

Practical-1 Infrastructure as a service using AWS

Name: Anshika Sharma

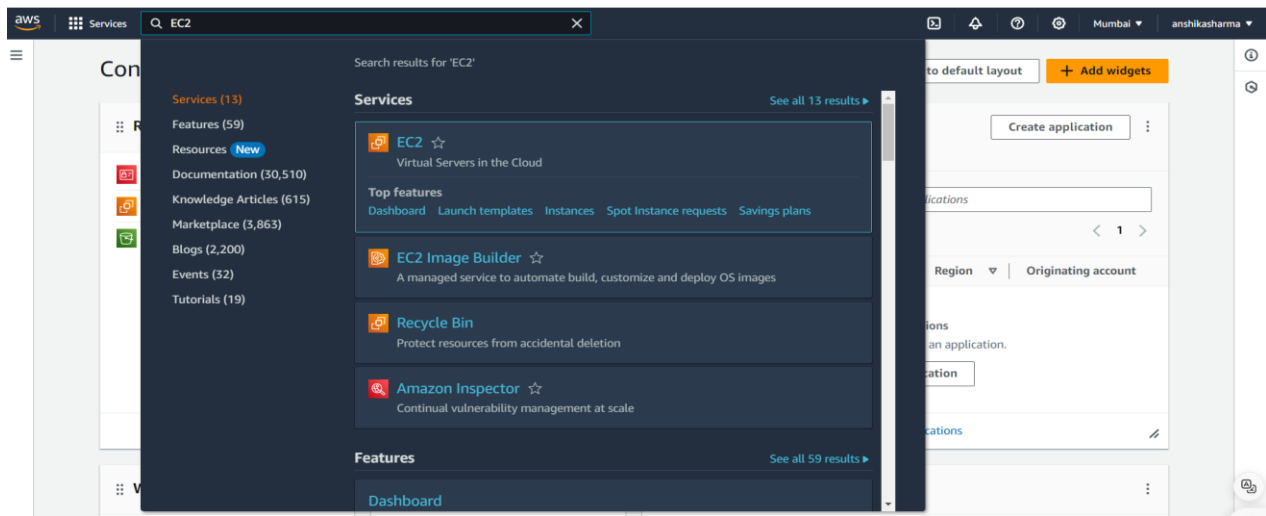
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Roll No: A061

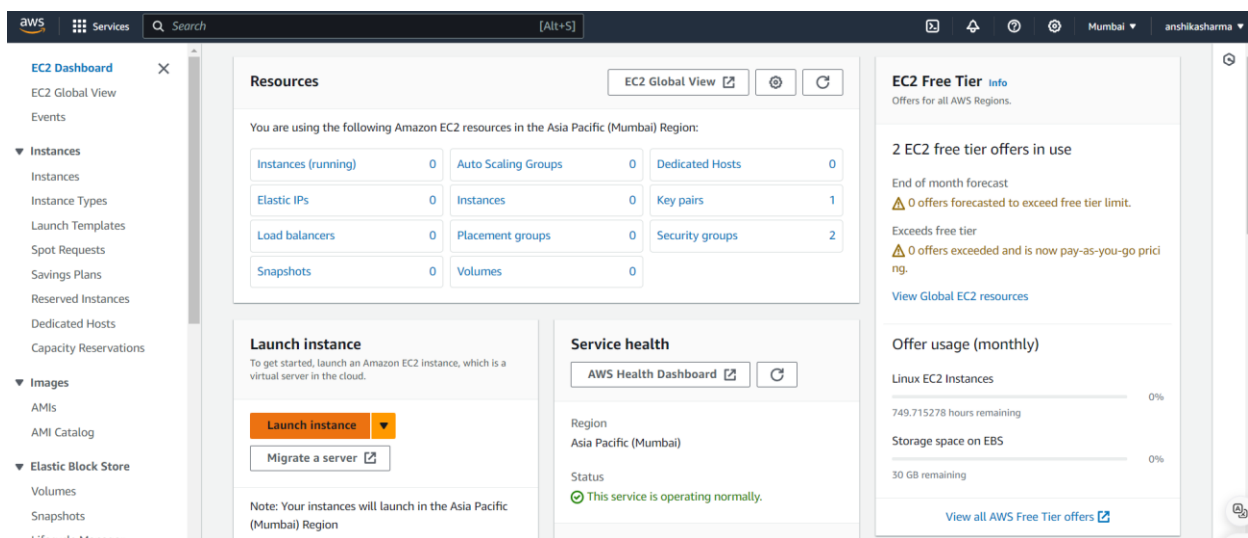
Ques 1:

For windows:

