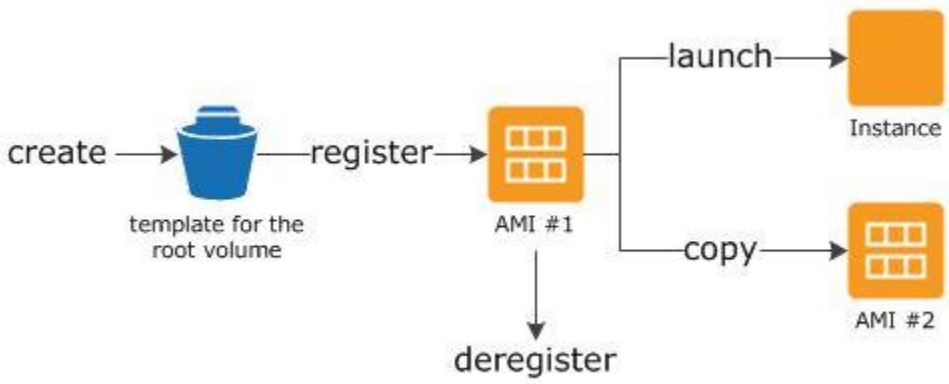
LAB-4 AMI , SNAPSHOTS AND ELASTIC IP'S

We have seen launching windows and linux instances in our previous lab's

This Lab we are going to see how to take AMI (Image of a running instance) its our own custom AMI.



We can create our own AMI of our running instance and launch it later if our current instance fails.

We can share our AMI to another AWS accout.

We can copy our AMI to another region.

While creating AMI snapshot also created, it contain the volume of the current disk.

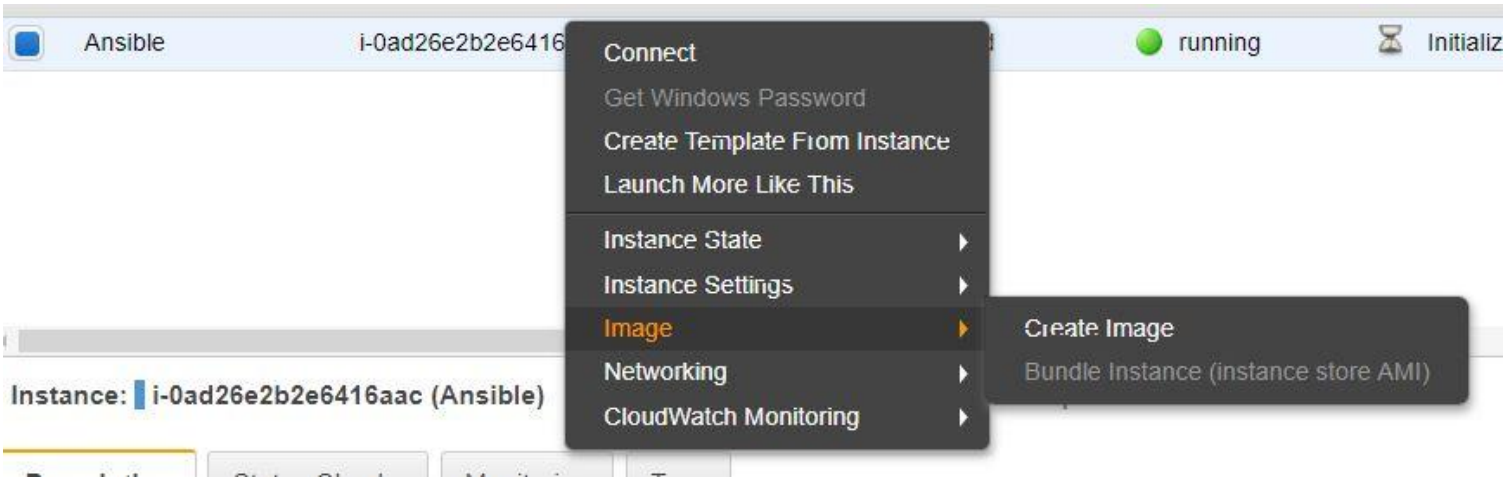
We can shedule our snapshots daily for instances and remove old one.

