

# INTRODUCTION TO VIRTUALIZATION AND CLOUD COMPUTING

NAME- Shubhi Dixit

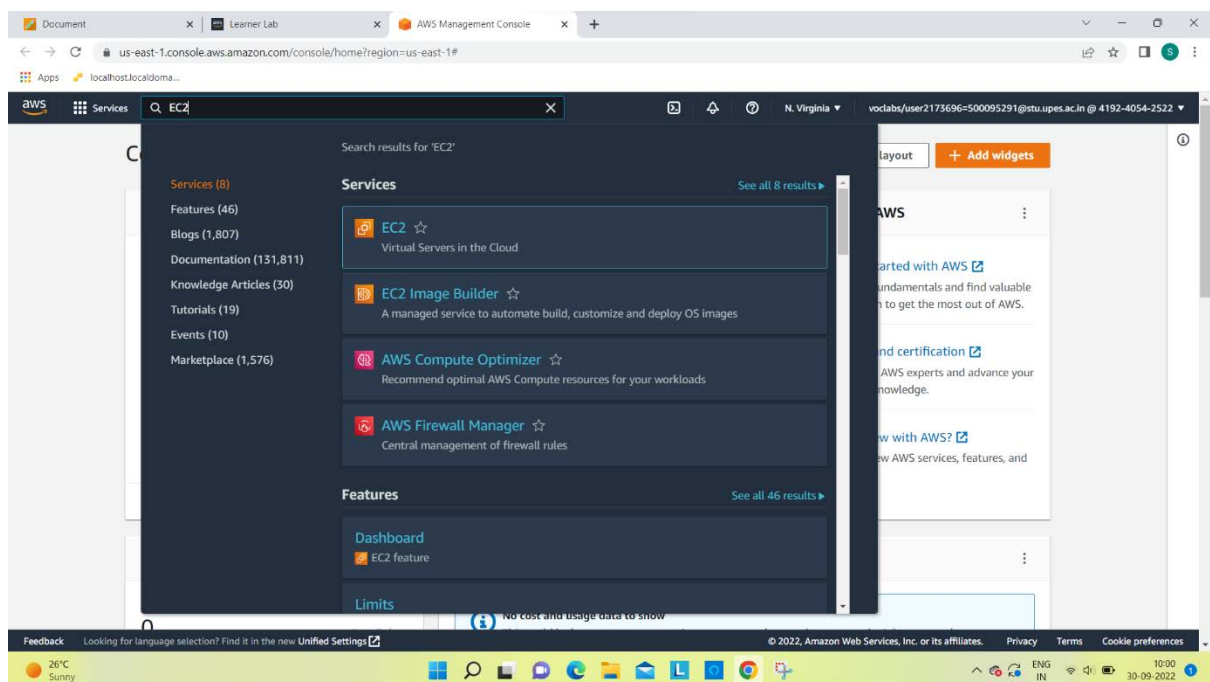
BATCH- 5

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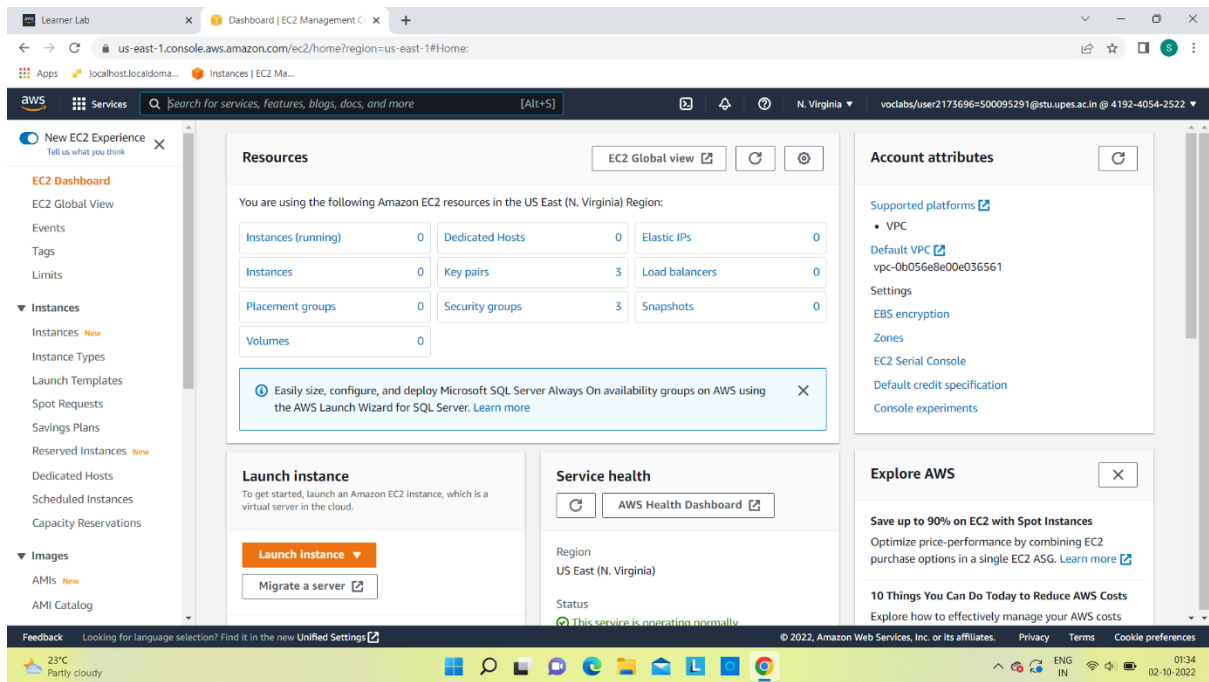
## Creating AWS Windows EC2 Instance and Connecting to it.