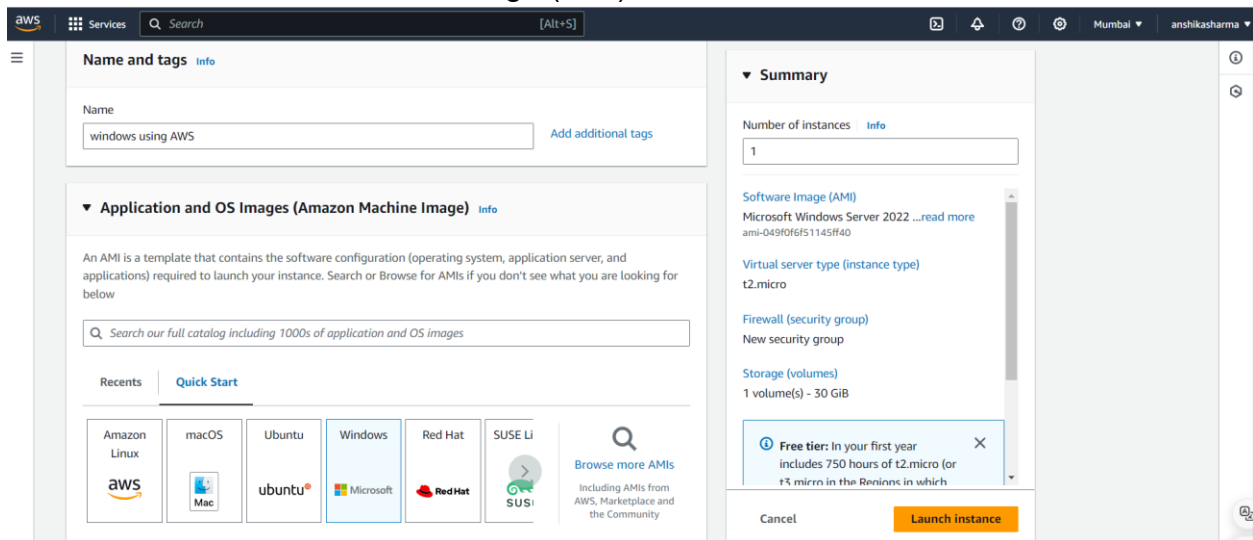
1. Launch an EC2 Instance: Navigate to the EC2 Dashboard.



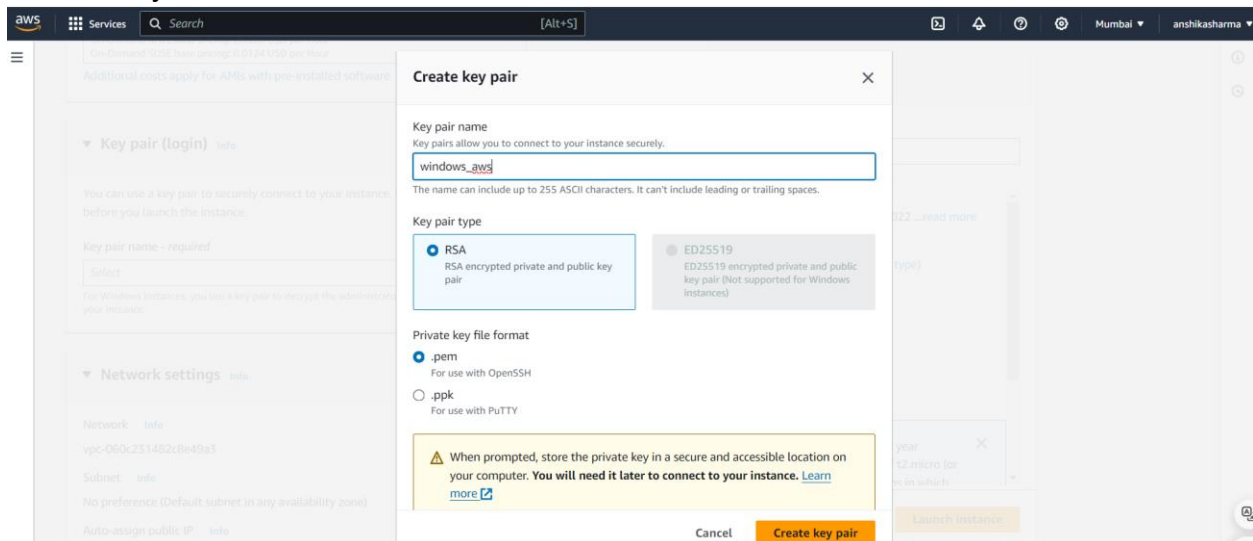
2. Click on "Launch Instance".



3. Choose an Amazon Machine Image (AMI): Select a Windows AMI.



4. Review and Launch: • Review your settings and click "Launch". • Select an existing key pair or create a new key pair. Download the key pair file (.pem), as you will need it to access your instance.