We can launch instance snapshot by creating image from snapshot.

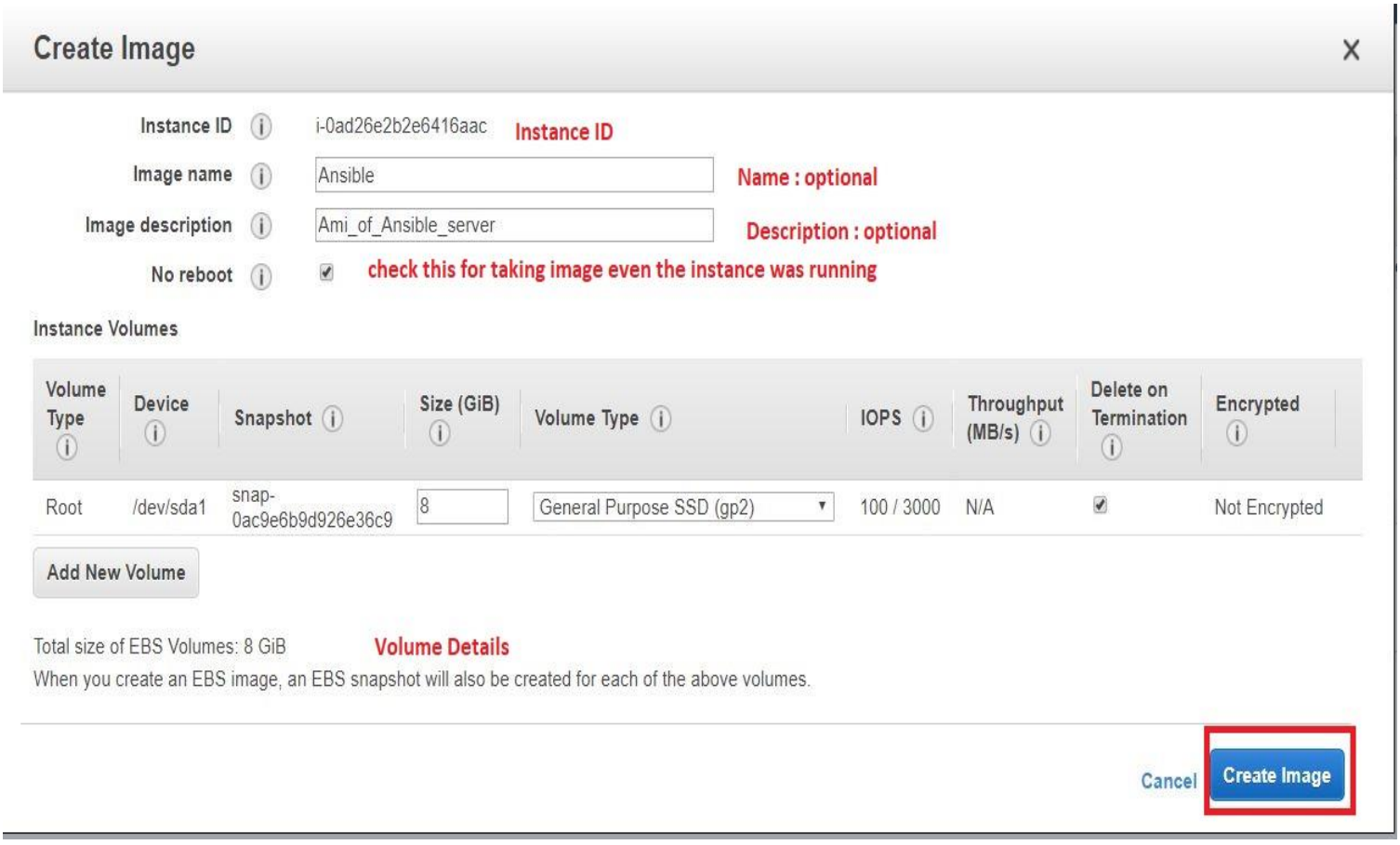
Follow the below steps for compleating this Lab sessions.

