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AWS Cloud and Devops

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Creating an AMI from an EC2 web server

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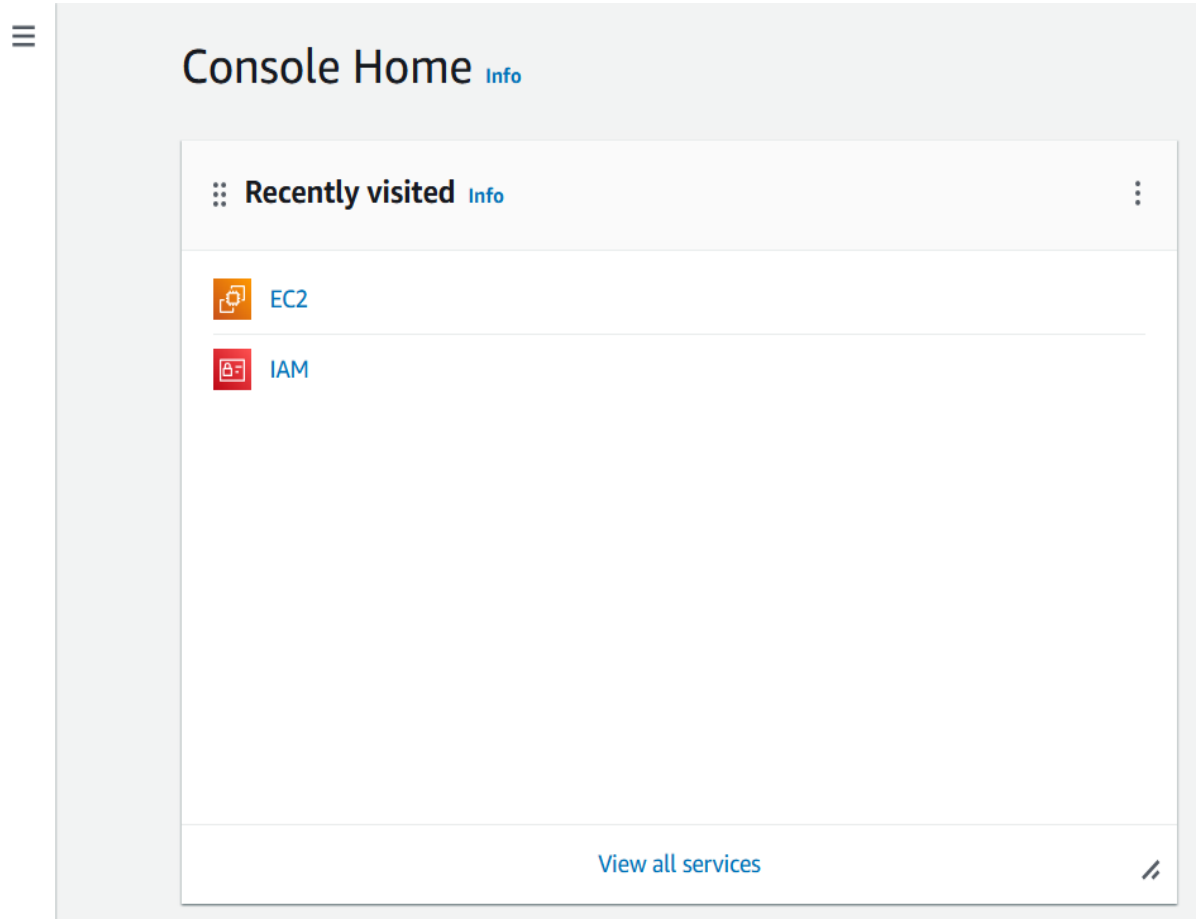
We are going to see the step by step guide for creating an AMI from an EC2 web server.

