/20	4091	-	us-
demosubnet	subnet-0cd8b79b4aaf4987a	available	vpc-05040f9a03c6027cb  ...	172.19.19.0/24	250	-	us-
	subnet-27779f6b	available	vpc-05e84a6e	172.31.32.0/20	4091	-	us-
	subnet-ecc8c896	available	vpc-05e84a6e	172.31.16.0/20	4091	-	us-

Subnets: subnet-0cd8b79b4aaf4987a, subnet-0087181861da5e763

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## SS5: Instance Detail Lists:

The screenshot displays the AWS Management Console interface for the 'Instances' section. The left-hand navigation pane includes links to 'EC2 Dashboard', 'Events', 'Tags', 'Limits', 'Instances', 'Instance Types', 'Launch Templates', 'Spot Requests', 'Savings Plans', 'Reserved Instances', 'Dedicated Hosts', 'Capacity Reservations', 'Images', 'AMIs', and 'Elastic Block Store'. The main content area shows a list of instances with columns for Name, Instance ID, Instance state, Instance type, Status check, Alarm Status, and Availability zone. One instance, 'demo1' with ID 'i-075ac38aa0982852b', is highlighted. Below the list, the 'Instance: i-075ac38aa0982852b (demo1)' details are shown, including tabs for Details, Security, Networking, Storage, Status Checks, Monitoring, and Tags. The 'Instance summary' section provides key information:

Instance ID	Public IPv4 address	Private IPv4 addresses
i-075ac38aa0982852b (demo1)	3.137.151.79   <a href="#">open address</a>	172.19.19.207

Additional details include:

- Instance state: **Running**
- Public IPv4 DNS: -
- Private IPv4 DNS: ip-172-19-19-207.us-east-2.compute.internal
- Elastic IP addresses: -
- VPC ID: vpc-05040f9a05c6027cb (demo1)

The bottom of the console shows a Windows taskbar with the search bar and system tray.

The screenshot displays the AWS Management Console interface for the 'Instances' section, showing the details of a second instance. The navigation pane and instance list are identical to the first screenshot. The instance 'demo2' with ID 'i-01062820d3c3c0f6e' is highlighted. The details for 'Instance: i-01062820d3c3c0f6e (demo2)' are shown below:

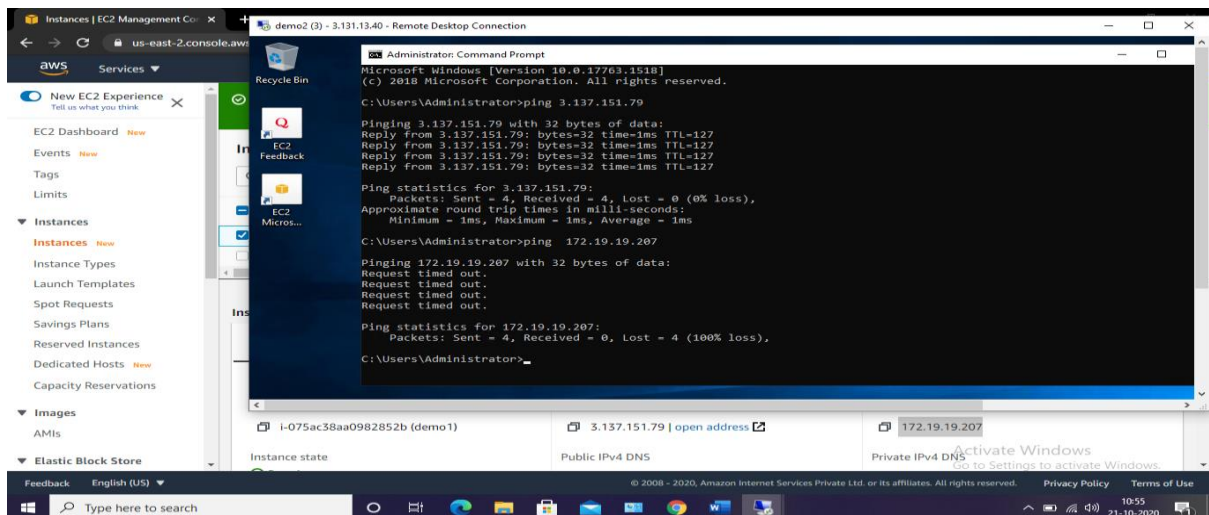
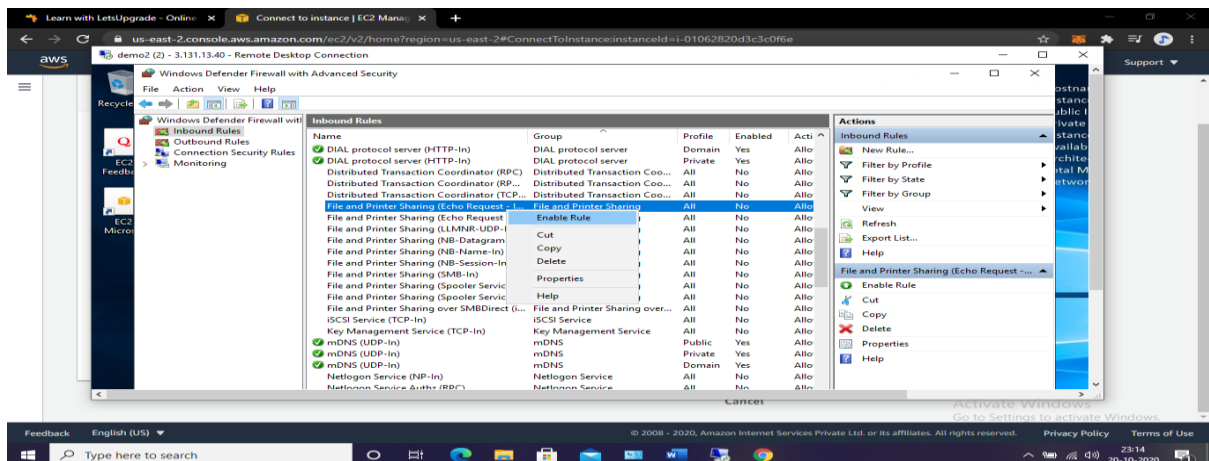
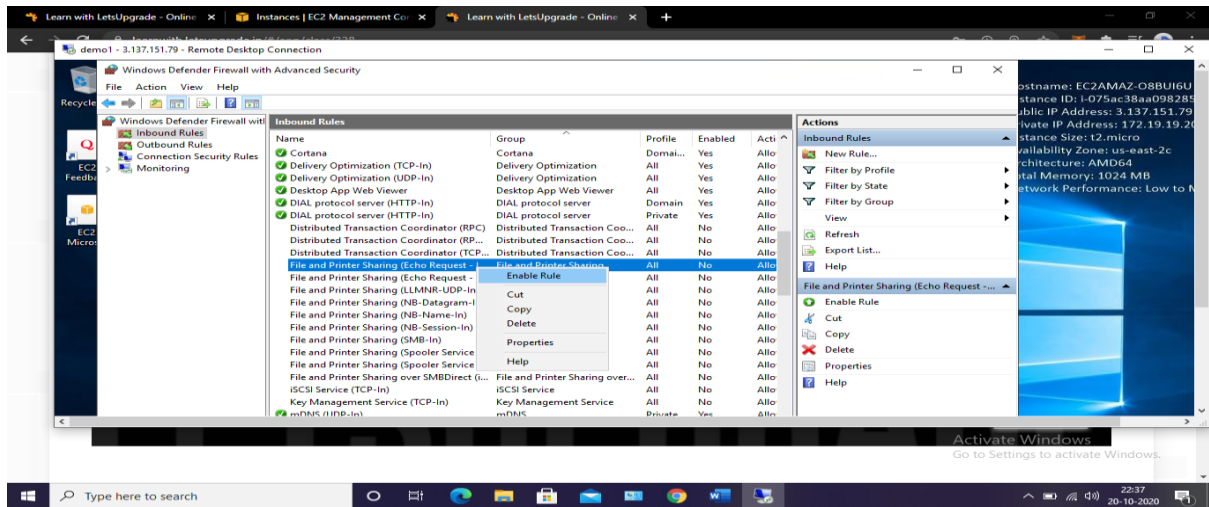
Instance ID	Public IPv4 address	Private IPv4 addresses
i-01062820d3c3c0f6e (demo2)	3.131.13.40   <a href="#">open address</a>	172.16.16.18