**Step1:** Open the Amazon EC2 console

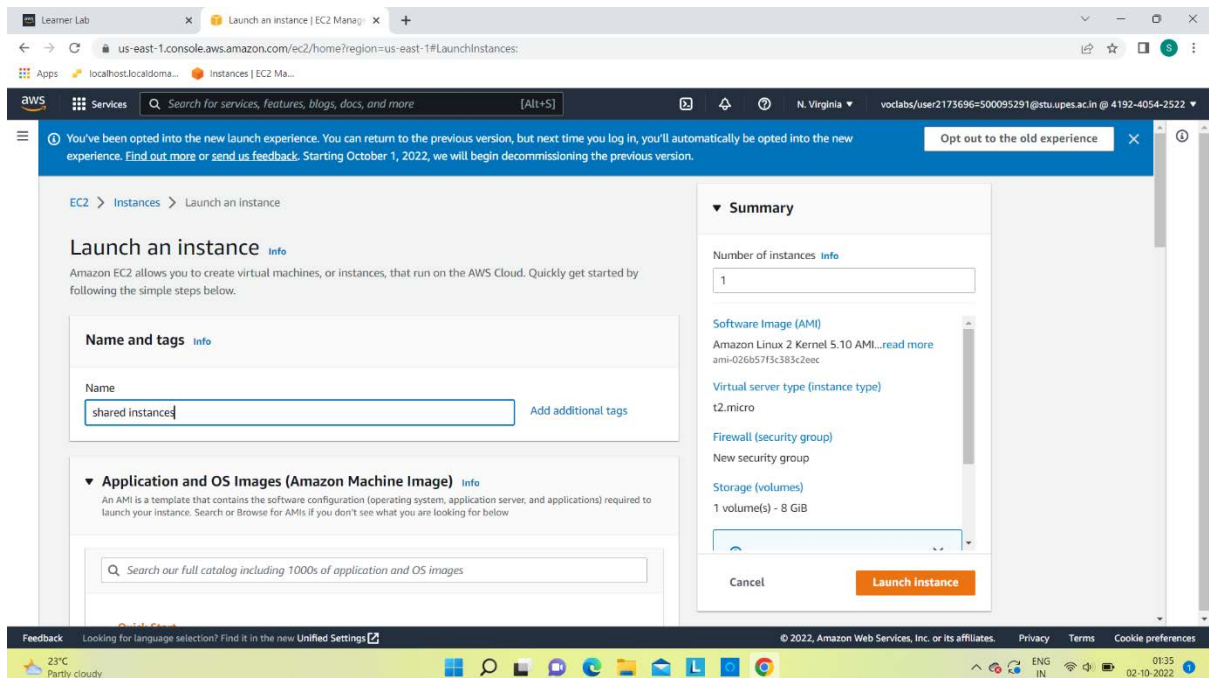
<https://console.aws.amazon.com/ec2/>



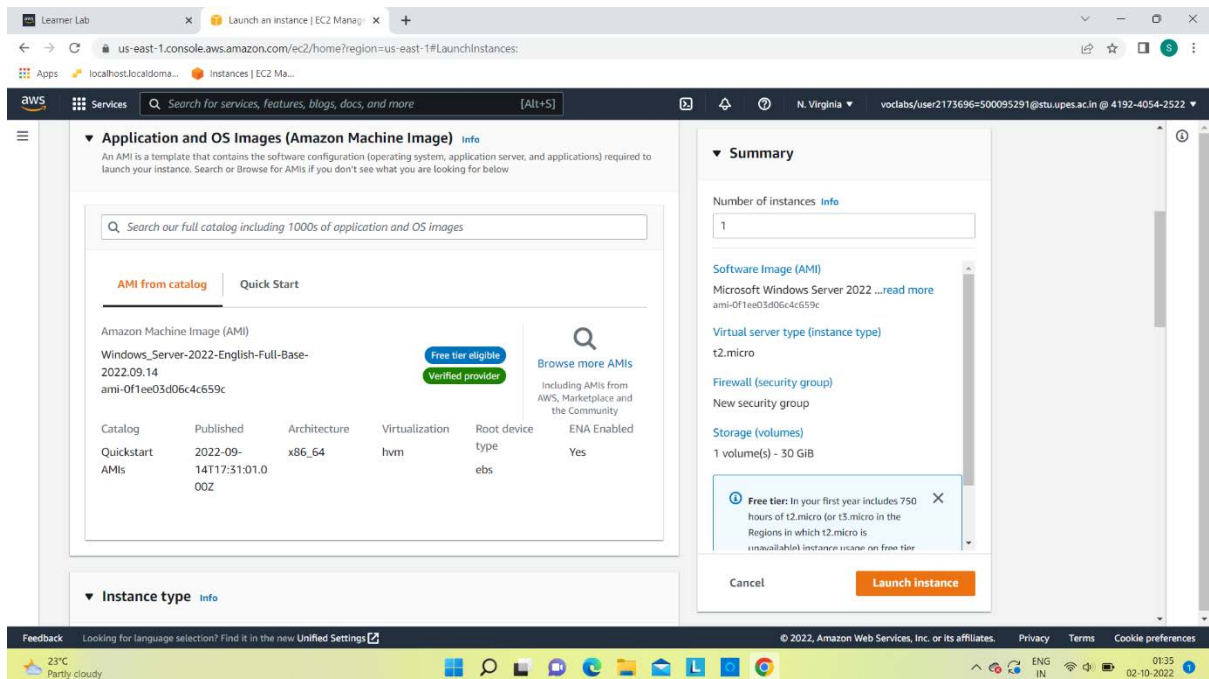
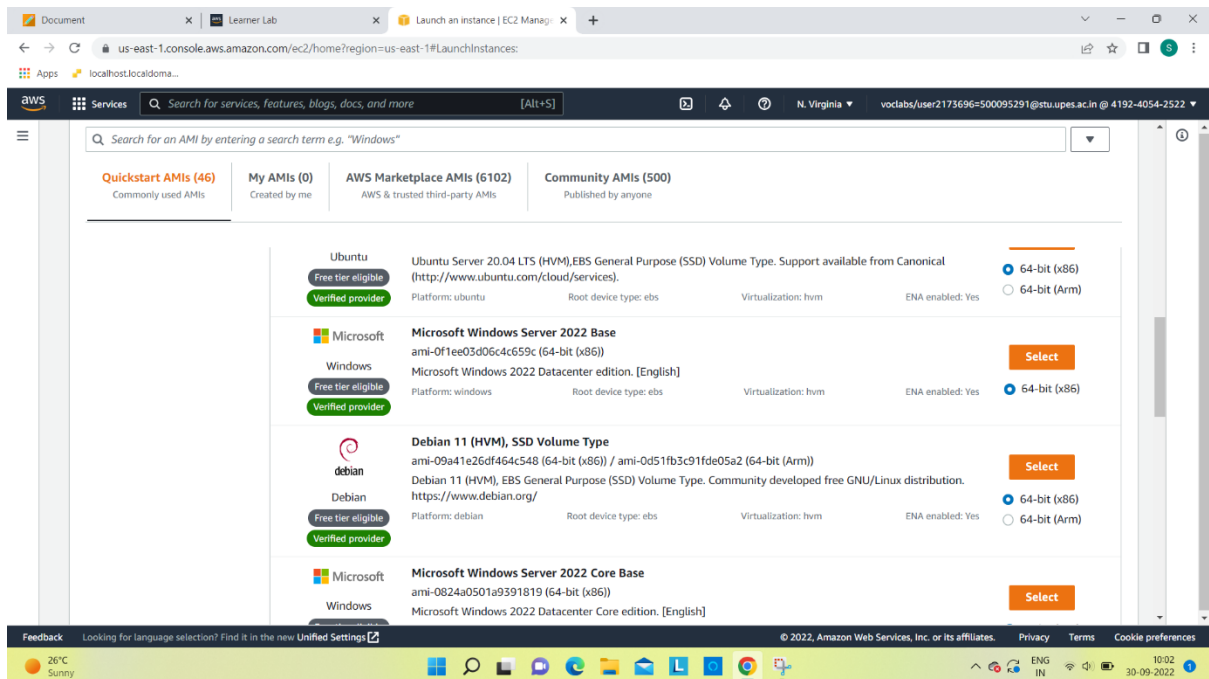
**Step 2:** From the console dashboard, choose Launch Instance.