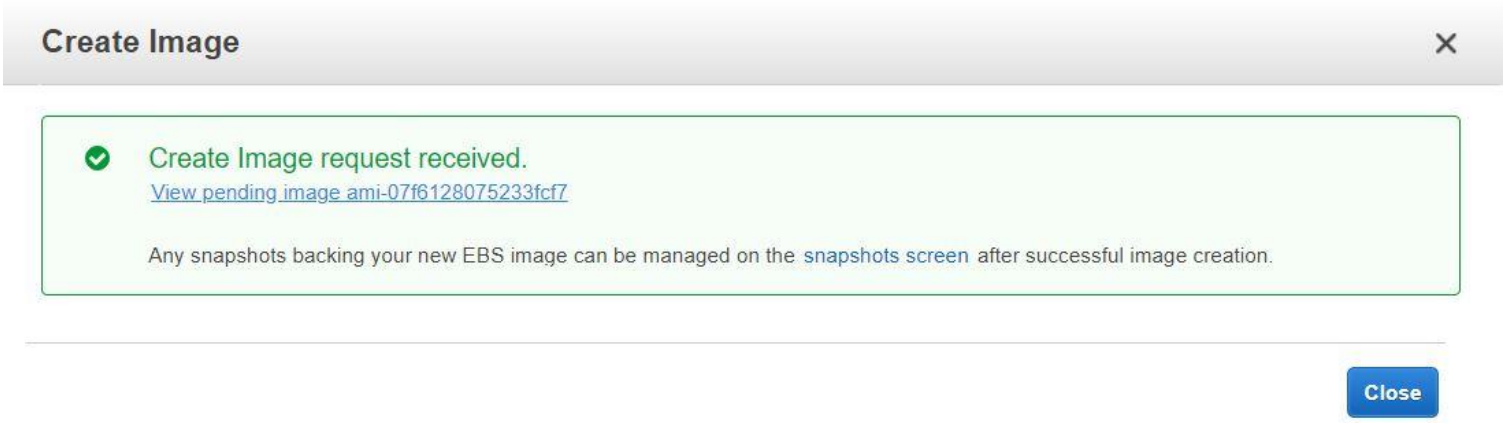
AMI –AMAZON MACHINE IMAGE

Step1: Right click the instance and go to image > create image

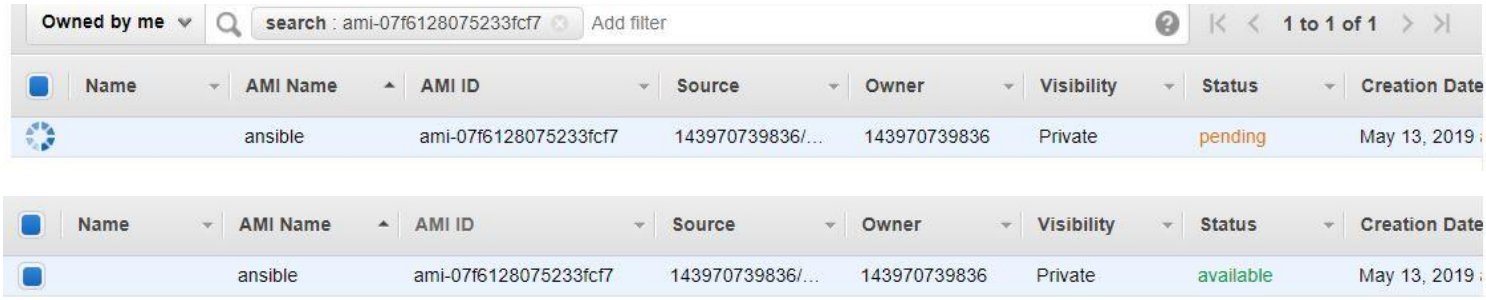