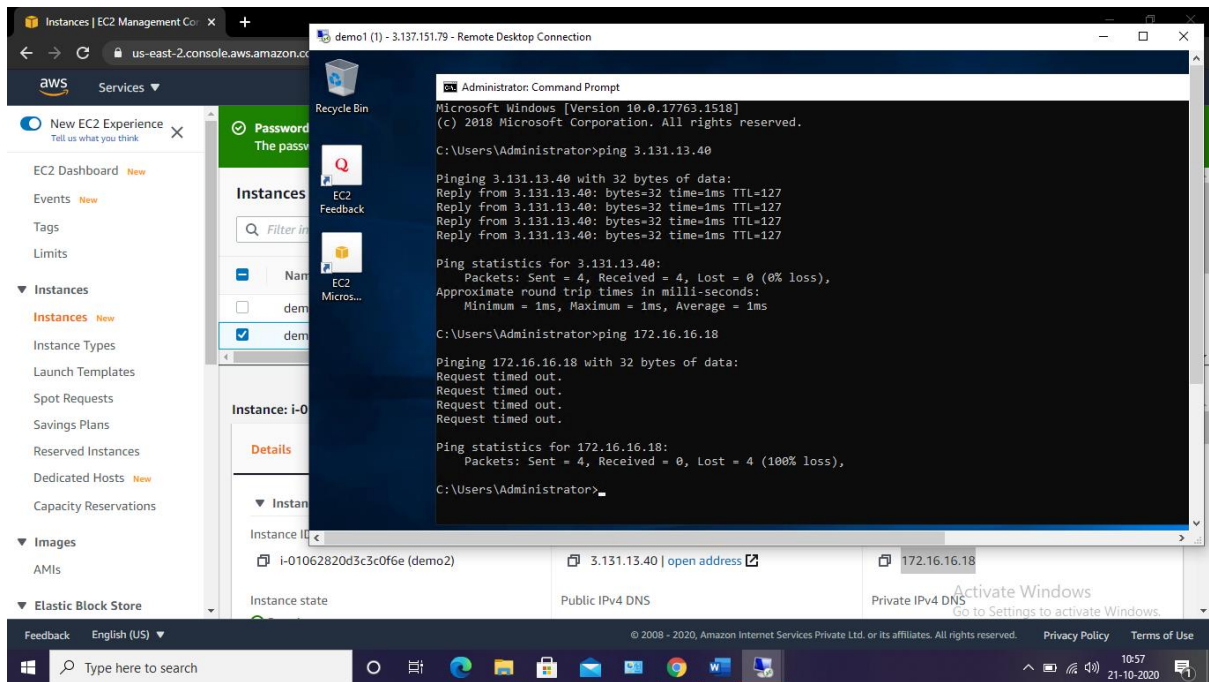
Additional details include:

- Instance state: **Running**
- Public IPv4 DNS: -
- Private IPv4 DNS: ip-172-16-16-18.us-east-2.compute.internal
- Elastic IP addresses: -
- VPC ID: vpc-05ad5fe864f9c14c4 (demo2)