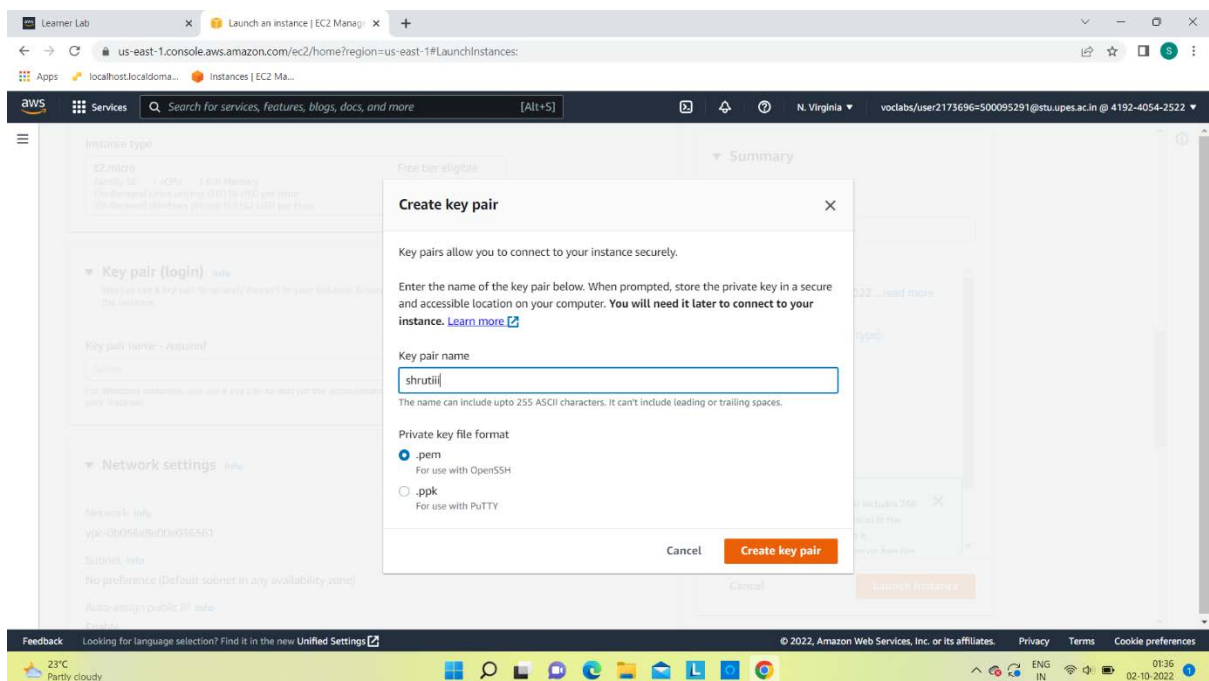
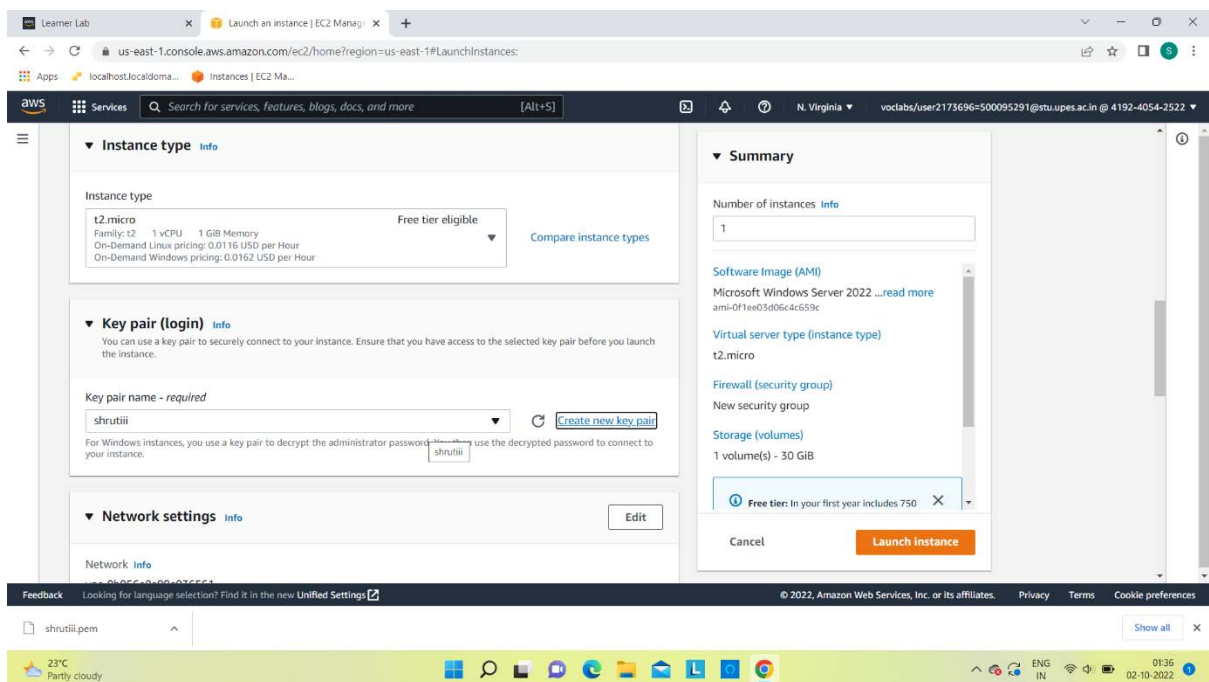
**Step3:** On Launch an instance page, write Name and tags of your instance.