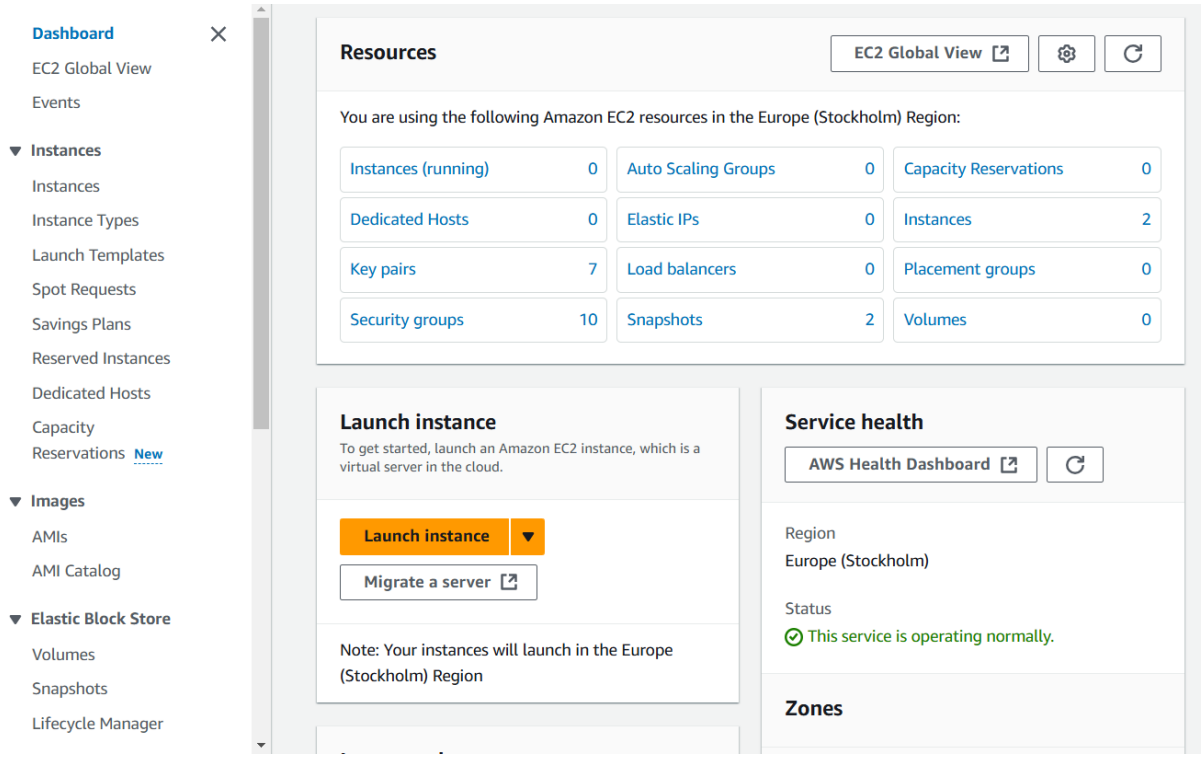
STEP 1: Log in to the AWS Management Console

- Navigate to the AWS management console and login with your credentials.

STEP 2: In the AWS console home, click EC2 to open the EC2 dashboard.

