SVKM'S NMIMS Nilkamal School of Mathematics, Applied Statistics & Analytics Master of Science (Statistics & Data Science)

Practical-1 Infrastructure as a service using AWS

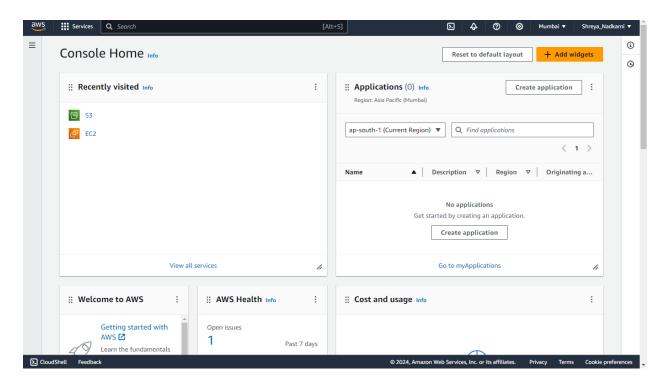
Name: Shreya Nadkarni SAP ID: 86062300047

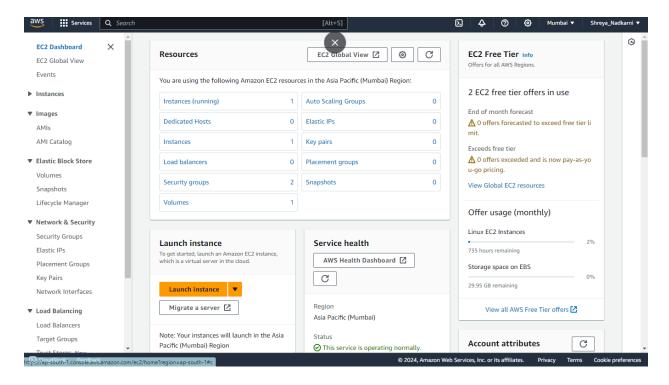
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Ques 1

1. Launch an EC2 Instance:

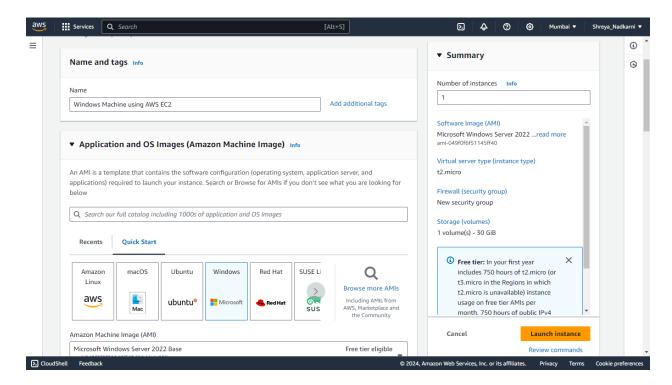
- Navigate to the EC2 Dashboard.
- Click on "Launch Instance".





2. Choose an Amazon Machine Image (AMI):

Select a Windows AMI.



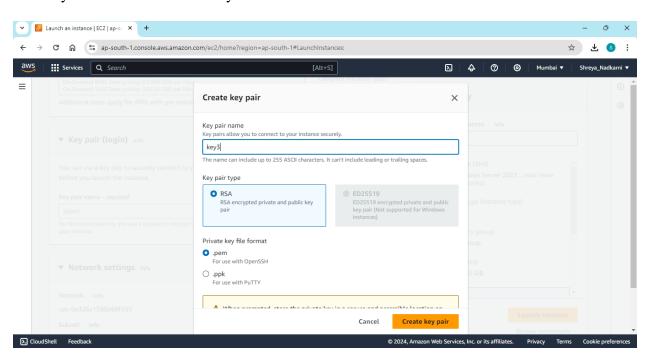
3. Configure Instance Details:

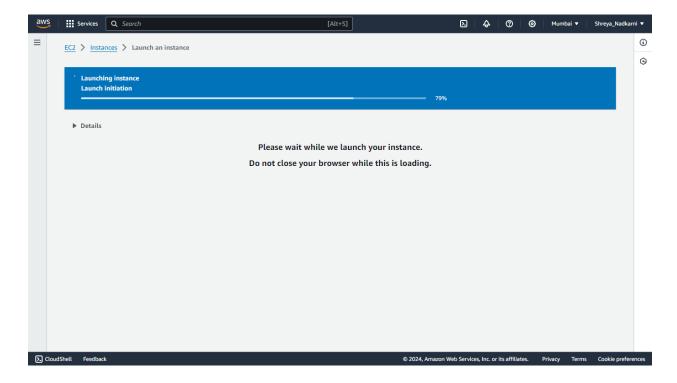
• Configure the instance details, such as the number of instances, network settings, and IAM role (if needed). Default settings are typically fine for a basic setup.

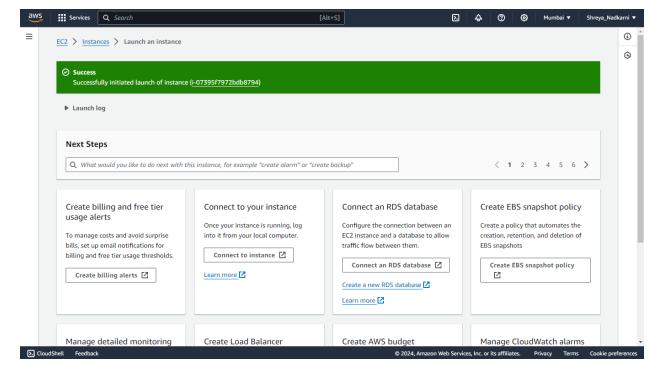
4. Review and Launch:

• 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.