Step 2: fill the details of image

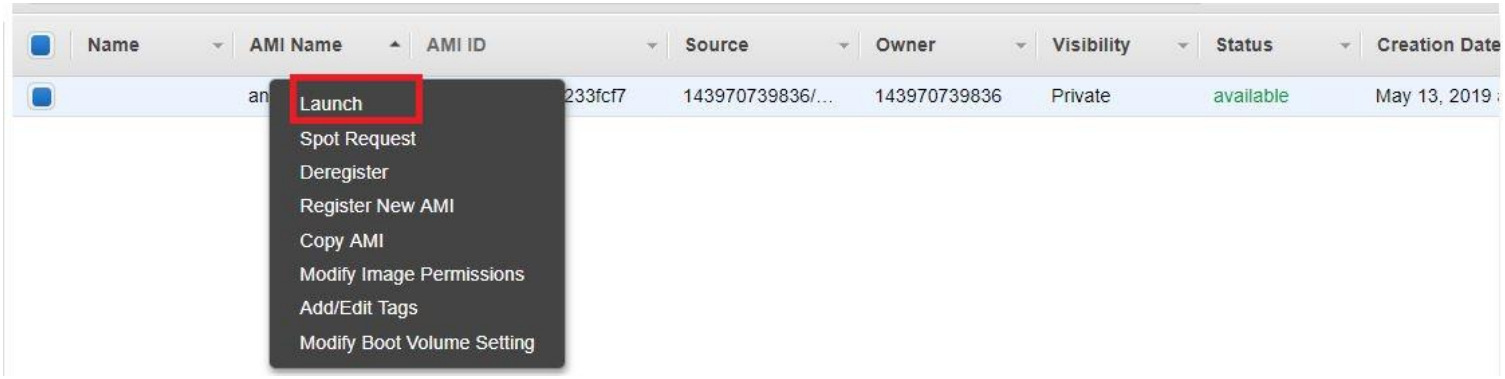




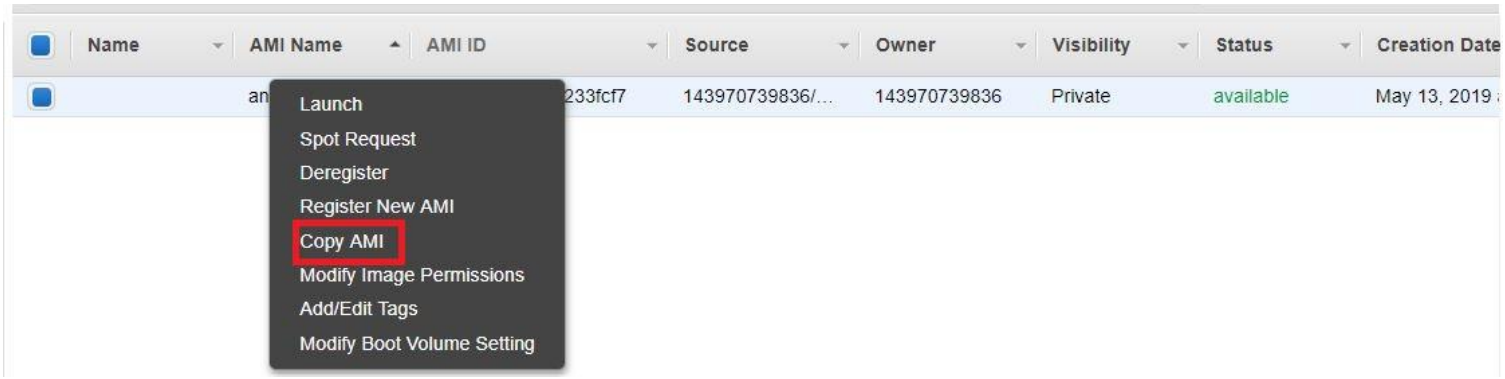
Step 3: Check the Status of image once it come to available state the AMI is ready.