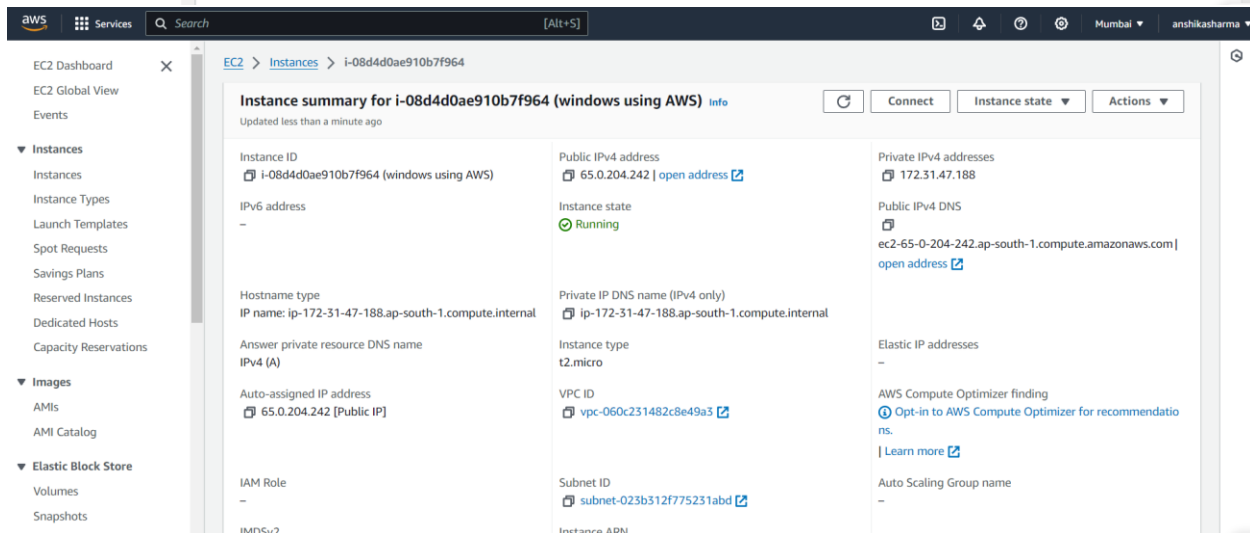
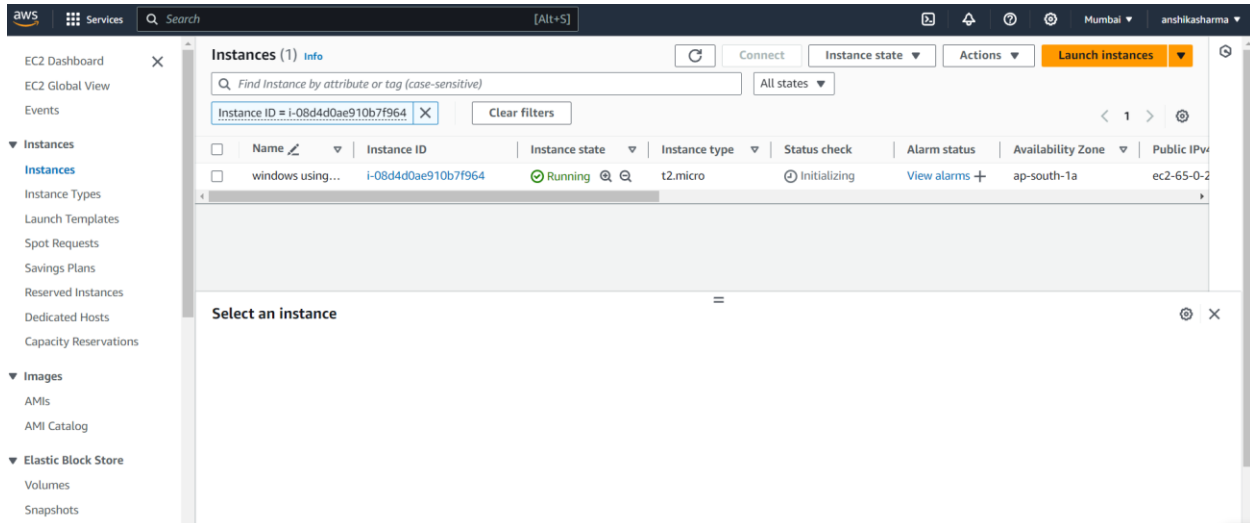


5. The instance has been launched successfully.

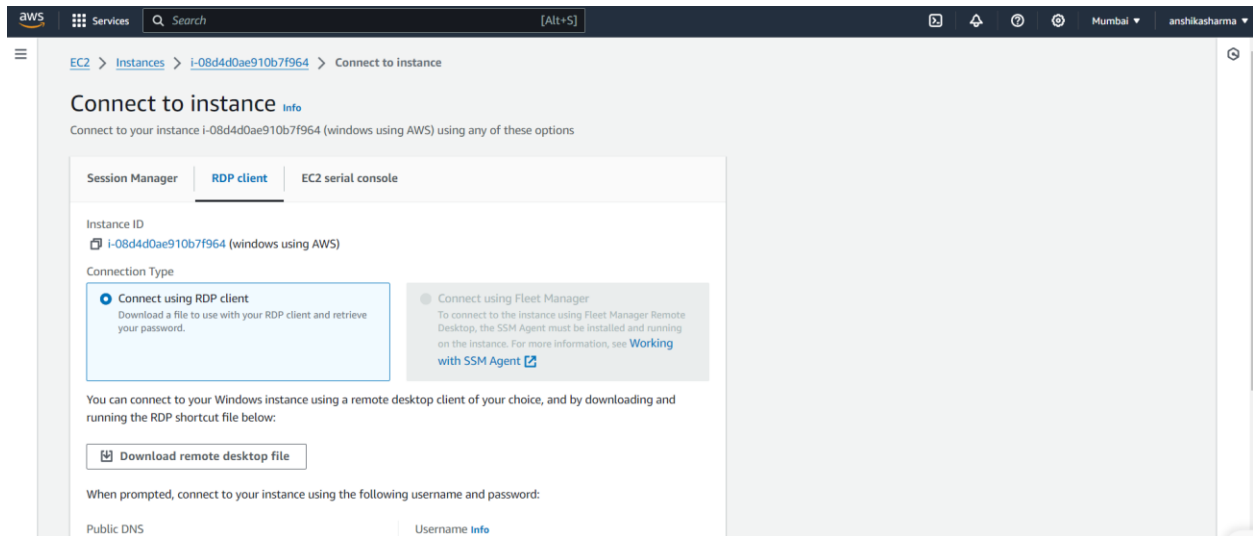
6. Connect to Your Instance:

After the instance status changes to "running", select the instance.