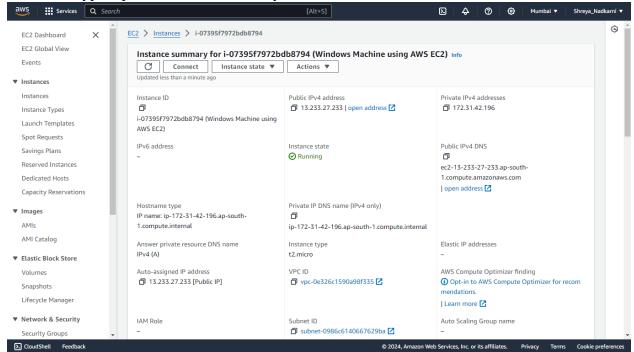


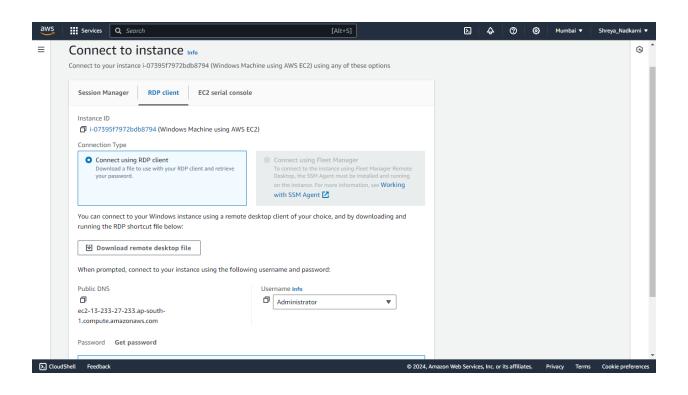


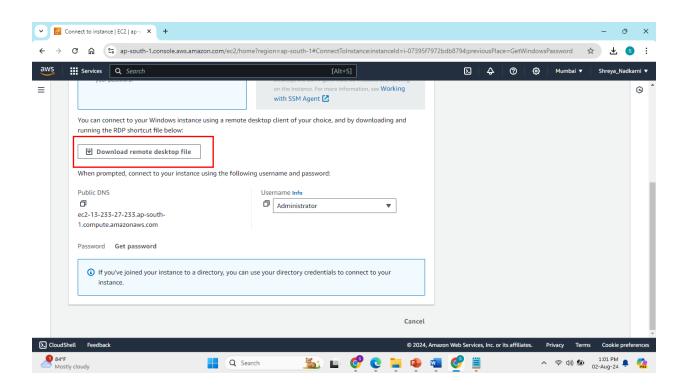


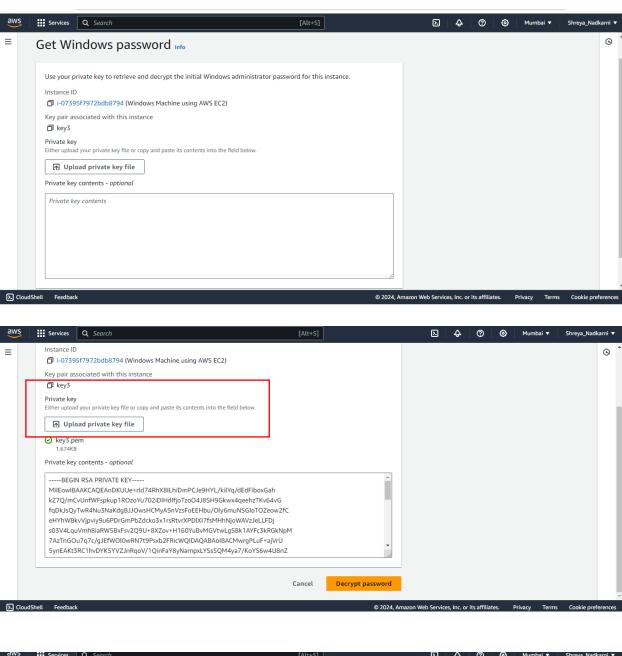
5. Connect to Your Instance:

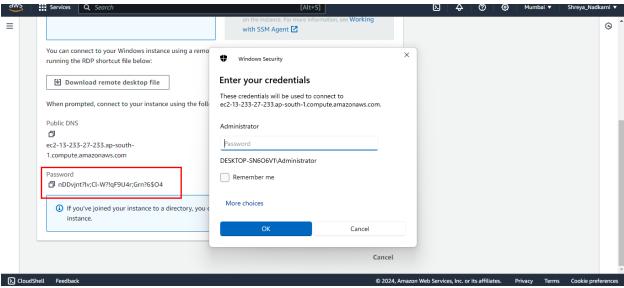
- After the instance status changes to "running", select the instance.
- Click on "Connect", then "RDP client".
- Download the Remote Desktop File and get the default password by clicking "Get Password" (you'll need the key pair file for decryption).
- Open the downloaded Remote Desktop File and enter the administrator username and decrypted password to connect to your Windows instance.