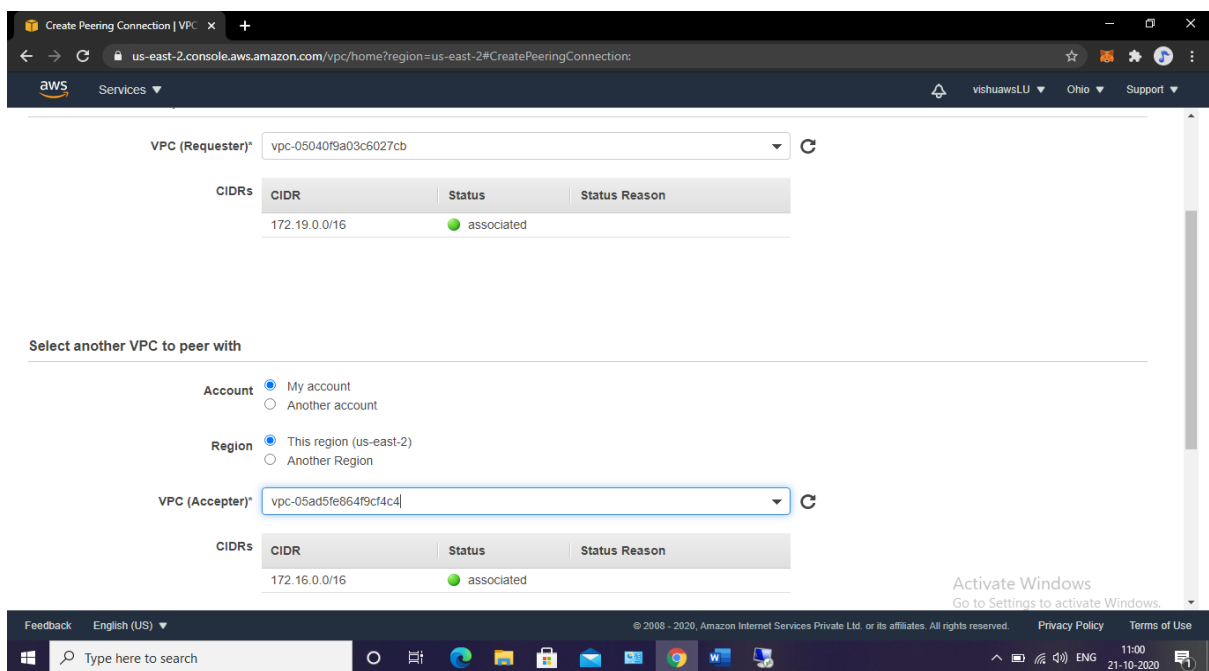
The bottom of the console shows a Windows taskbar with the search bar and system tray.

## SS6: Success Public, RTO Private IP:



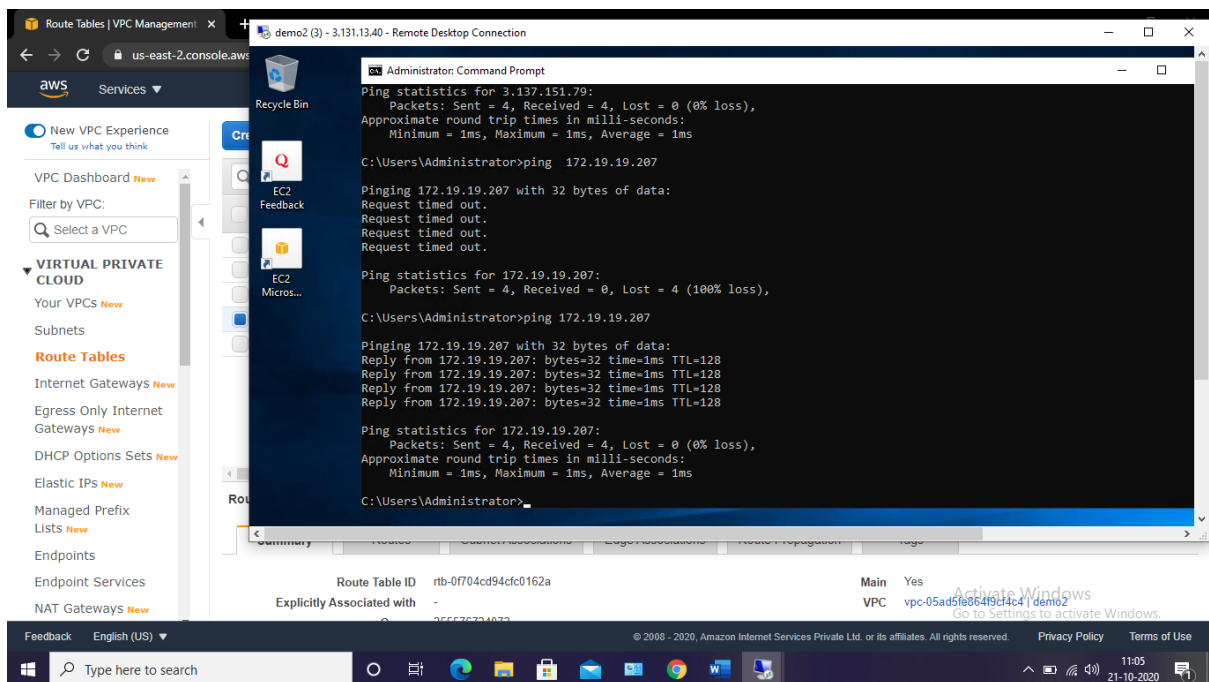
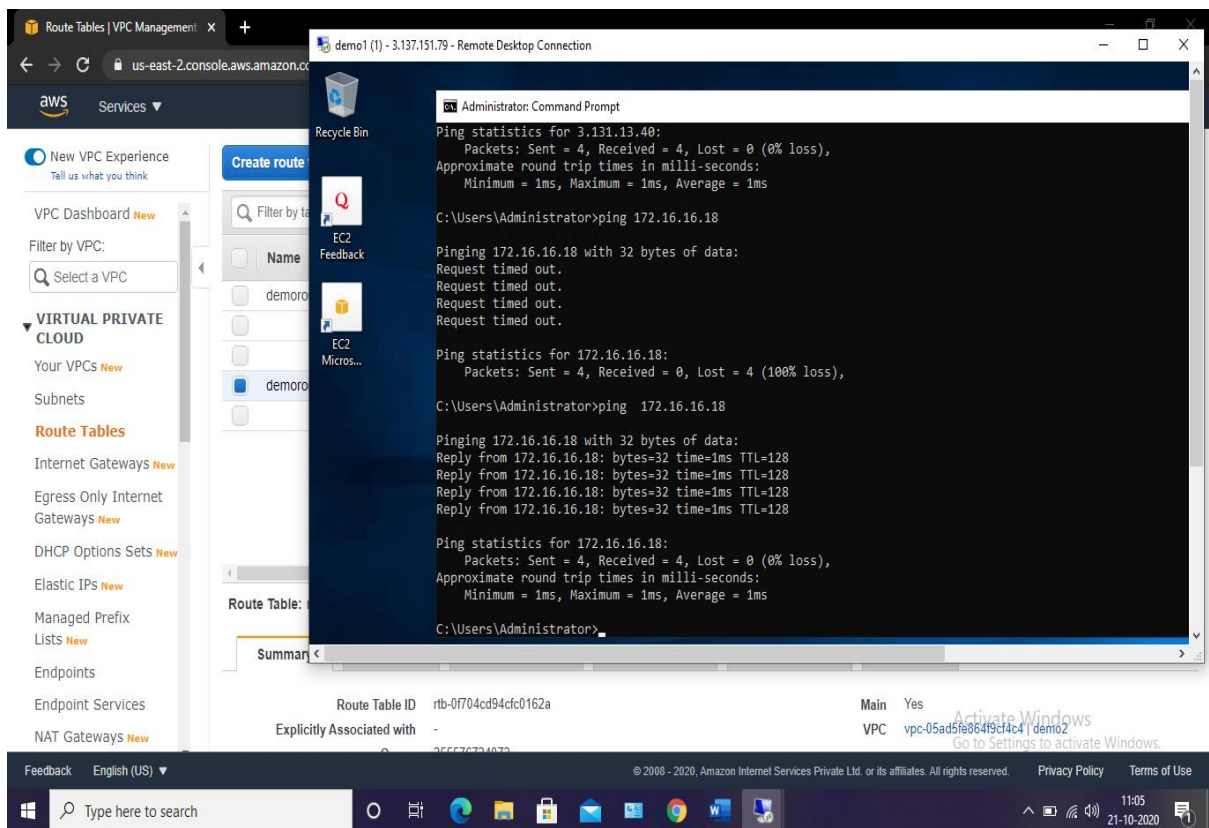