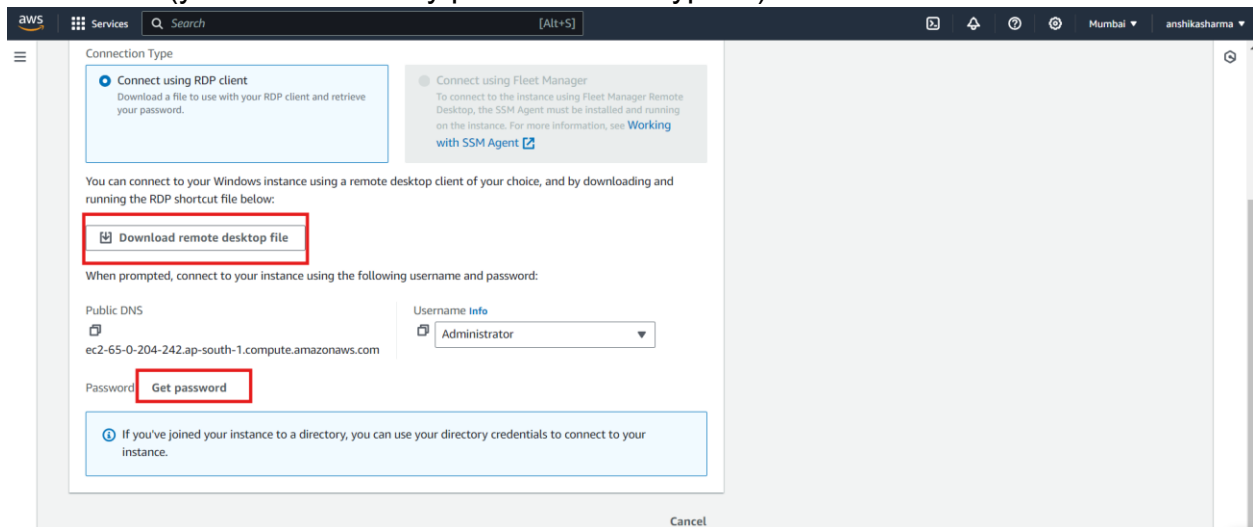
- Click on "Connect".



7. Click on "RDP client".



8. Download the Remote Desktop File and get the default password by clicking "Get Password" (you'll need the key pair file for decryption).



aws

Services

Search

[Alt+S]

Mumbai

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Get Windows password

Use your private key to retrieve and decrypt the initial Windows administrator password for this instance.

Instance ID
i-08d4d0ae910b7f964 (windows using AWS)

Key pair associated with this instance
windows_aws

Private key
Either upload your private key file or copy and paste its contents into the field below.

Upload private key file

Private key contents - optional

Private key contents

Cancel

Decrypt password

Anshika - Person

Attachments

Desktop

Documents

Pictures

Downloads

Documents

Pictures

Name	Date modified	Type	Size
Today			
windows_aws.pem	8/9/2024 8:19 PM	PEM File	
Last week			
ubuntu.day1.pem	8/1/2024 11:06 PM	PEM File	
Earlier this year			
archive (14)	4/19/2024 6:54 PM	File folder	
SC2 ML Practical Documentation	4/18/2024 8:31 PM	File folder	
BankChurners.csv	3/17/2024 9:48 PM	File folder	
workbook (1.1)	2/14/2024 8:30 PM	Excel Workbook	

File name: windows_aws.pem PEM File

Open

Cancel

Private key contents - optional

Private key contents

Cancel

Decrypt password

aws

Services

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Get Windows password

Use your private key to retrieve and decrypt the initial Windows administrator password for this instance.

Instance ID
i-08d4d0ae910b7f964 (windows using AWS)

Key pair associated with this instance
windows_aws

Private key
Either upload your private key file or copy and paste its contents into the field below.