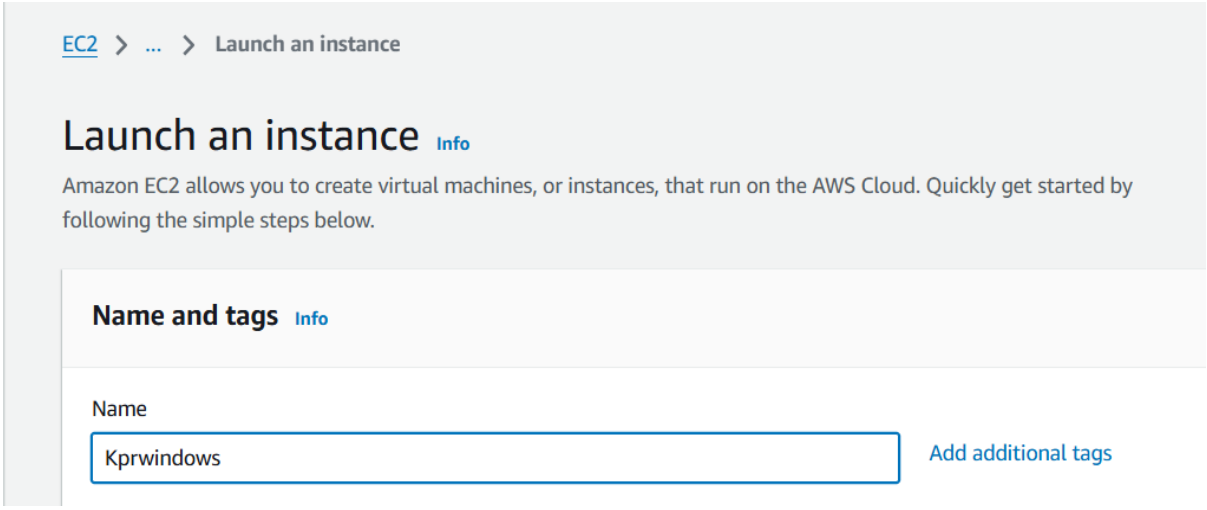


STEP 3: The resulting EC2 Dashboard is opened as shown below.

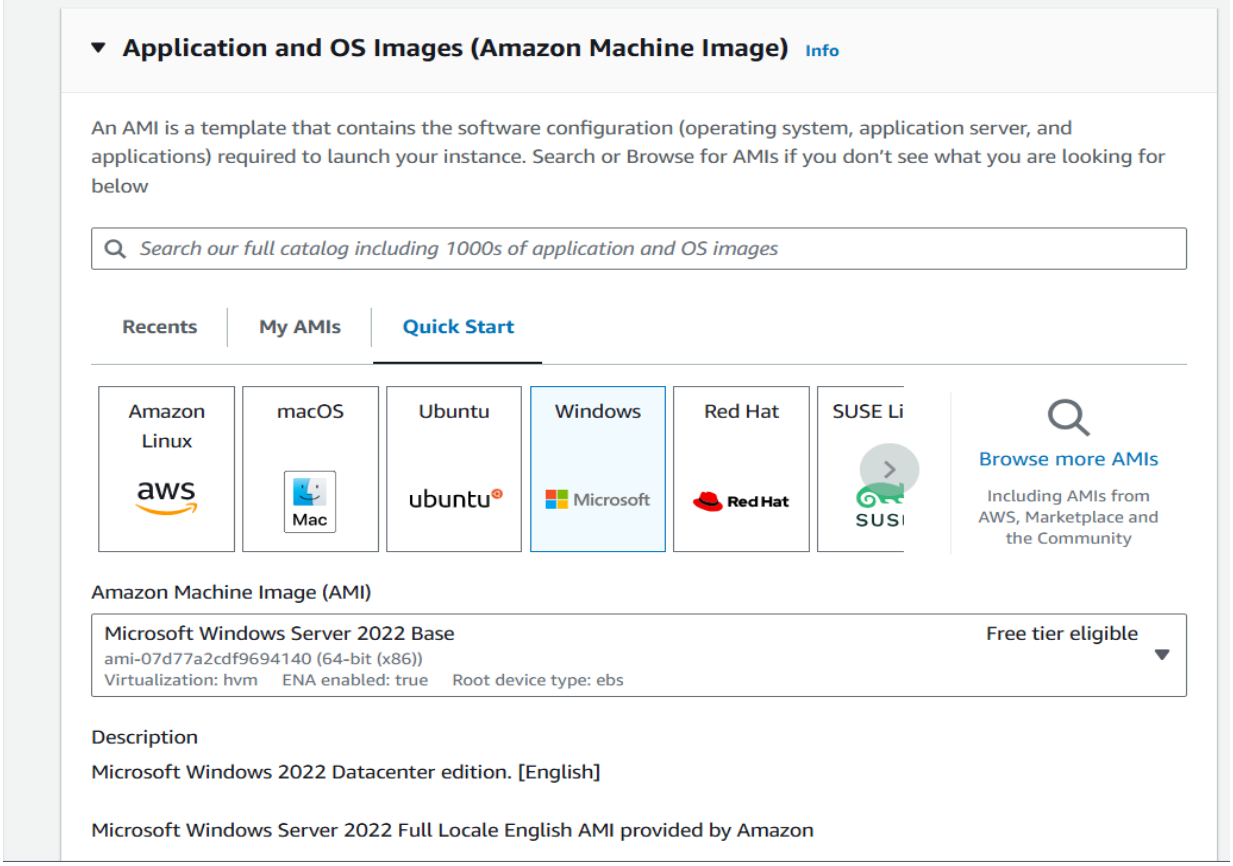


STEP 4: Launch an instance by creating an windows EC2.