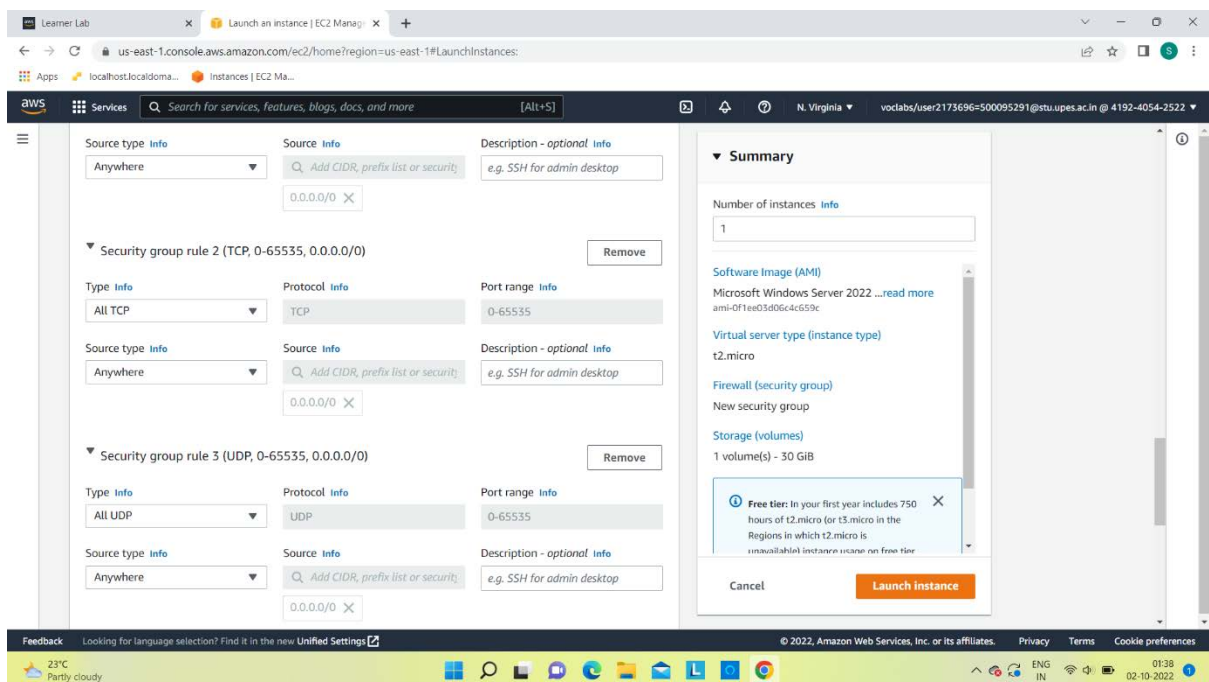
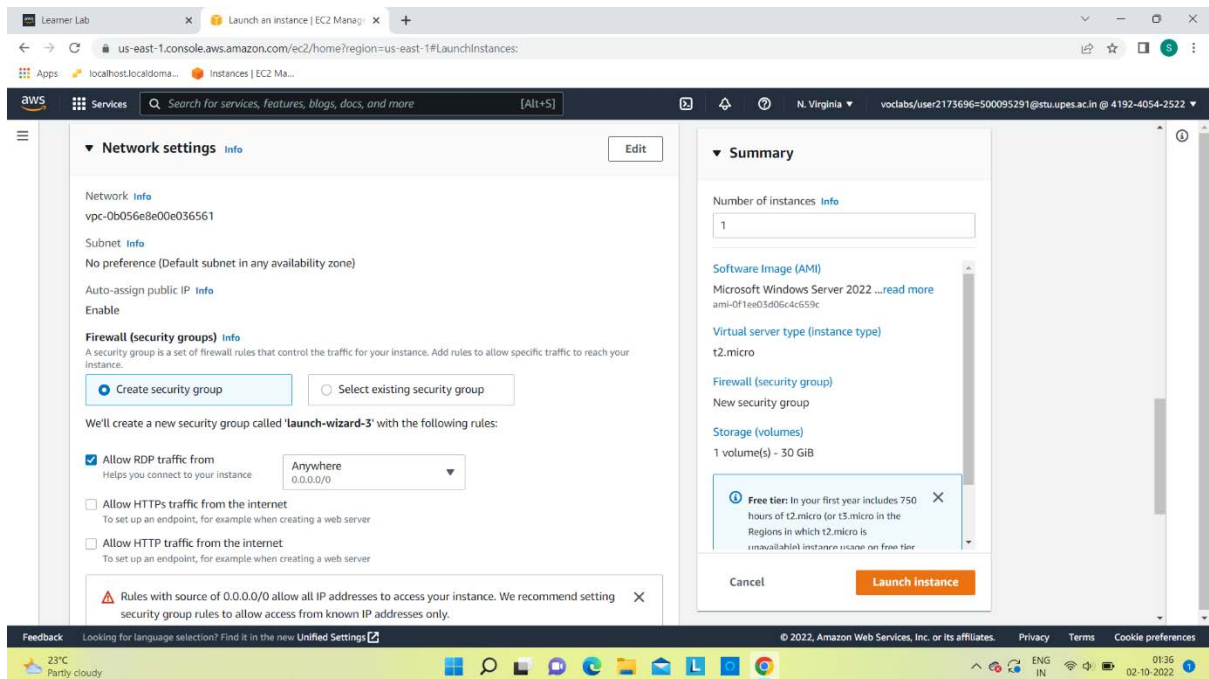
**Step4:** Choose an Amazon Machine Image (AMI). Select the AMI for “Microsoft Windows Server 2022 Base”. Ensure that these AMIs are marked "Free tier eligible”.



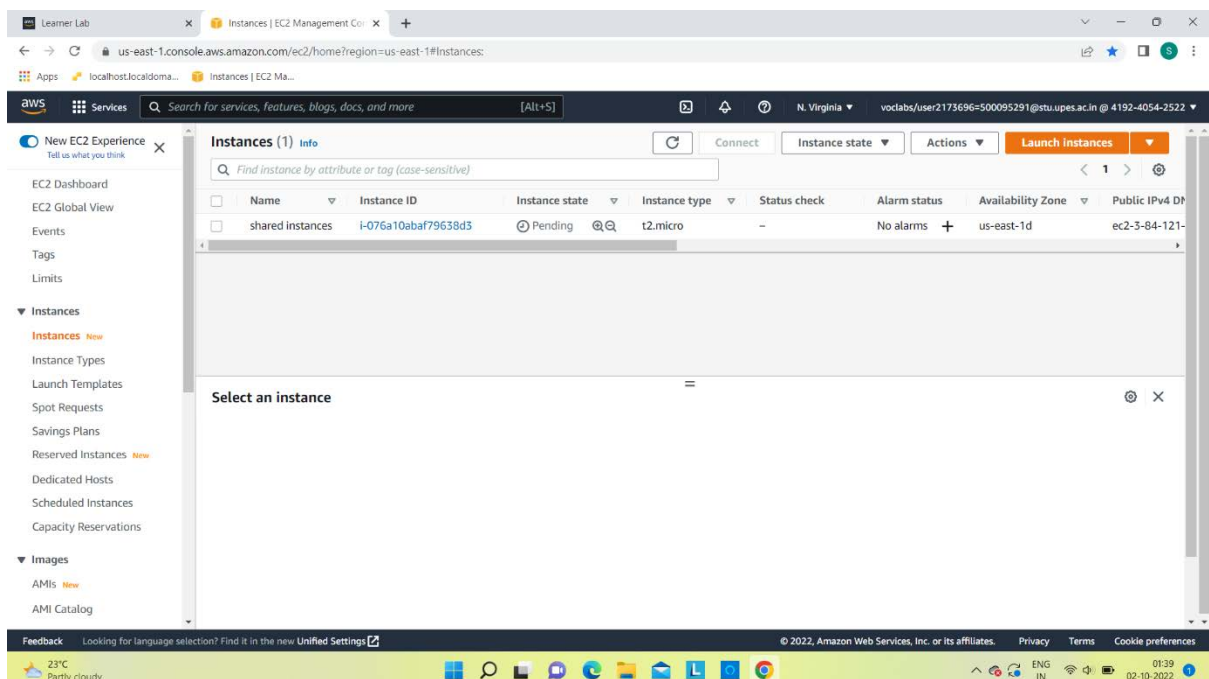
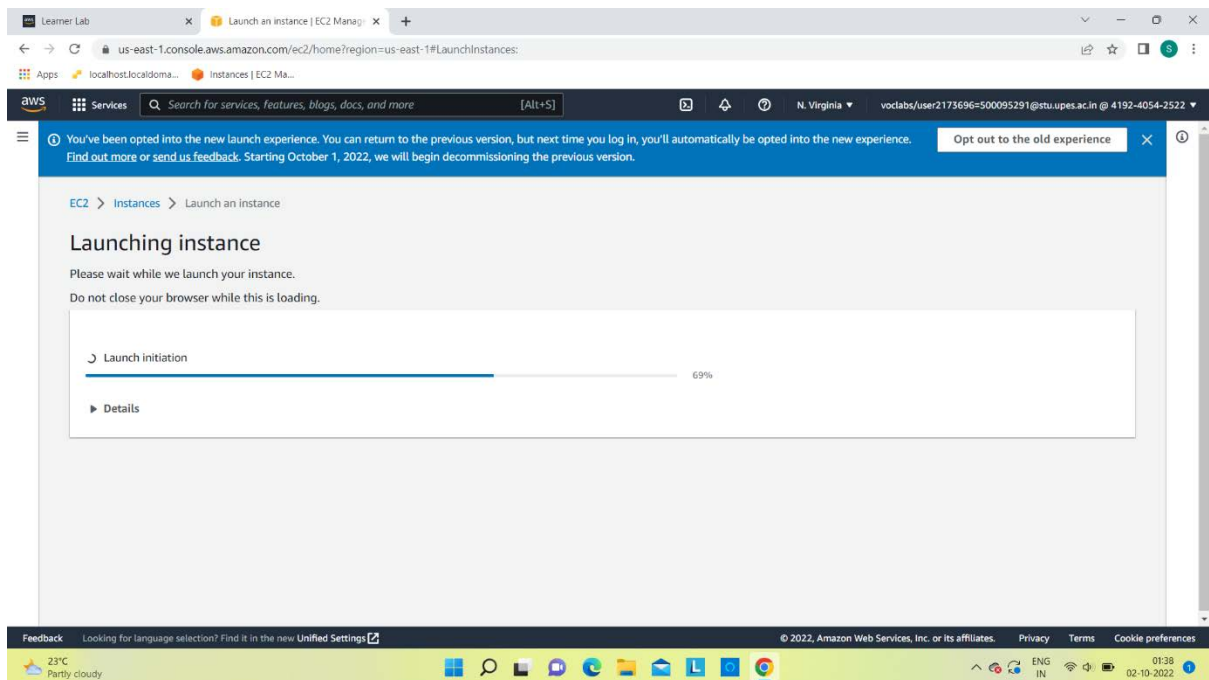
**Step5:** For a key pair, select “Create new key pair”, then give key pair name.