Upload private key file

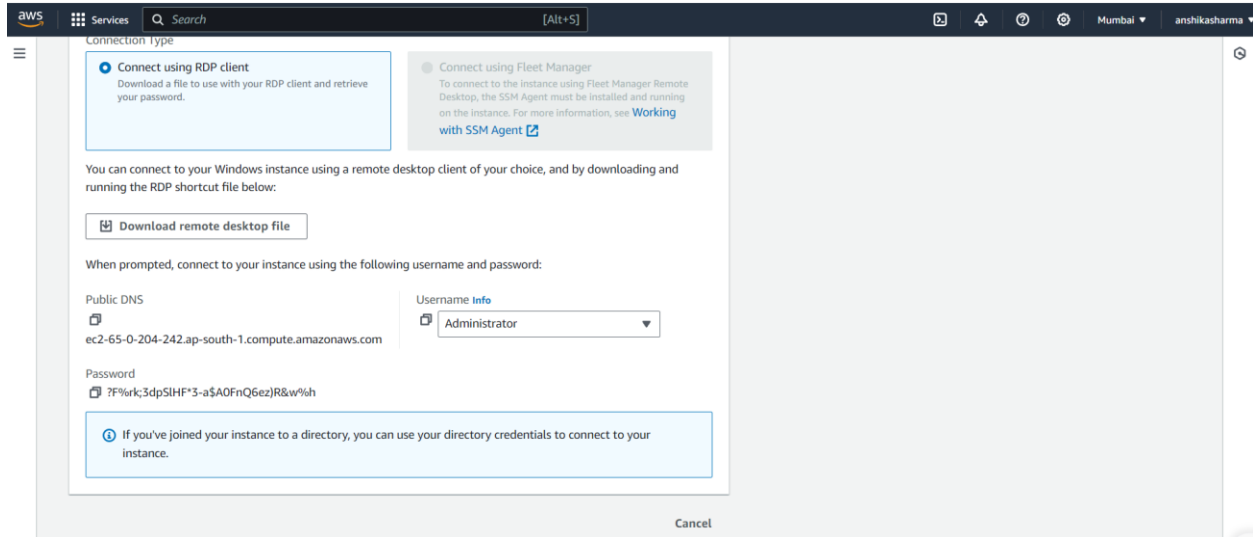
windows_aws.pem
1.674KB

Private key contents - optional

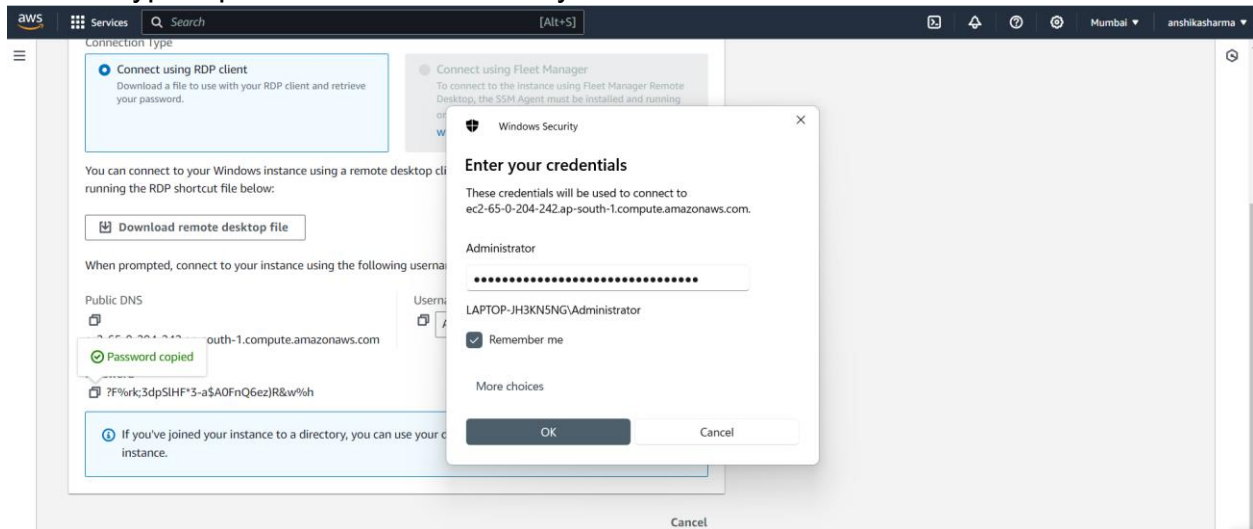
-----BEGIN RSA PRIVATE KEY-----
MIIeOwIBAAKCAQEAIIbXNWb/N7mxUtnMKc+KQwCwR3GFyzPmXOha0mhlkuPEUce8
09jSX+hzGQxYbQw6XX+NqqzjErB3tVzUtzBFtEo8JR9agDl5QJNFoGi3OIRJuy
MOvGV+4e+eEbmBOK2mScODddiMi1ij/9FHzQ8iwnYd3B5612X4BA+YqvaYkqC84
rBbOY6Gk5DTEHGezf0Jwpl2MQ4FOxVTY5YLCMHXR+Kl5ZzmsvmSJNPxZFC4WwFYs
KM08pTTBHAdKR6m70FAjHmjerTgyQKt97RpqPHAMEIR1XhJXdE1cNLHffIFMeA3
5Y03jQFQ4UpHuy4dh8JJaIvdf+mltwfPWAnetwIDAQABAolBAFgdW9/kOuRd1Jcu
2cAyZoxgy5+dKLgv7/i3mz5eOGy51jRb934EorqZt5eIN9nk7gBjjNxbANnS0Qd