## SS7: Peering with Requester and Acceptor:











## WEEK-4(DAY-8)

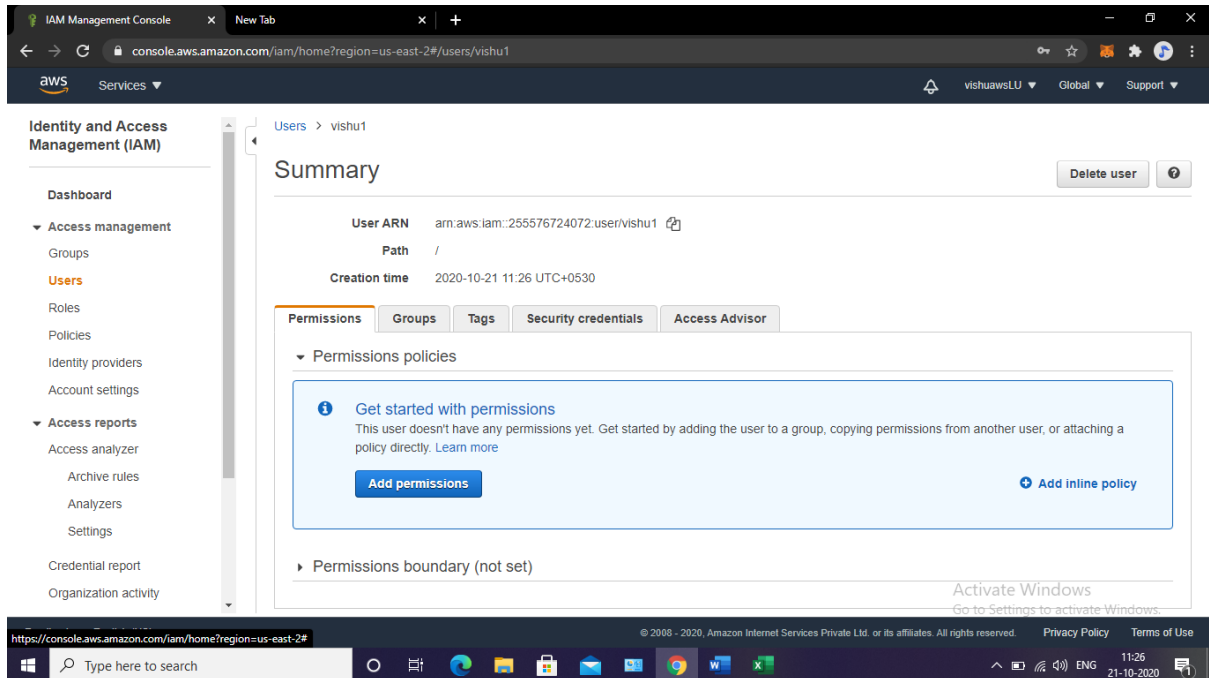
### Task2: IAM

#### 1.Creating users without permissions-IAM password policy check.

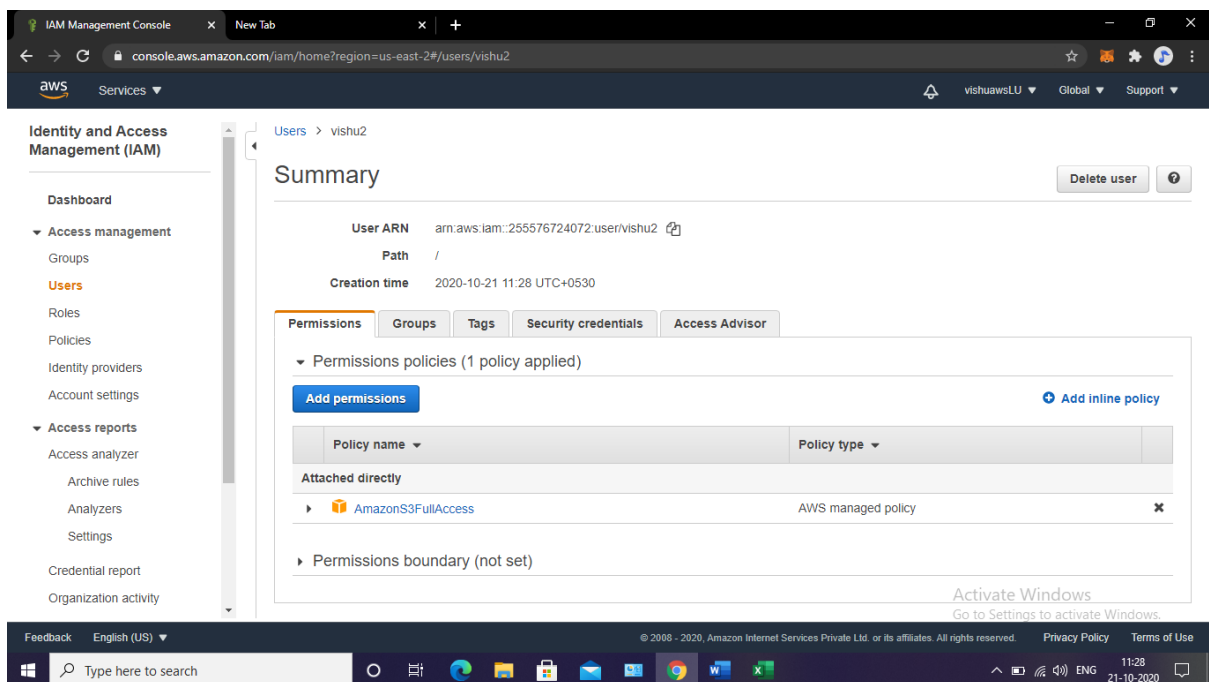
The screenshot shows the AWS IAM Management Console interface. The left sidebar contains the 'Identity and Access Management (IAM)' menu with options like Dashboard, Access management, Groups, Users, Roles, Policies, Identity providers, Account settings, Access reports, Access analyzer, Archive rules, Analyzers, Settings, Credential report, and Organization activity. The main content area displays the 'Summary' page for a user named 'vishu'. It shows the User ARN as 'arn:aws:iam::255576724072:user/vishu', the Path as '/', and the Creation time as '2020-10-21 11:21 UTC+0530'. Below this, there are tabs for 'Permissions', 'Groups', 'Tags', 'Security credentials', and 'Access Advisor'. The 'Permissions' tab is active, showing a message: 'Get started with permissions. This user doesn't have any permissions yet. Get started