Give a name for your instance



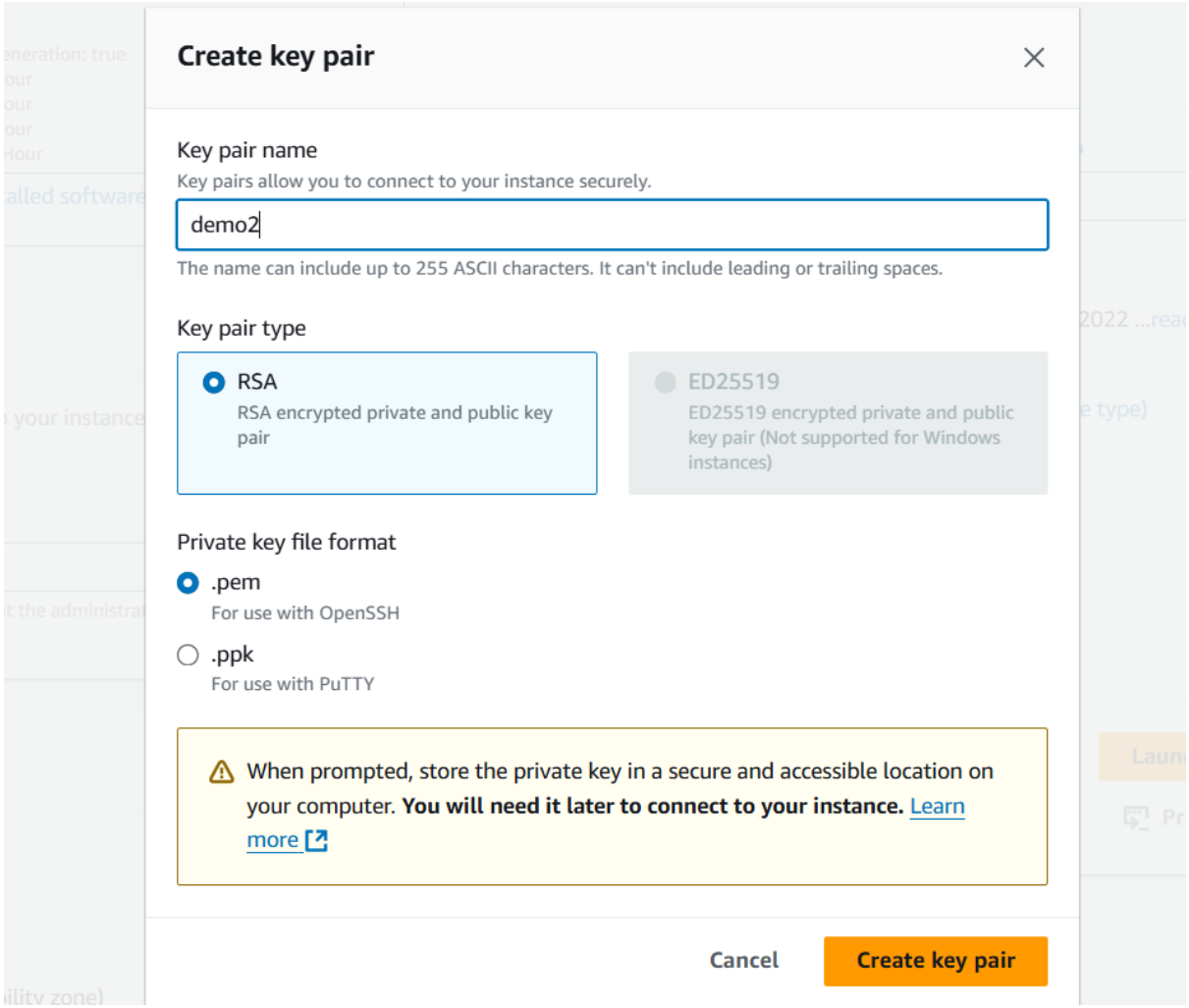
STEP 5: Choose an OS from the windows section.