**Step6:** Click on Edit button then choose security group as “RDP, ALL TCP, ALL UDP”. Then click on Launch Instances.



## STEP7: Now instance is launching and showing instance state is pending.





**Step 8:** You will see that your instance is running after 2-3 minutes. Click on “connect”.

The screenshot displays the AWS Management Console interface for the 'us-east-1' region. The left-hand navigation pane includes sections for 'New EC2 Experience', 'EC2 Dashboard', 'EC2 Global View', 'Events', 'Tags', 'Limits', 'Instances', 'Images', and 'AMI Catalog'. The 'Instances' section is currently selected, showing a table with one instance: 'shared instances' with ID 'i-076a10abaf79638d3', in a 'Running' state, of type 't2.micro'. Above the table are buttons for 'Connect', 'Instance state', 'Actions', and 'Launch instances'. Below the table, the 'Details' tab for the selected instance is open, showing fields for Instance ID, IP addresses, Hostname type, and DNS information. The instance state is confirmed as 'Running'.

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 D
shared instances	i-076a10abaf79638d3	Running	t2.micro	-	No alarms +	us-east-1d	ec2-3-84-121-

**Instance: i-076a10abaf79638d3 (shared instances)**

**Details** | Security | Networking | Storage | Status checks | Monitoring | Tags

**Instance summary** info

Instance ID: i-076a10abaf79638d3 (shared instances)

Public IPv4 address: 3.84.121.230 | [open address](#)

Private IPv4 addresses: 172.31.27.189

IPV6 address: -

Instance state: Running

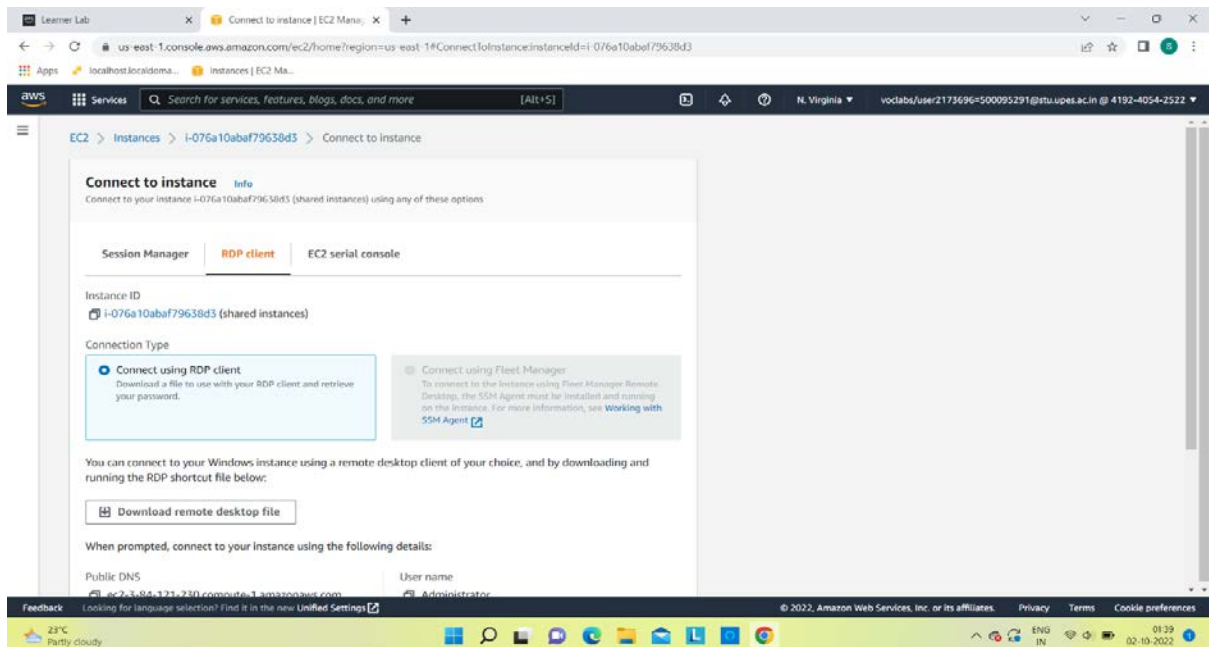
Public IPv4 DNS: ec2-3-84-121-230.compute-1.amazonaws.com | [open address](#)