by adding the user to a group, copying permissions from another user, or attaching a policy directly. Learn more'. There is a button 'Add permissions' and a link 'Add inline policy'. At the bottom, it says 'Permissions boundary (not set)'. The Windows taskbar is visible at the bottom with the date '21-10-2020' and time '11:21'.

The screenshot shows the AWS IAM console 'Change password' page. At the top, it says 'You must change your password to continue'. Below this, it displays the 'AWS account' as '255576724072' and the 'IAM user name' as 'vishu'. There are four input fields: 'Old password', 'New password', and 'Retype new password'. A 'Confirm password change' button is at the bottom. Below the button, there is a link 'Sign in using root user email'. At the bottom of the page, there is a language dropdown set to 'English' and a link 'Terms of Use Privacy Policy'. The Windows taskbar is visible at the bottom with the date '21-10-2020' and time '11:22'.

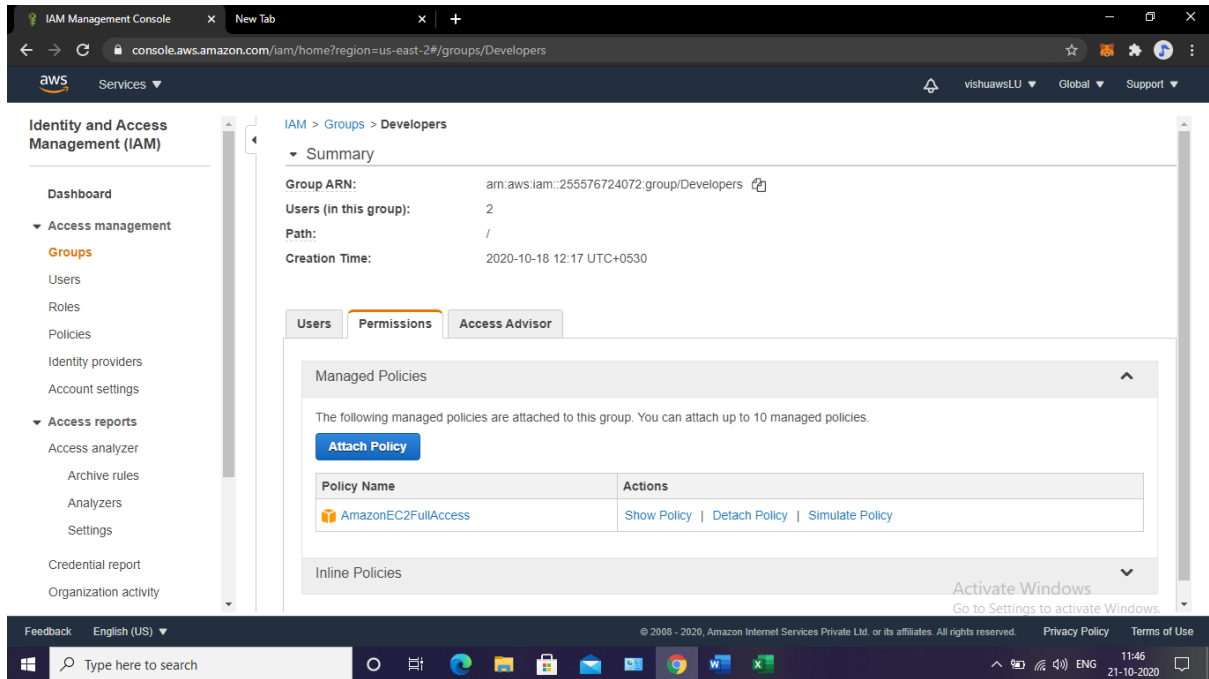
## 2: Creating users without the IAM password policy.