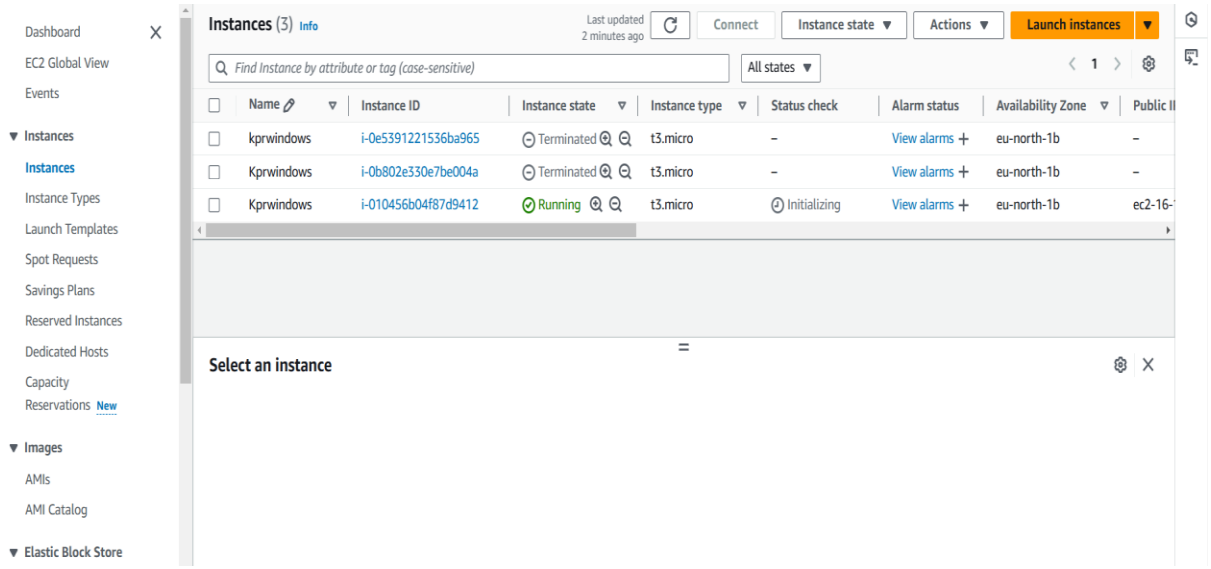
STEP 6: Create a new key pair by giving any name for your key pair under RSA key type.

- The key pair can be downloaded using .pem file format.
- Then click on create new key pair

The key pair is now created successfully.

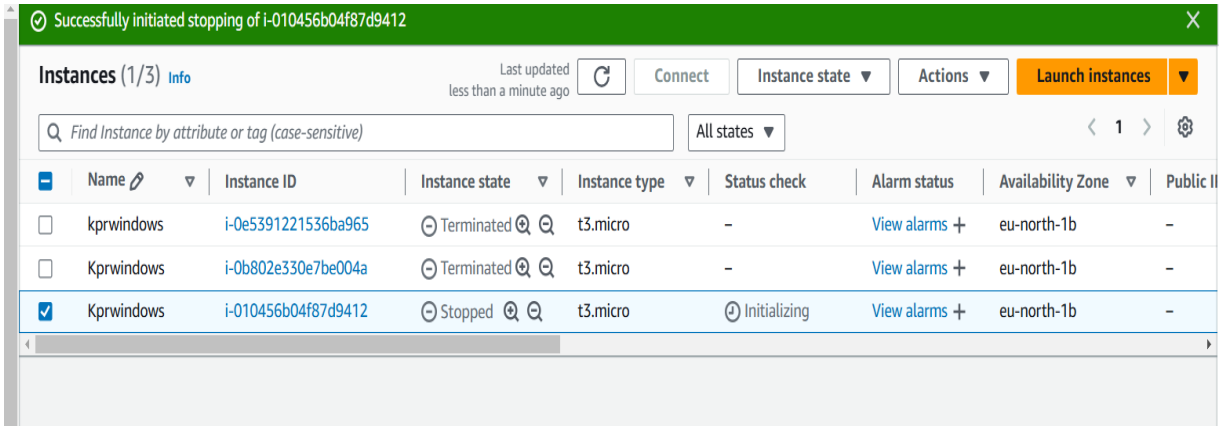


STEP 7: After creating a new key pair and by clicking on launch instance option, it creates an new instance.