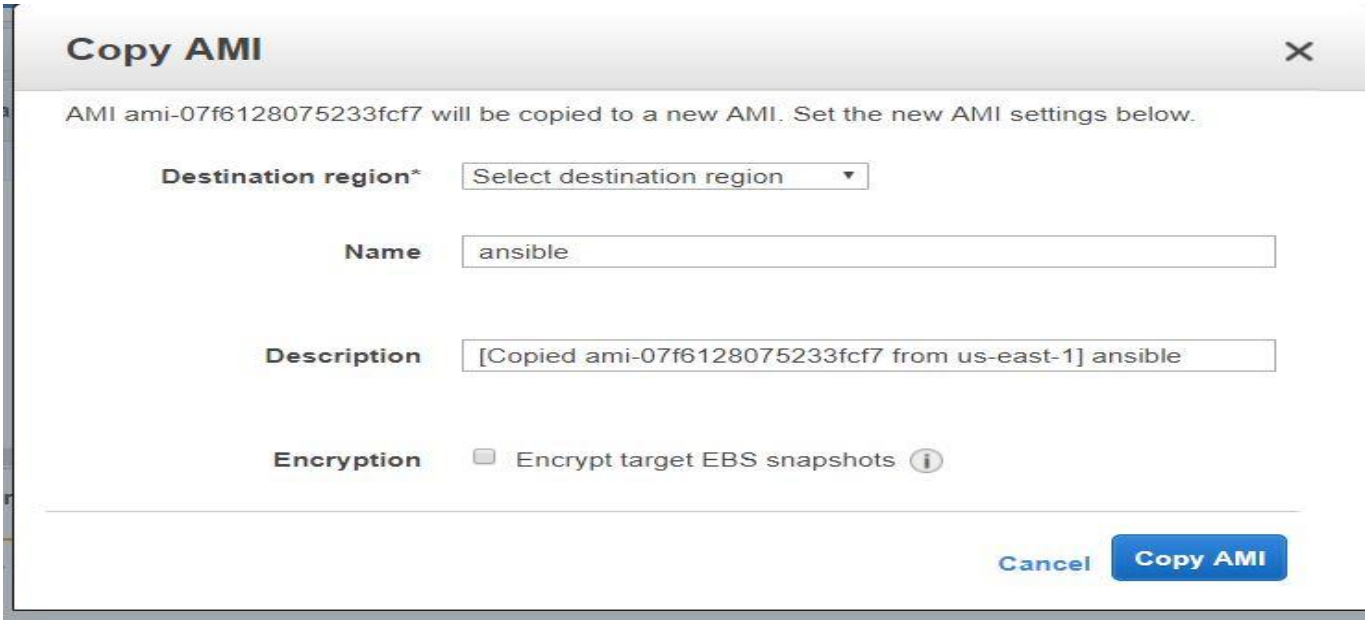


Step 4: now you can launch the instance from Image