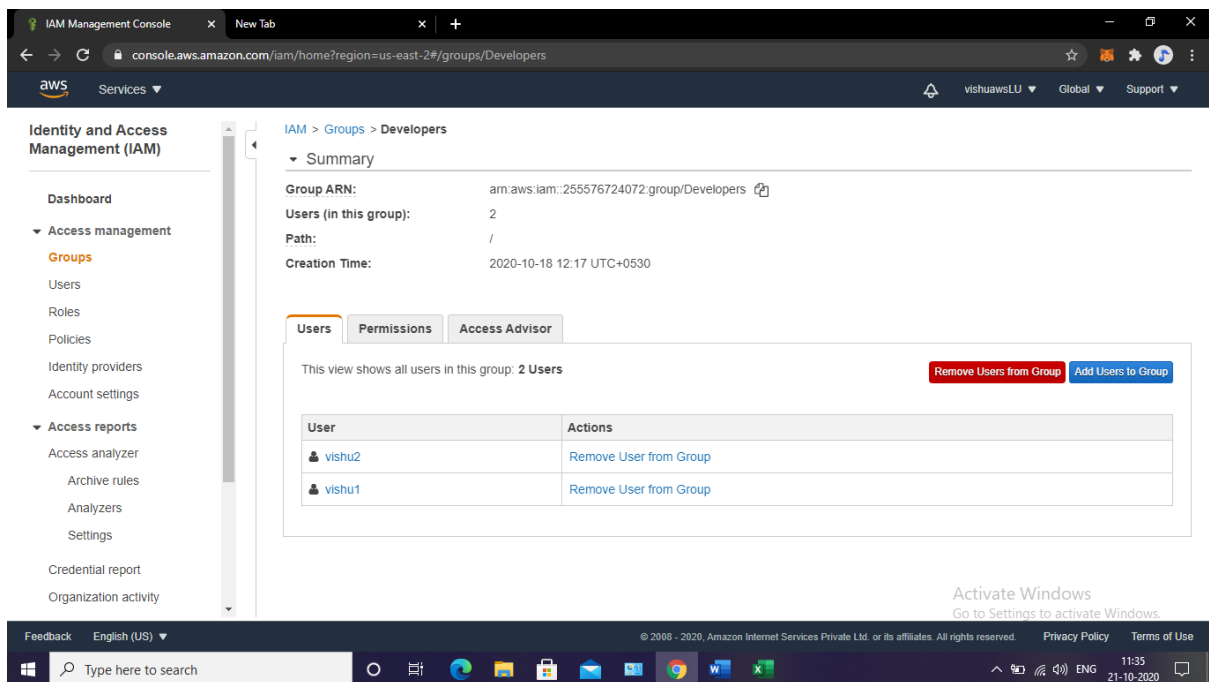
## 3: Create a user with S3 Full Access.