STEP 8: Process for Stopping the Instance:

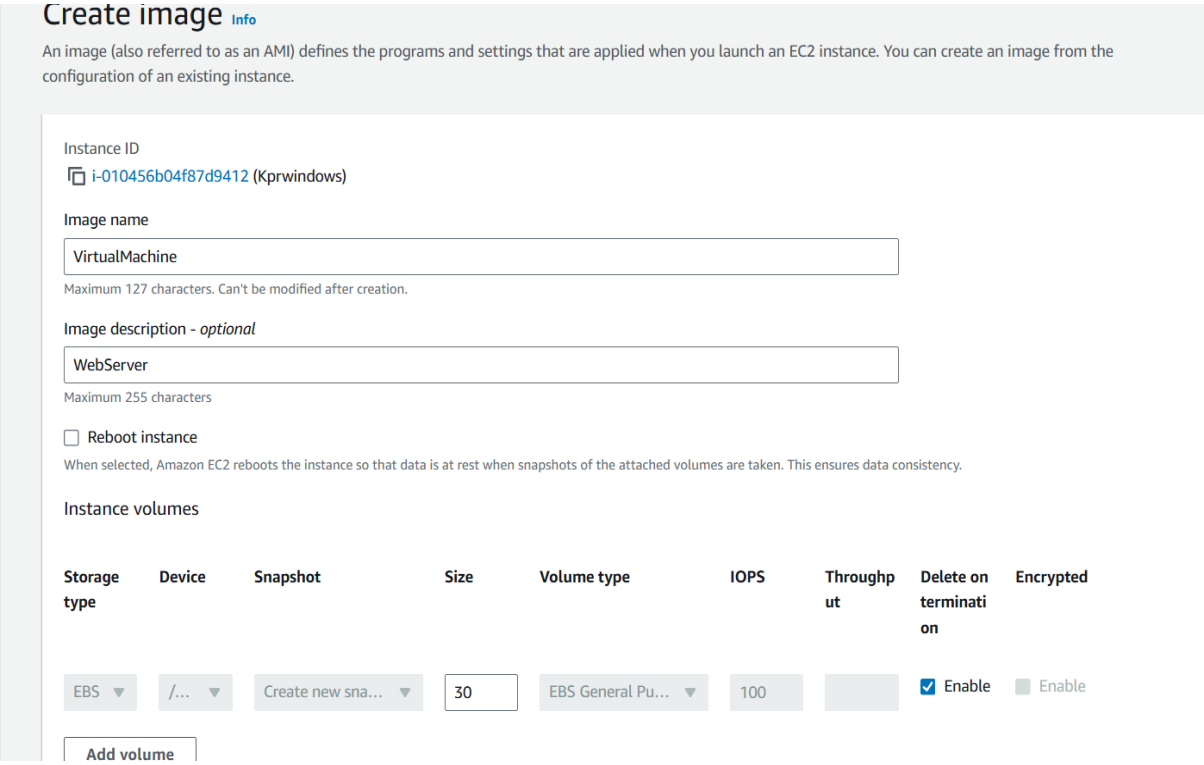
- It is good to stop the instance before creating the AMI to avoid any corruption or incomplete file issues.
- To stop the instance, click on **Instance State -> Stop**
- Wait until the instance is stopped.



STEP 9: Creating an AMI:

Once your instance is stopped, select the instance that has been launched and for creating an image click on **Actions -> Image and Templates -> Create image.** It will appear as given below.