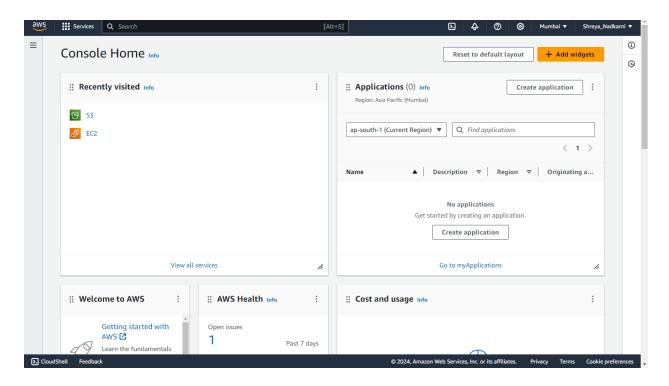


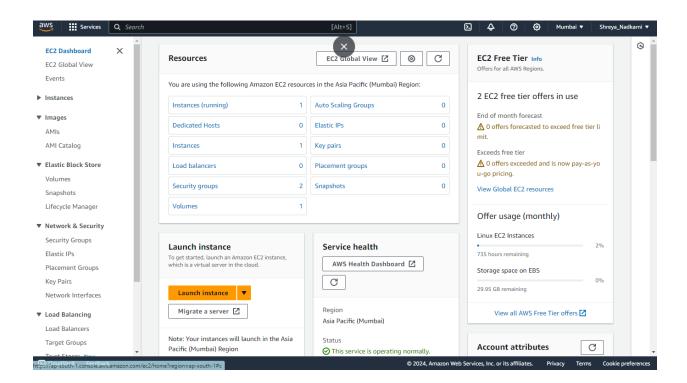


Ques 2

1. Launch an EC2 Instance:

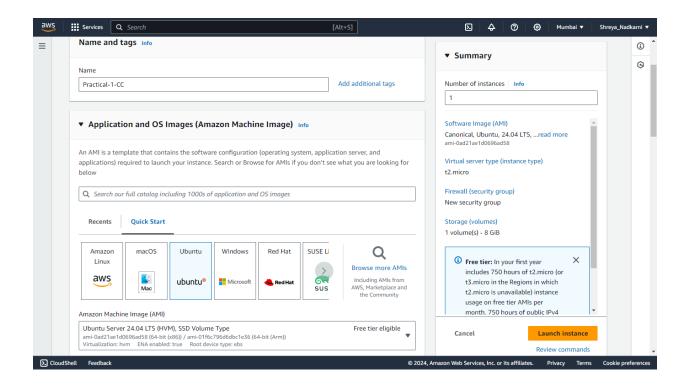
- Navigate to the EC2 Dashboard.
- Click on "Launch Instance".





2. Choose an Amazon Machine Image (AMI):

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



3. Configure Instance Details:

• Configure the instance details, such as the number of instances, network settings, and IAM role (if needed). Default settings are typically fine for a basic setup.

4. Add Storage:

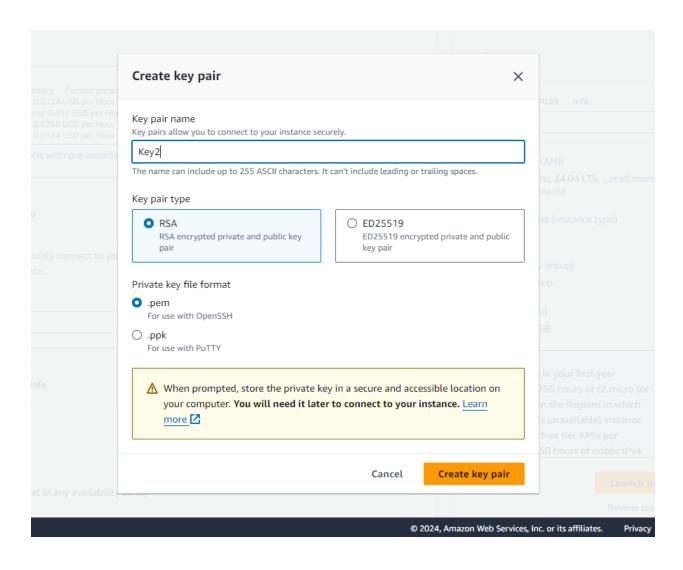
• Adjust the storage settings if necessary. The default size for Ubuntu instances is usually sufficient, but you can increase it based on your needs.

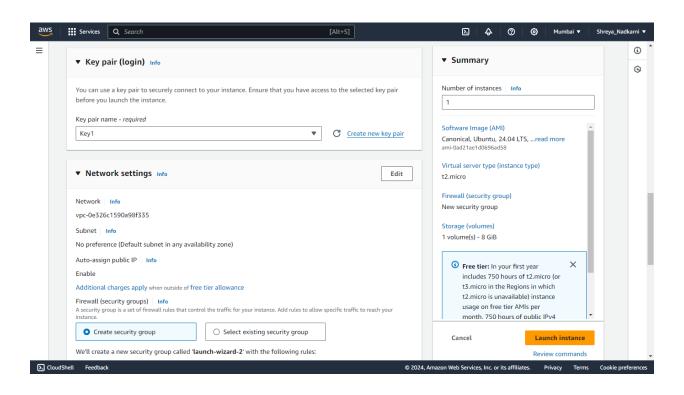
5. Add Tags:

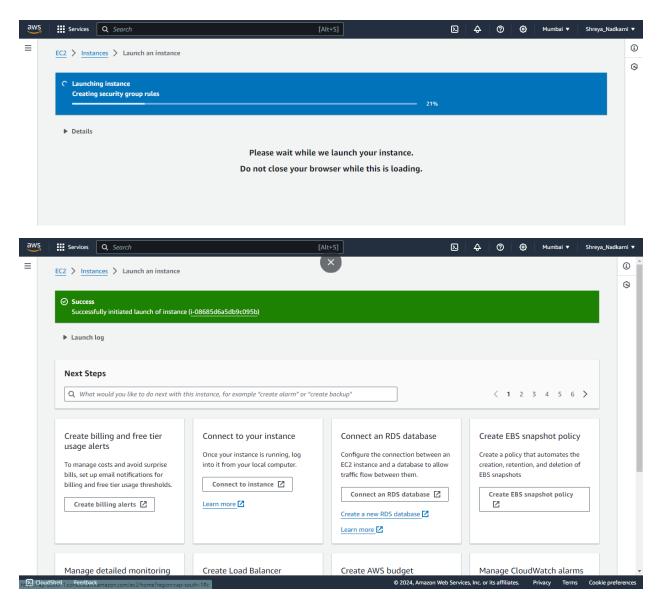
• (Optional) Add tags to help identify your instance. For example, Key: Name, Value: Ubuntu-Server.

6. 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.

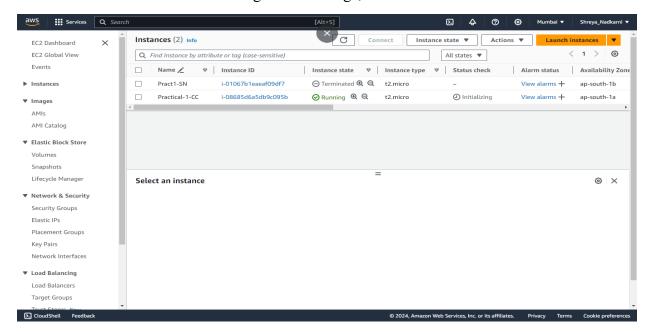




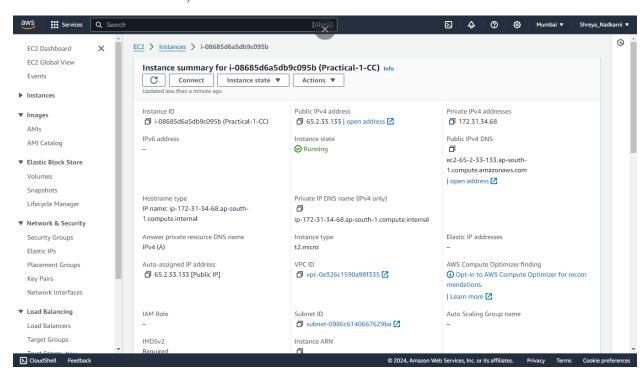


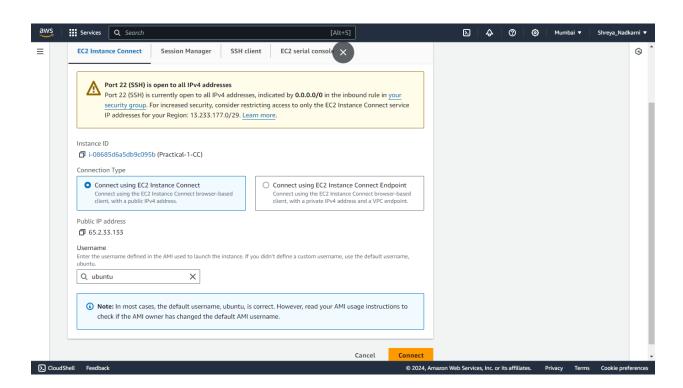
7. Connect to Your Instance:

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



• Click on "Connect",





8. Open a terminal.

Run the following command to set the permissions of your key pair file:

- Check the disk usage: This command checks current disk usage
- Check the current directory: This command prints the current working directory.
- Create a new directory: This command creates a new directory named my_new_directory.
- Create a new file and write text to it: This command creates a file named hello.txt and writes "Hello, World!" into it.
- **Display the contents of a file**: This command displays the contents of hello.txt.