Hostname type: IP name: ip-172-31-27-189.ec2.internal

Private IP DNS name (IPv4 only): ip-172-31-27-189.ec2.internal

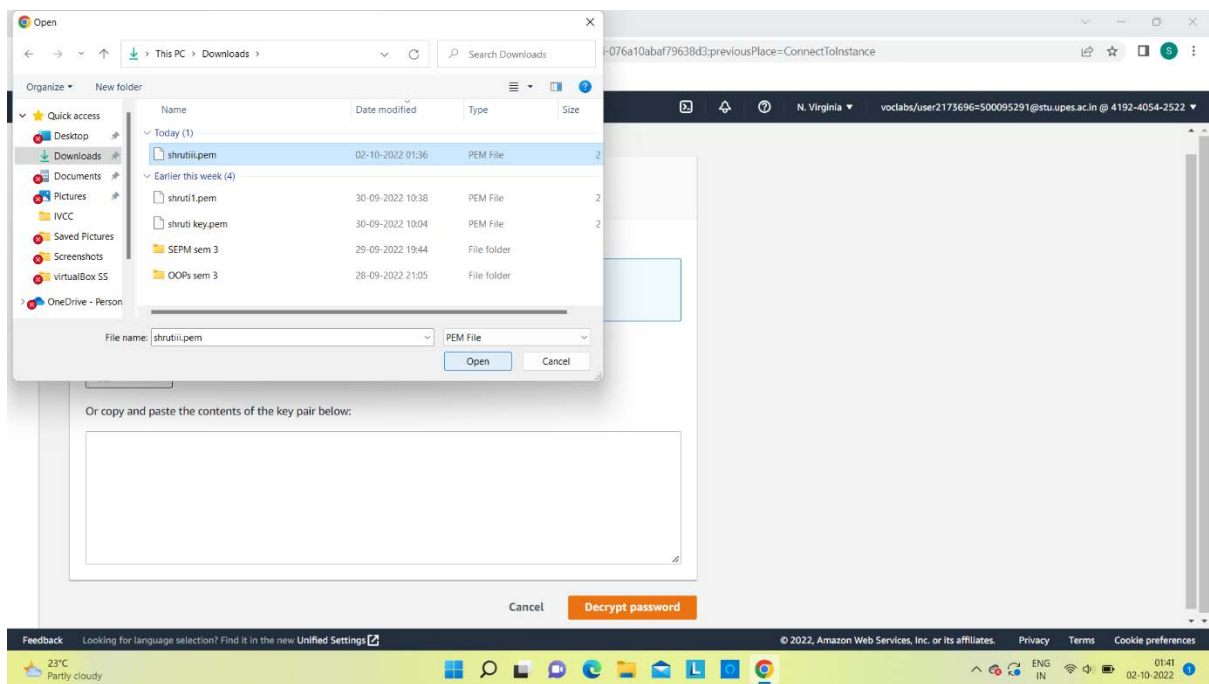
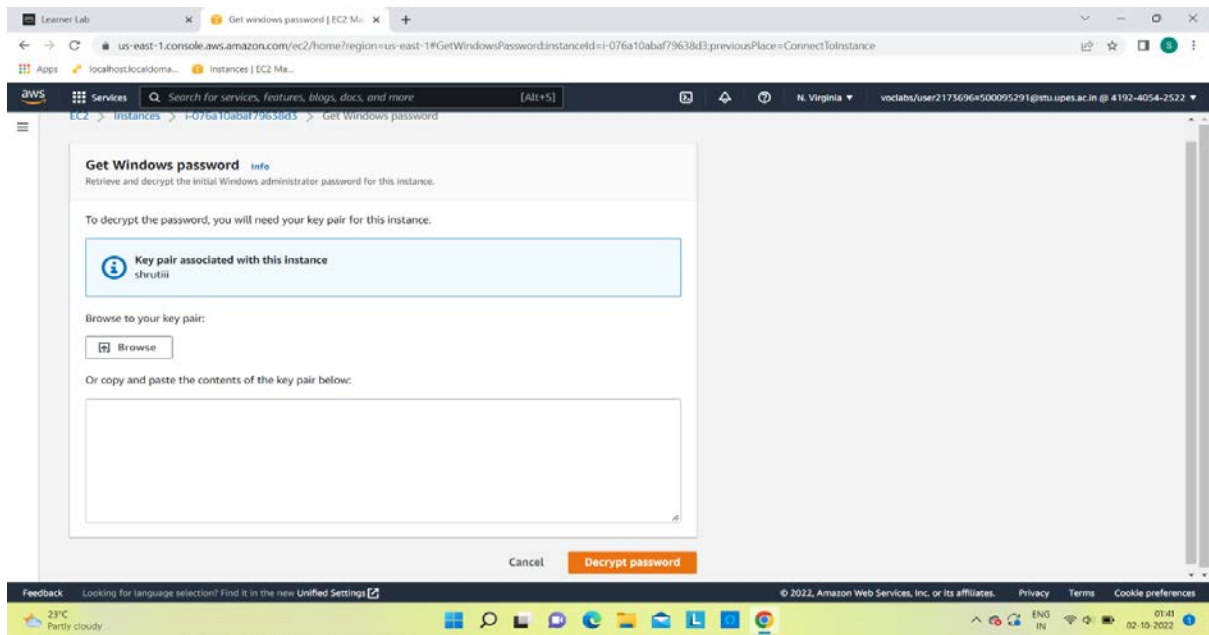
## To connect to your Windows instance using an RDP client

**Step9:** Click on “Download Remote desktop file” and click on “get password”.



**Step10:** Choose Browse and navigate to the private key file you created when you launched the instance. Select the file and choose Open to copy the entire contents of the file into the Contents field.





**Step11:** Choose Decrypt password. You will get the password then copy it.

Get windows password | EC2 Ma...  
us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#GetWindowsPassword:instanceId=i-076a10abaf79638d3;previousPlace=ConnectToInstance

Services Search for services, features, blogs, docs, and more [Alt+S]

### Get windows password

Retrieve and decrypt the initial Windows administrator password for this instance.

To decrypt the password, you will need your key pair for this instance.

**Key pair associated with this instance**

shrutiii

Browse to your key pair:

[Browse](#)

shrutiii.pem  
1.678KB

Or copy and paste the contents of the key pair below:

```
-----BEGIN RSA PRIVATE KEY-----
MIIEpAIBAAKCAQEAgRZSSRvm8hUWE+fmiccN54cXFVwdxjk86lPZlFmIRBafS
/t72mwi8Fb3l95cb5/jkF9jg3GXu2AdtBTfBuXgcleCmwSCRy/j53AUJHYcFT2Sq
EqZeYPFqBxZo1GP/WONLzKQobolOMbY8mhlLhoMz7WgBG9VGcxq9R4LyNqBJ53/Q
DRIRqj3kGhlnmOODBcNrsHnUyJJfVrmsRjXRooNy/G5MtNv7LzNVJymZppO
6+/t+unekqJUL9UUYtaozTMXqqooTQeJ0ZJJCvTASHLQe2vhelOOOyqqkFrgEd7I
xbrgAkixNhaVvb52CvMoxRttwSverChk/KiwlDAQABAolBAQCLPVqLzhV08C2k
N9BwH7cE3KZoAUj9iTYfTz49SznVtGFqz5CTal5QbErB5MRbB8ekprLzymQAb
-----
```

[Cancel](#) [Decrypt password](#)

Feedback Looking for language selection? Find it in the new Unified Settings

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23°C Partly cloudy

Connect to instance | EC2 Mana...  
us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#ConnectToInstance:instanceId=i-076a10abaf79638d3

Services Search for services, features, blogs, docs, and more [Alt+S]

Instance ID  
i-076a10abaf79638d3 (shared instances)

Connection Type

**Connect using RDP client**

Download a file to use with your RDP client and retrieve your password.

**Connect using Fleet Manager**

To connect to the instance using Fleet Manager Remote Desktop, the SSM Agent must be installed and running on the instance. For more information, see [Working with SSM Agent](#)

You can connect to your Windows instance using a remote desktop client of your choice, and by downloading and running the RDP shortcut file below:

[Download remote desktop file](#)

When prompted, connect to your instance using the following details:

Public DNS	User name
ec2-3-84-121-230.compute-1.amazonaws.com	Administrator
Password	
<a href="#">Password copied</a> @.b19Jd09W=	

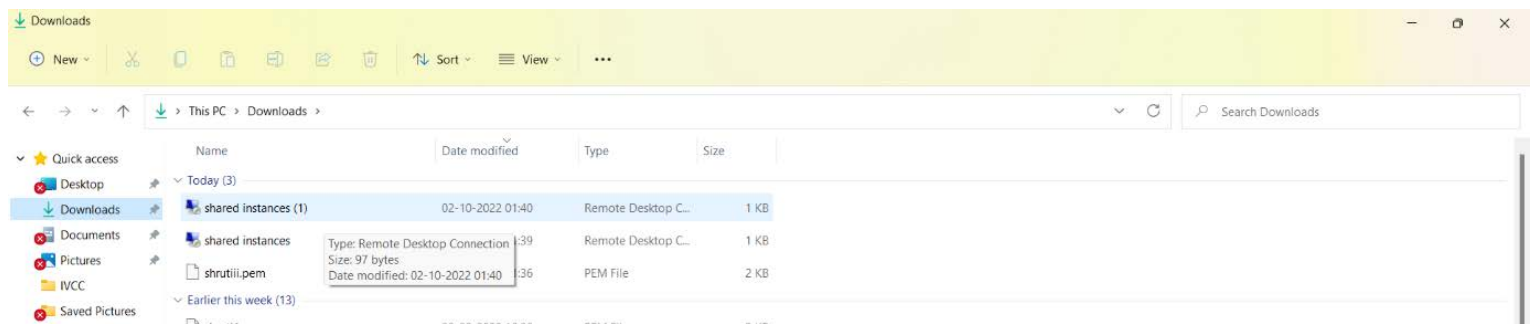
If you've joined your instance to a directory, you can use your directory credentials to connect to your instance.