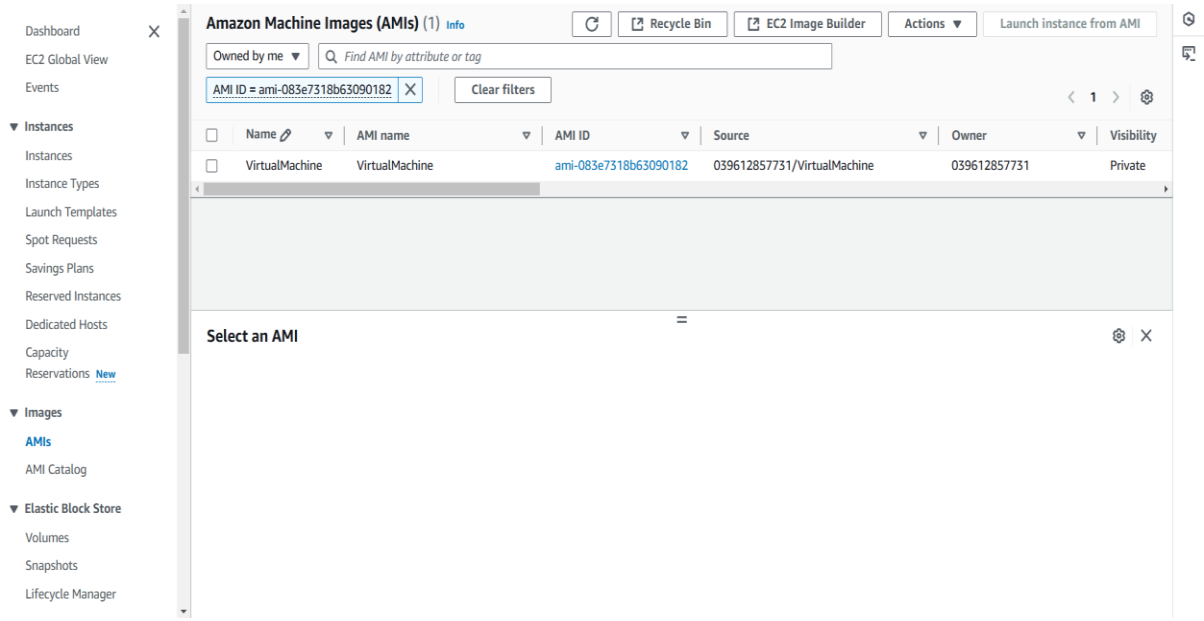
- Provide a name for AMI and image description(optional)
- Rebooting instances can be done if there is any issues in the server



Once you have configured the AMI details, click create image.

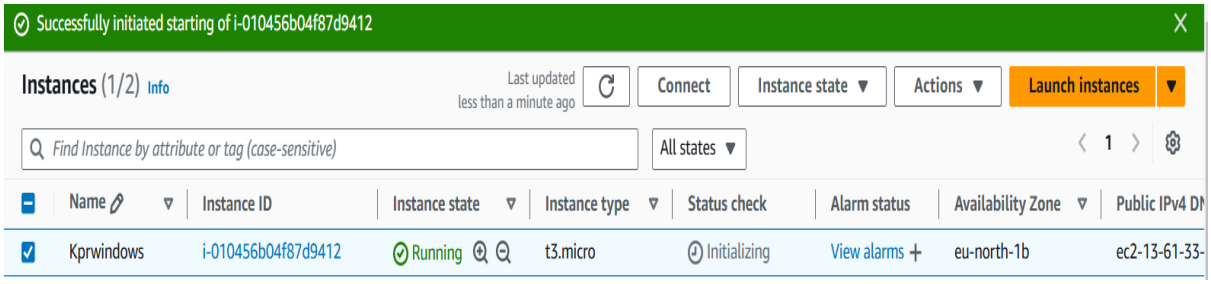
STEP 10: By clicking **Images -> AMIs** in the menu, the status of new AMI can be viewed. It shows pending status at its initial stage.

It may take few mins to process depending on the size of instance



Once the AMI is created, its status will change to available.

STEP 11: Restart the original instance if stopped to resume its normal operation of the EC2 instance, especially if it was halted for activities such as creating AMI.



At last do not forget to delete all your instances, Volume, AMI, Snapshot which you have created earlier.