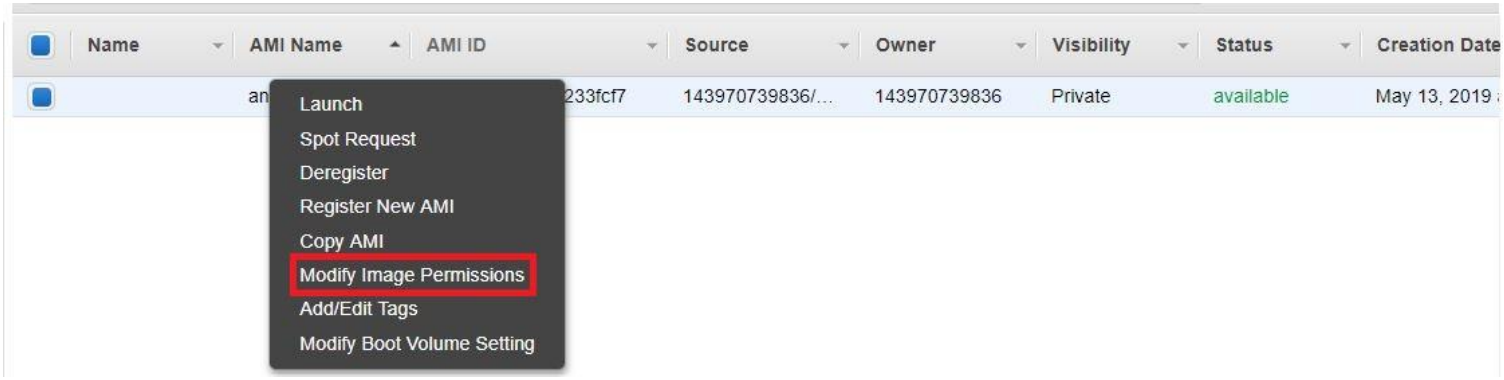


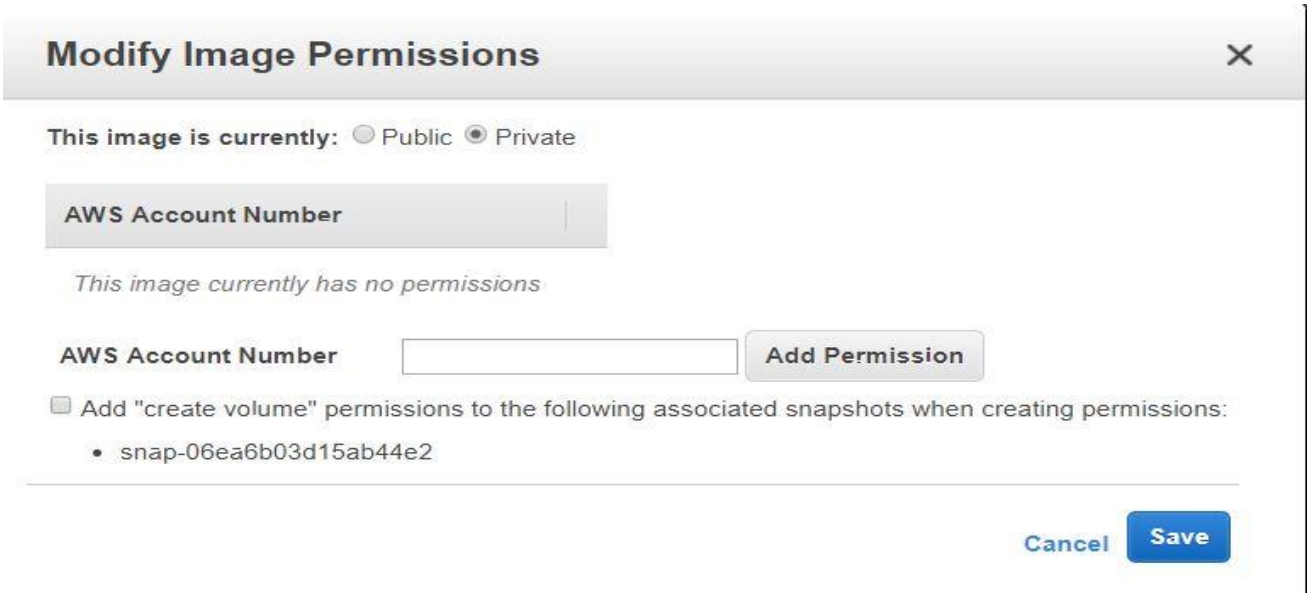
Step5: You Can copy image to another Region