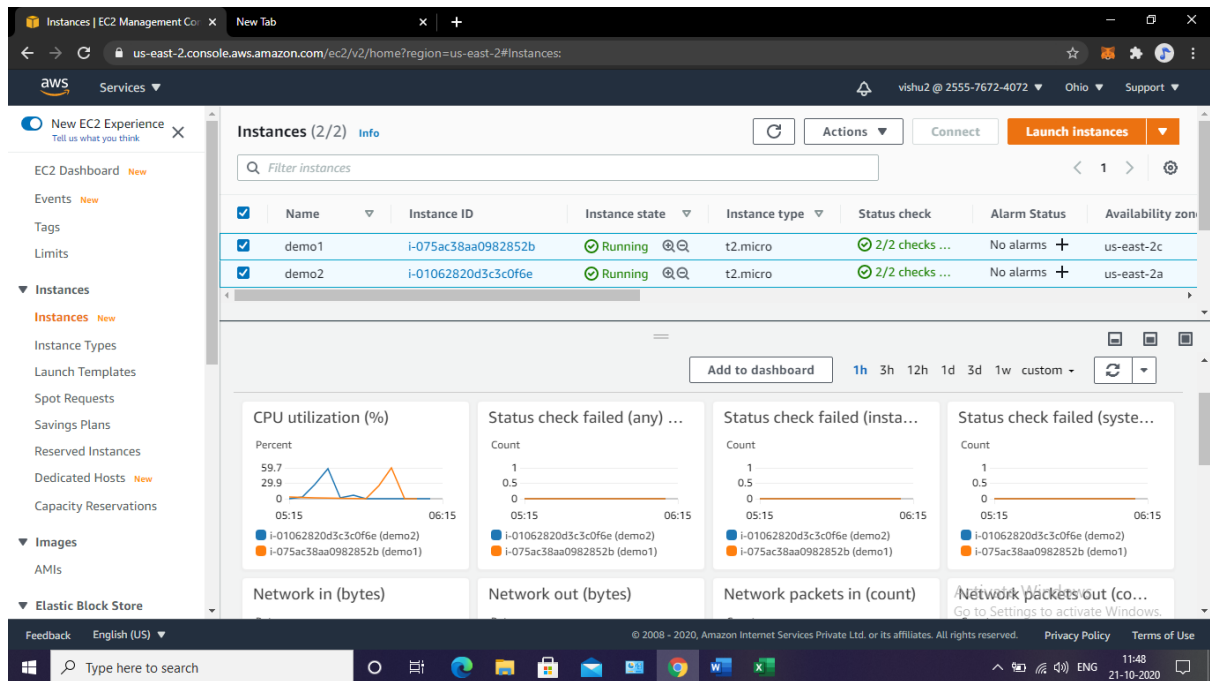


## 4: Create a group with ec2 Full Access.

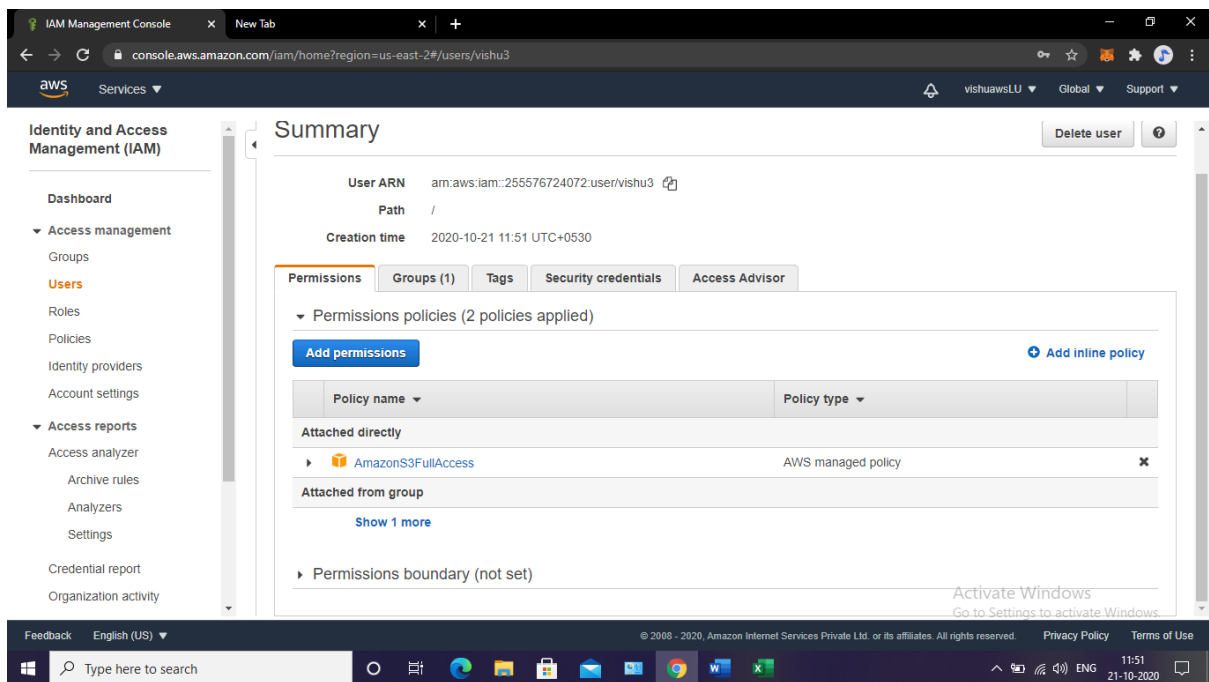
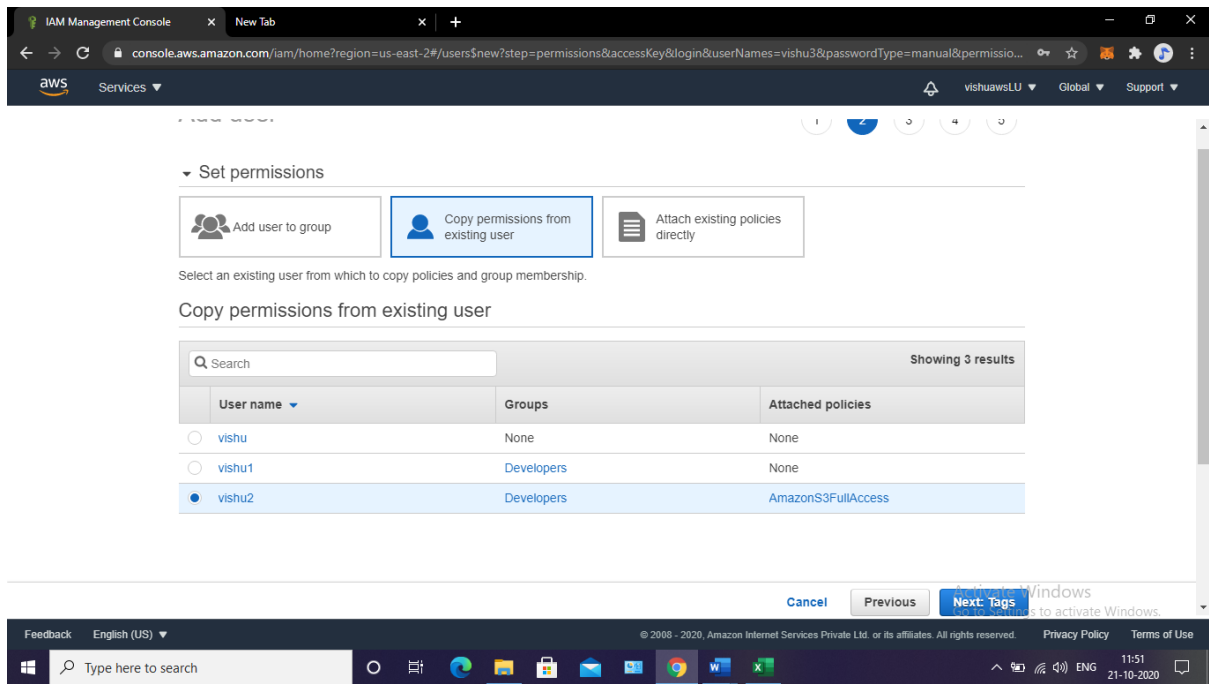


## 5: Add user to a group and check if User policy and the Group policy is reflecting on the user.





**6: Copy policies from the existing user.**



Identity and Access Management (IAM)

Users > vishu3

### Summary

**User ARN** am:aws:iam::255576724072:user/vishu3

**Path** /

**Creation time** 2020-10-21 11:51 UTC+0530

**Permissions** **Groups (1)** **Tags** **Security credentials** **Access Advisor**

[Add user to groups](#)

Group name	Attached permissions
Developers	AmazonEC2FullAccess

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S3 Management Console

s3.console.aws.amazon.com/s3/home?region=us-east-2#

We've temporarily re-enabled the previous version of the S3 console while we continue to improve the new S3 console experience. [Switch to the new console.](#)

### S3 buckets

[+ Create bucket](#)