Feedback Looking for language selection? Find it in the new Unified Settings

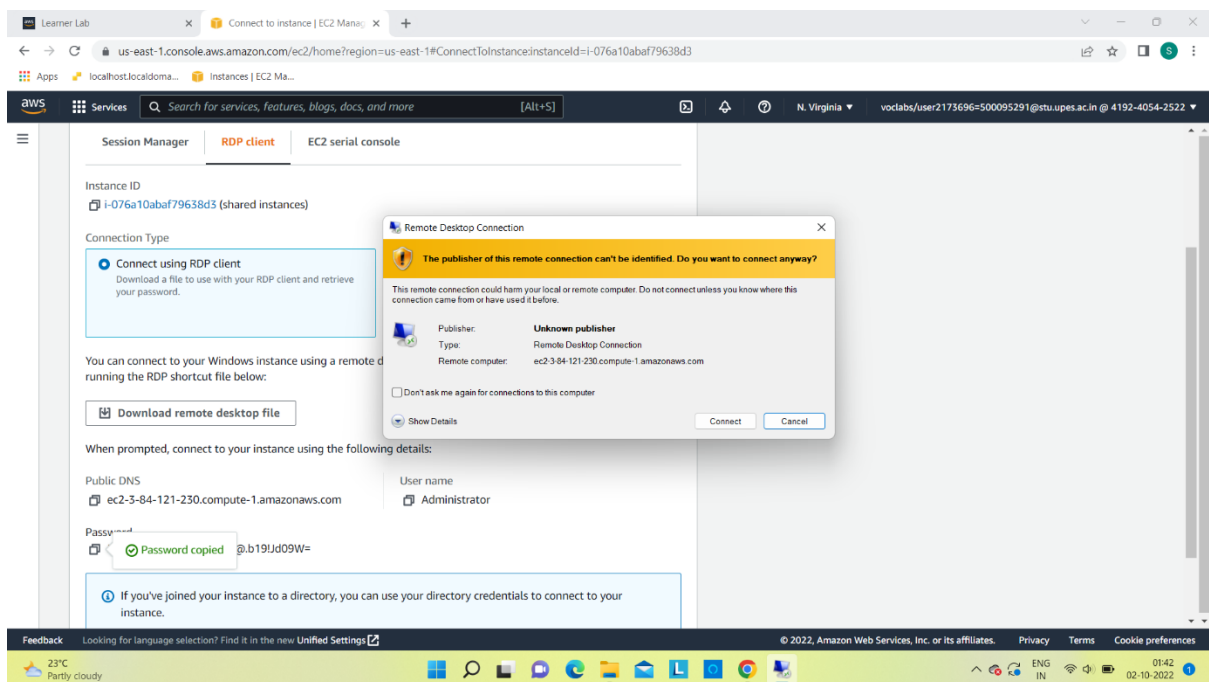
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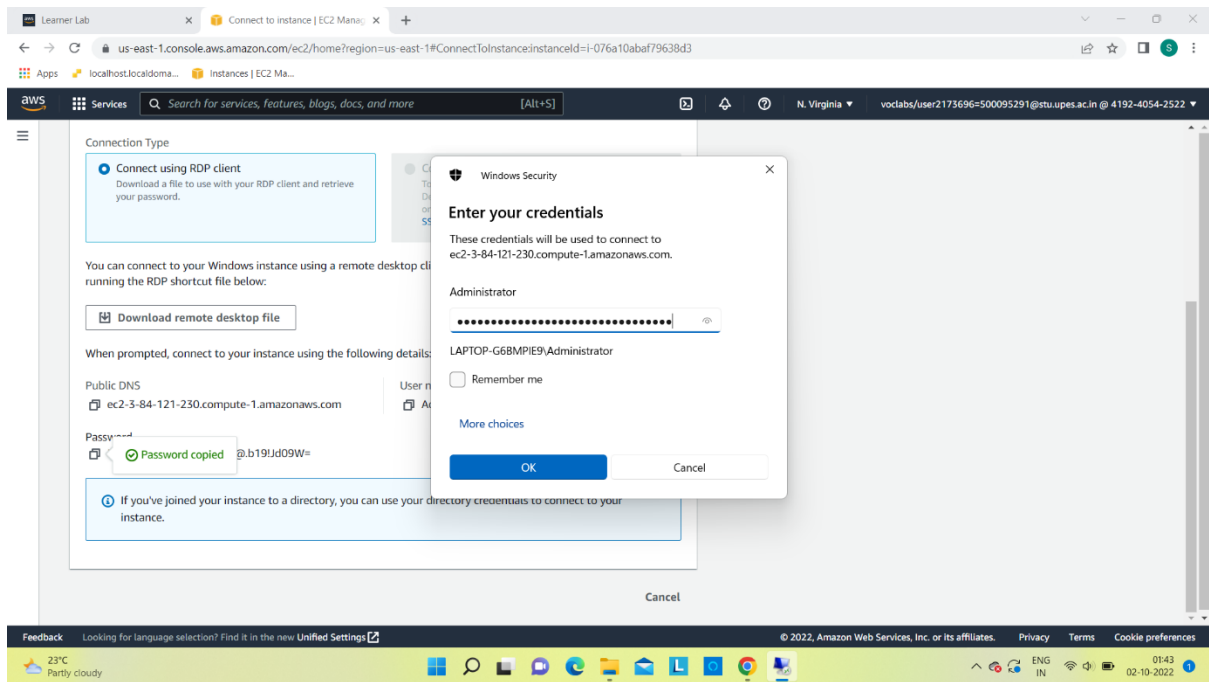
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**Step12:** Open the Remote Desktop connection that you downloaded.