Cancel

Decrypt password



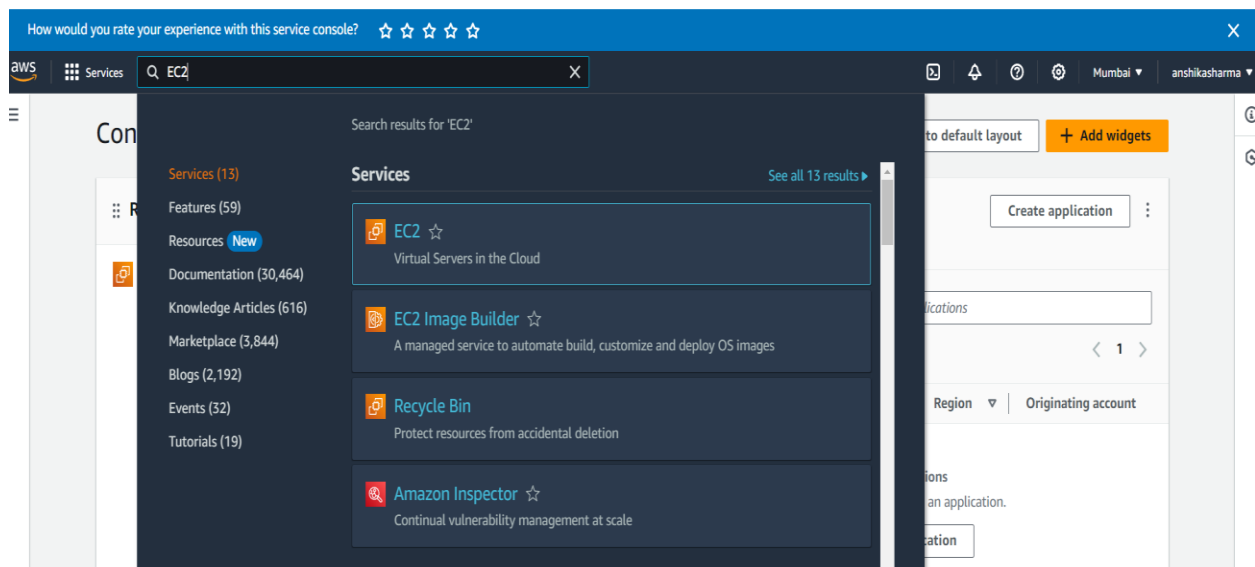
9. Open the downloaded Remote Desktop File and enter the administrator username and decrypted password to connect to your Windows instance.



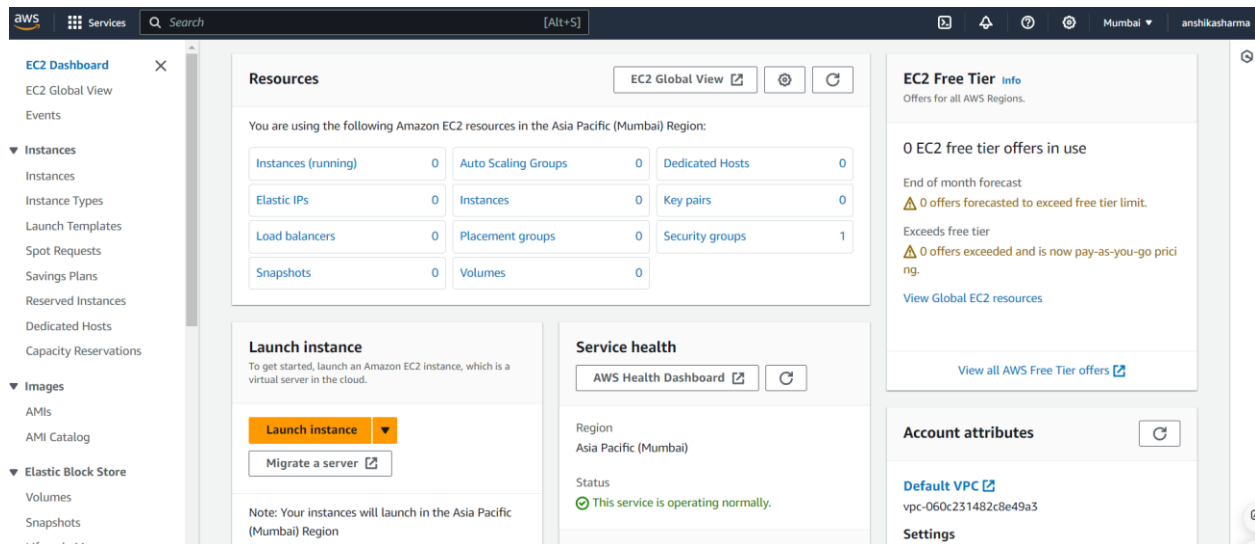
Ques 2:

For ubuntu:

1. Search for EC2 and Click on it.

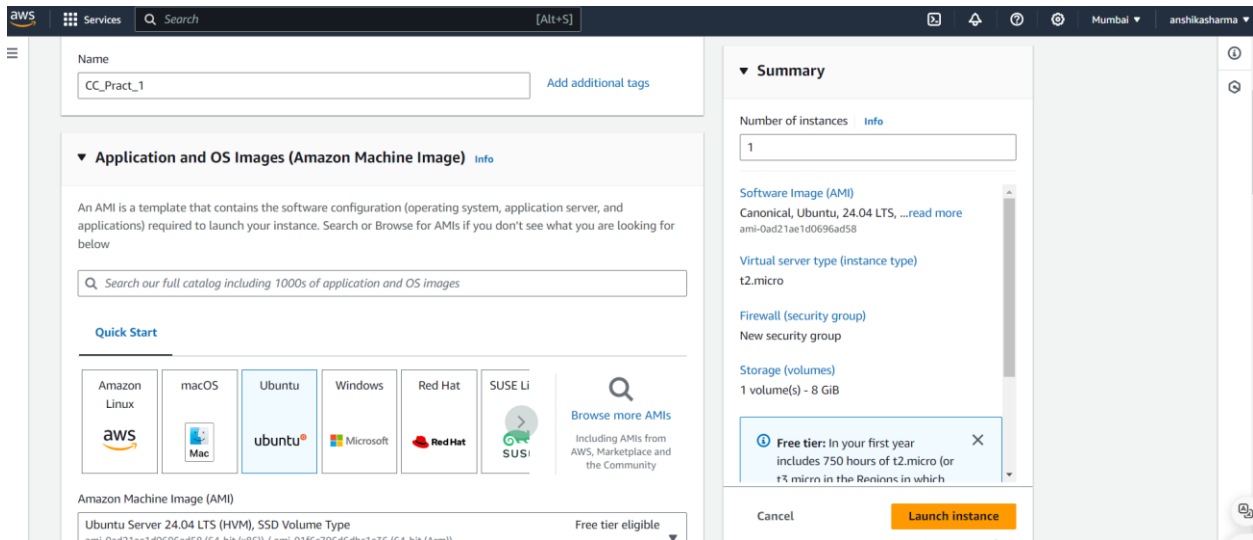


2. Select the Launch Instance in the EC2 dashboard.

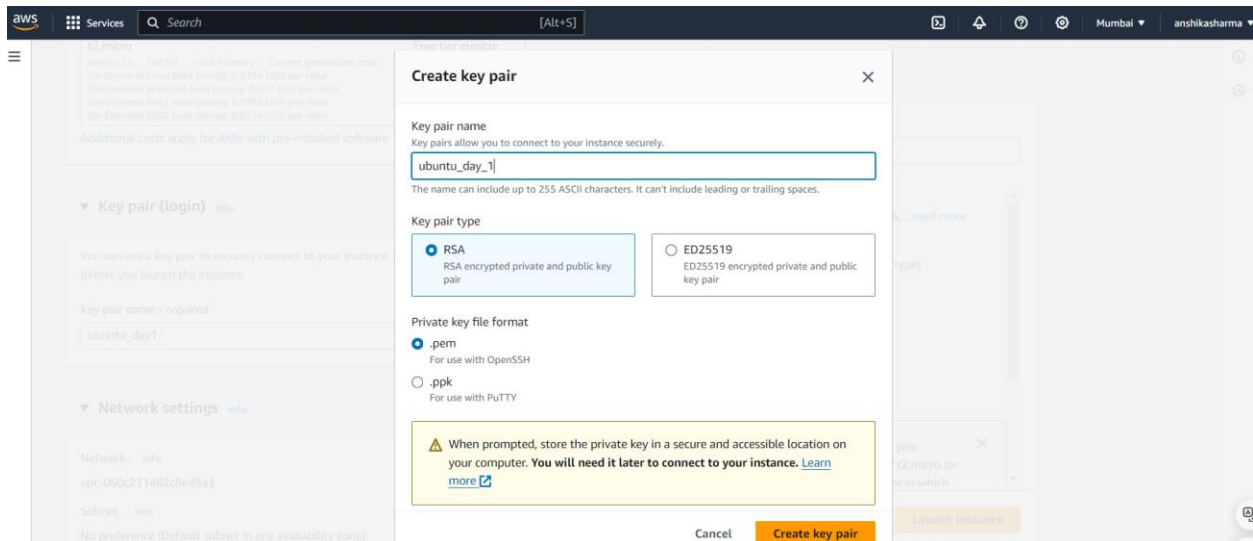


3. Name instance as "CC_Pract_1" and Choose an Amazon Machine Image (AMI)

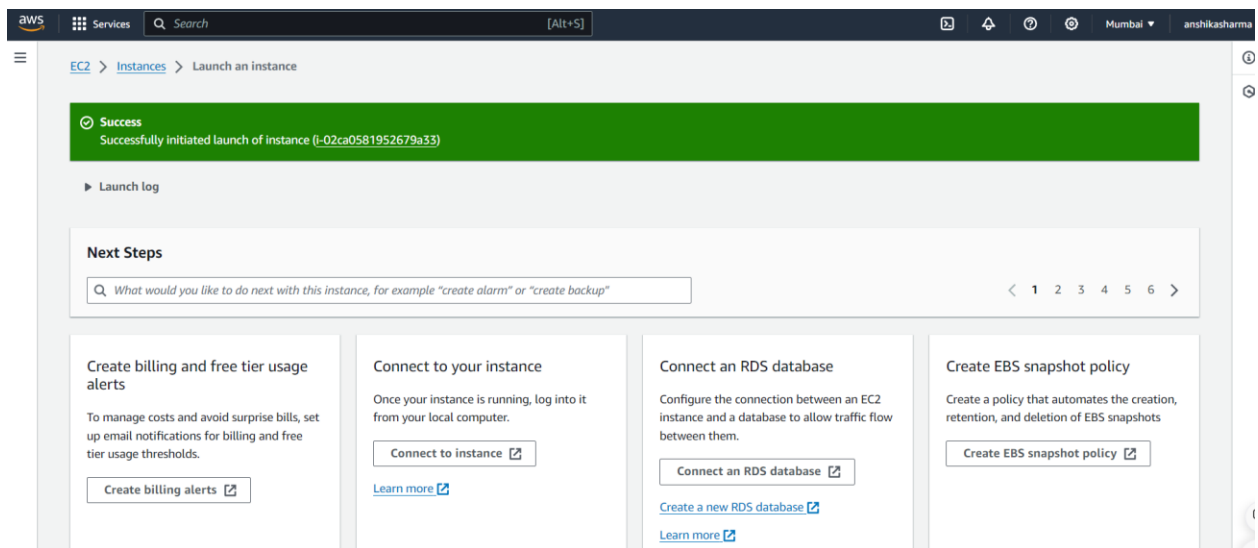
Select an Ubuntu AMI. Common choices include "Ubuntu Server 20.04 LTS" or "Ubuntu Server 18.04 LTS".