6 Buckets 2 Regions

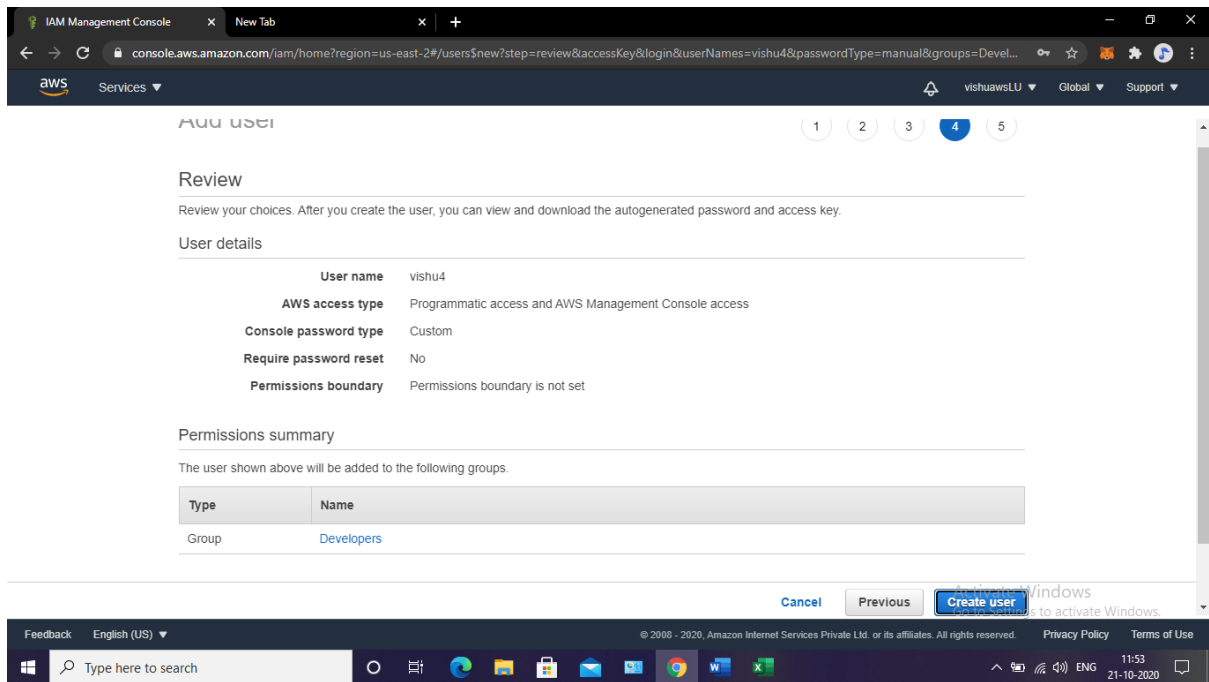
Bucket name	Access	Region	Date created
letsupgrade10	Objects can be public	US East (N. Virginia)	Oct 12, 2020 4:12:39 PM GMT+0530
letsupgrade11	Objects can be public	US East (N. Virginia)	Oct 10, 2020 12:48:07 PM GMT+0530
vishu1115	Objects can be public	US East (Ohio)	Oct 8, 2020 1:16:25 PM GMT+0530
vishus9496	Objects can be public	US East (Ohio)	Oct 8, 2020 11:50:17 AM GMT+0530
vishwa111	Bucket and objects not public	US East (N. Virginia)	Oct 12, 2020 4:33:07 PM GMT+0530
vishwanath12345	Objects can be public	US East (Ohio)	Oct 13, 2020 2:20:33 PM GMT+0530

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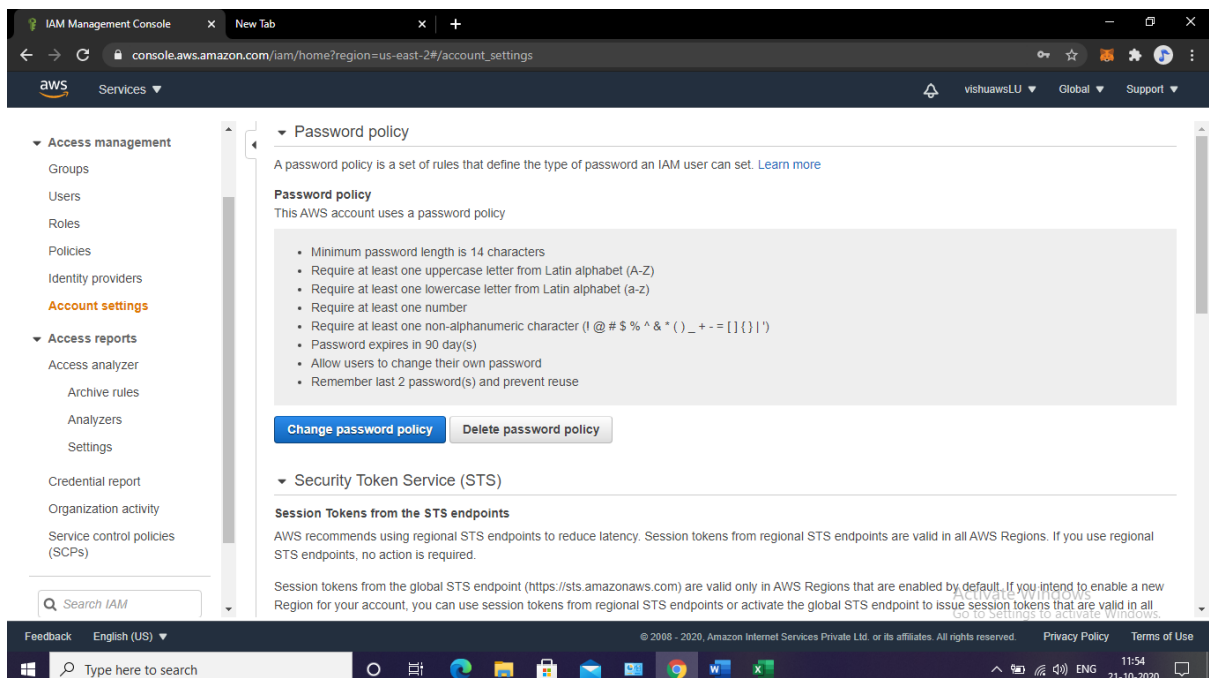
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**7: Add user to a group in the process of creating a user.**



## 8: Setting a Password Policy.



## 9: Enabling MFA and using an MFA device.