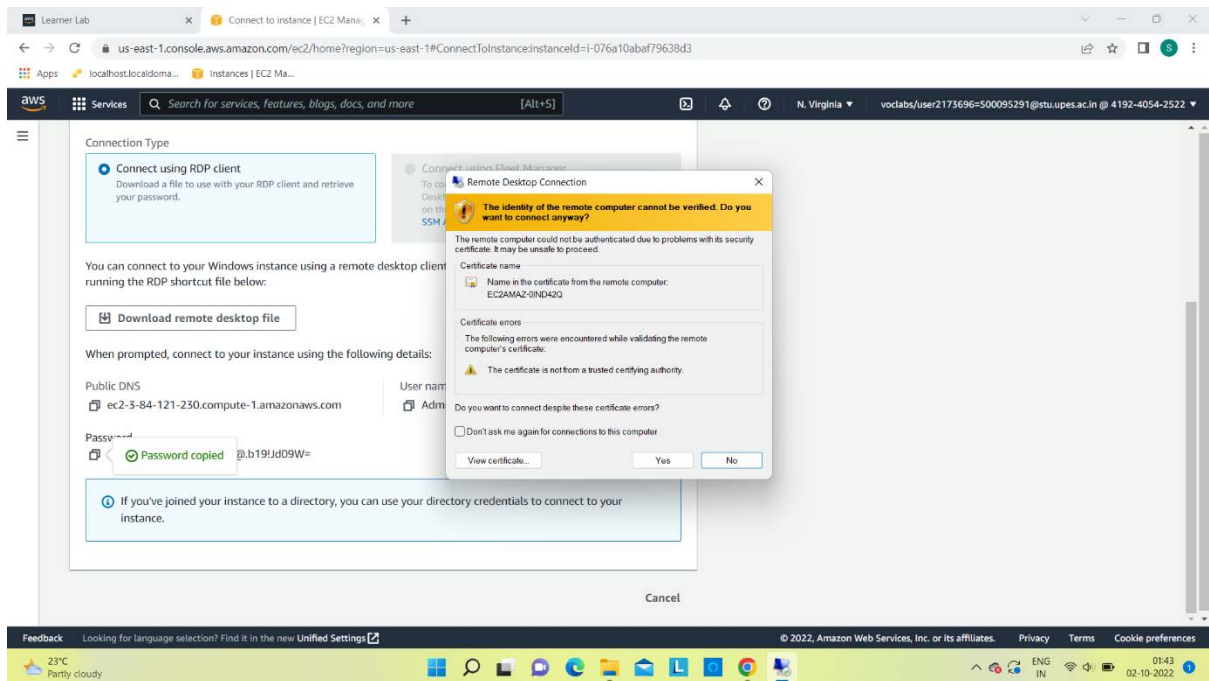


**Step13:** Click on “Connect” button and paste the password and then click “ok” button.

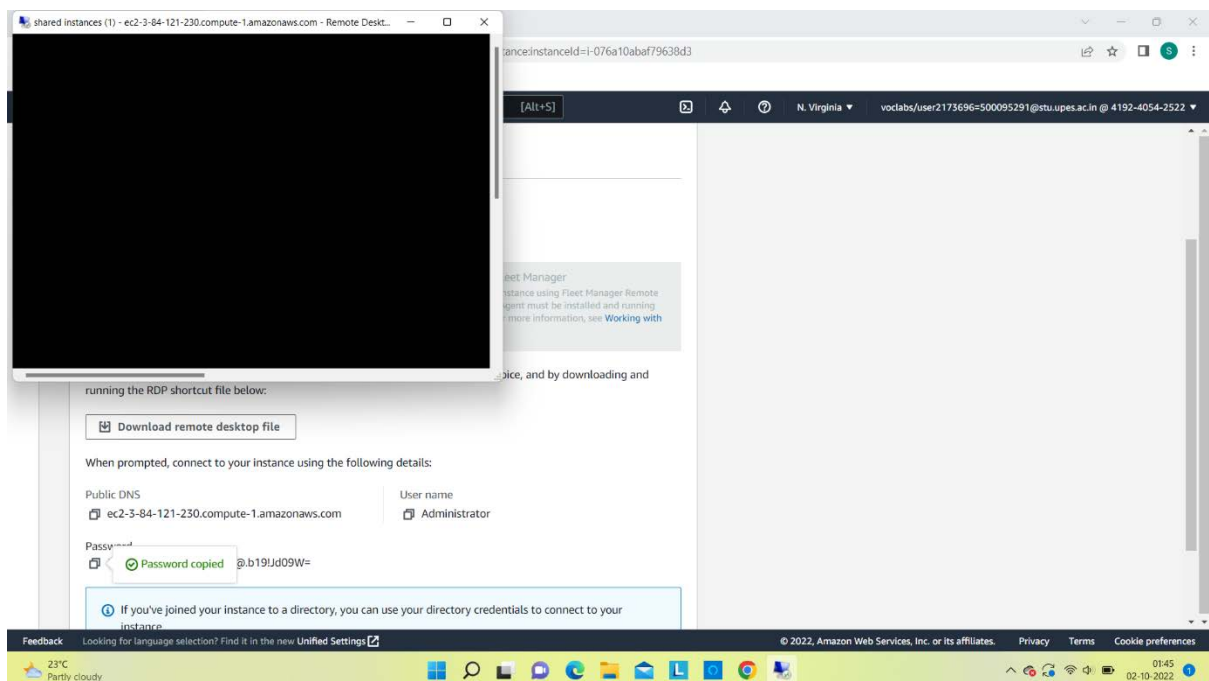
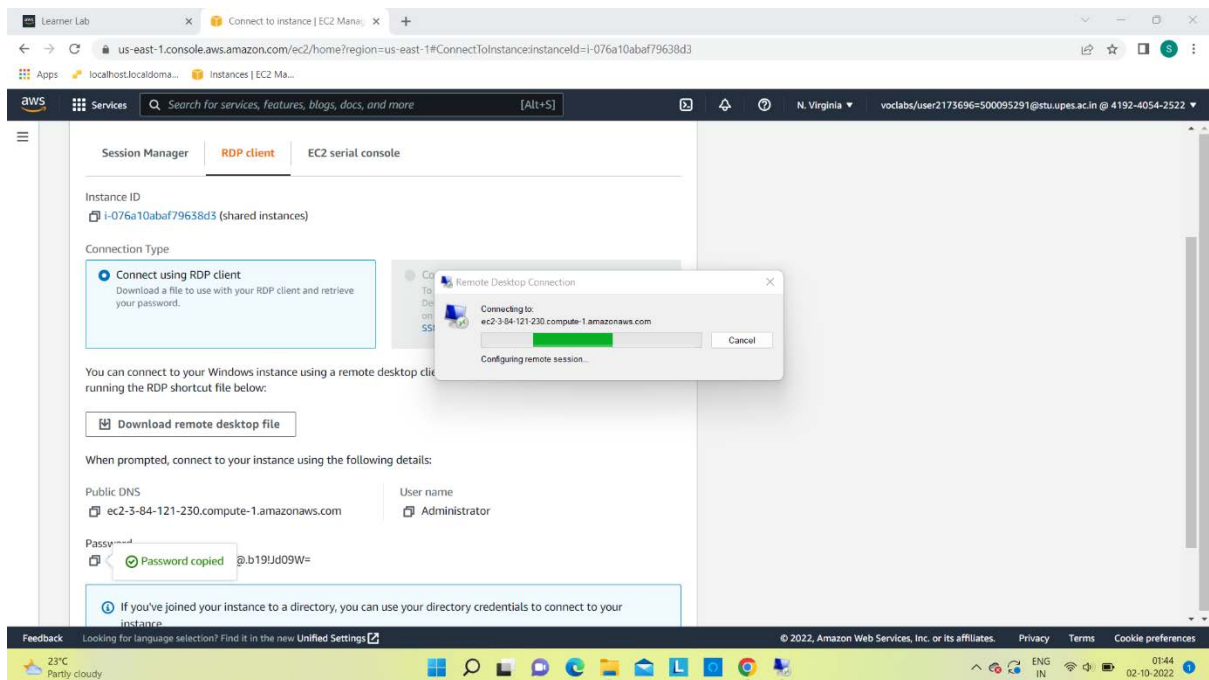




**Step 14:** Due to the nature of self-signed certificates, you may get a warning that the security certificate could not be authenticated



**Step 15:** Click on Yes Option and you will be redirected to your windows server.



## Windows instance-