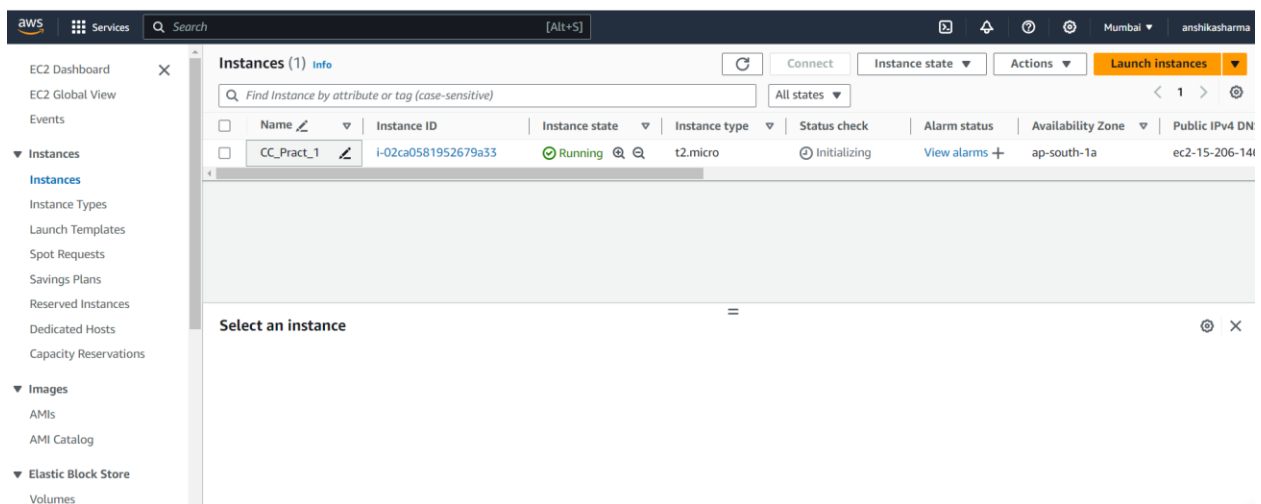
4. Give the new pair key as "ubuntu_day_1" and click on Create new pair key.



5. After clicking on launch instance, the instance gets launched successfully.



6. Instance "CC_Pract_1" is successfully created.



7. Click on connect and the Instance is launched.

The screenshot shows the AWS Management Console interface. On the left, there's a navigation menu with options like EC2 Dashboard, EC2 Global View, Events, Instances, Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Capacity Reservations, Images, AMIs, AMI Catalog, Elastic Block Store, Volumes, and Snapshots. The main content area displays the 'Instance summary' for EC2 instance i-02ca0581952679a33 (CC_Pract_1). The instance is in the 'Running' state. The summary includes details like Instance ID, Public IPv4 address (15.206.146.134), Private IPv4 address (172.31.43.82), Instance state (Running), Hostname type, IP name, Answer private resource DNS name, Auto-assigned IP address, IAM Role, Subnet ID, and VPC ID.

The screenshot shows the 'Connect to instance' page in the AWS Management Console. The page offers options to connect to the instance using EC2 Instance Connect, Session Manager, SSH client, or EC2 serial console. A warning message states that Port 22 (SSH) is open to all IPv4 addresses. The 'Connect using EC2 Instance Connect' option is selected. The page also displays the Instance ID, Connection Type, Public IP address, and Username.

8. Enter the basic ubuntu commands to run.

```
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

ubuntu@ip-172-31-43-82:~$ date
Thu Aug 1 17:47:20 UTC 2024
ubuntu@ip-172-31-43-82:~$ pwd
/home/ubuntu
ubuntu@ip-172-31-43-82:~$ mkdir anshika
ubuntu@ip-172-31-43-82:~$ cd anshika
ubuntu@ip-172-31-43-82:~/anshika$ touch newfile.txt
ubuntu@ip-172-31-43-82:~/anshika$ cd newfile.txt
-bash: cd: newfile.txt: Not a directory
ubuntu@ip-172-31-43-82:~/anshika$ sudo apt-get update
Hit:1 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble InRelease
Get:2 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Get:3 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
Get:4 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Packages [15.0 MB]
Get:5 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]
Get:6 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/universe Translation-en [5982 kB]
Get:7 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Components [3871 kB]
Get:8 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 c-n-f Metadata [301 kB]
Get:9 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 Packages [269 kB]
```