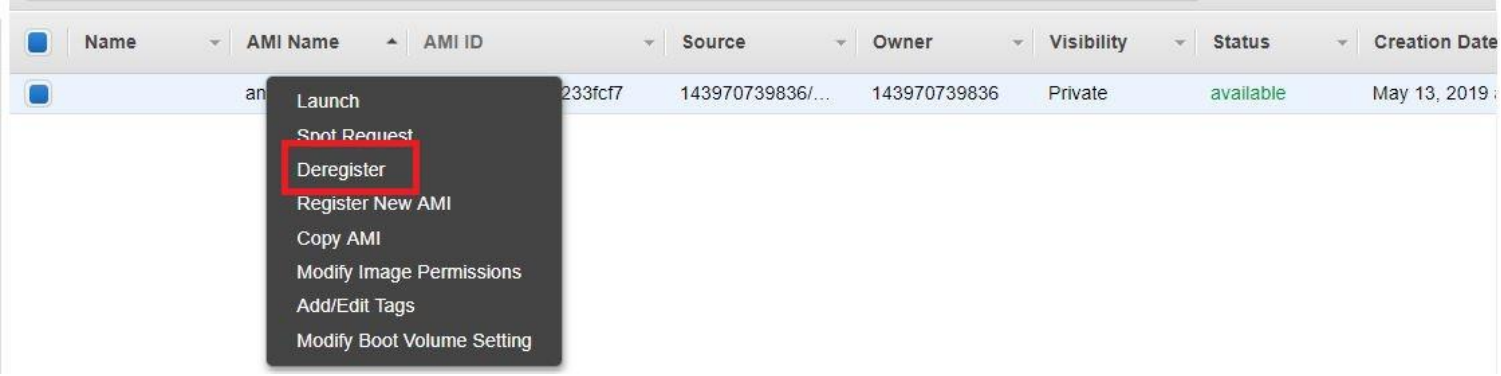


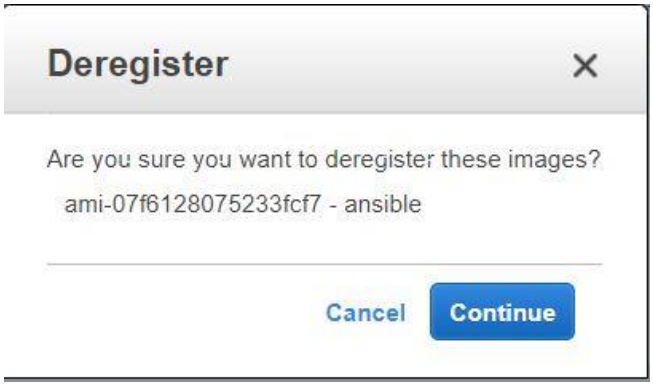
Step6: You can give permission of your AMI to another account





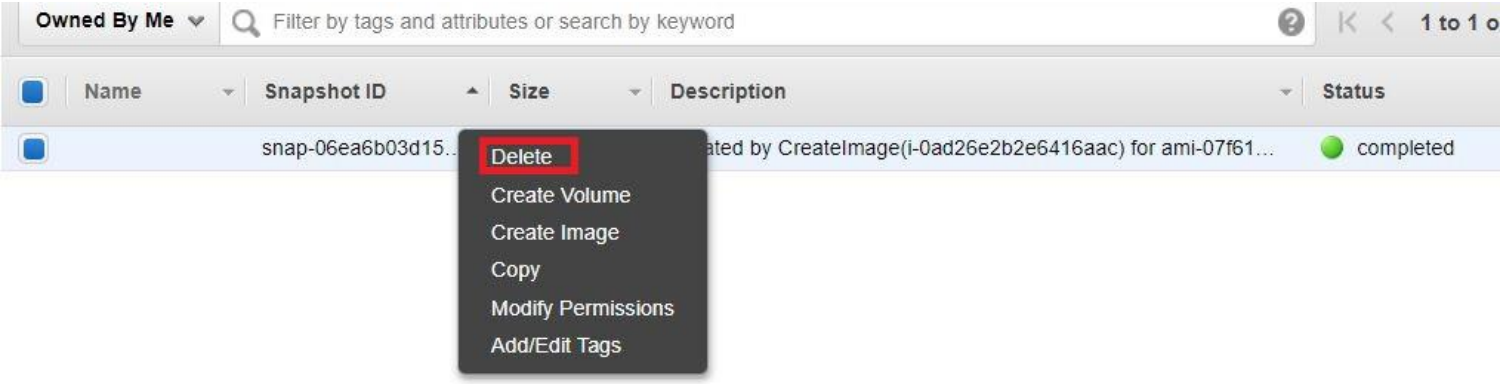
Step 7: To delete a AMI you have to deregister AMI and then selete snapshot also.





Go To Snapshots

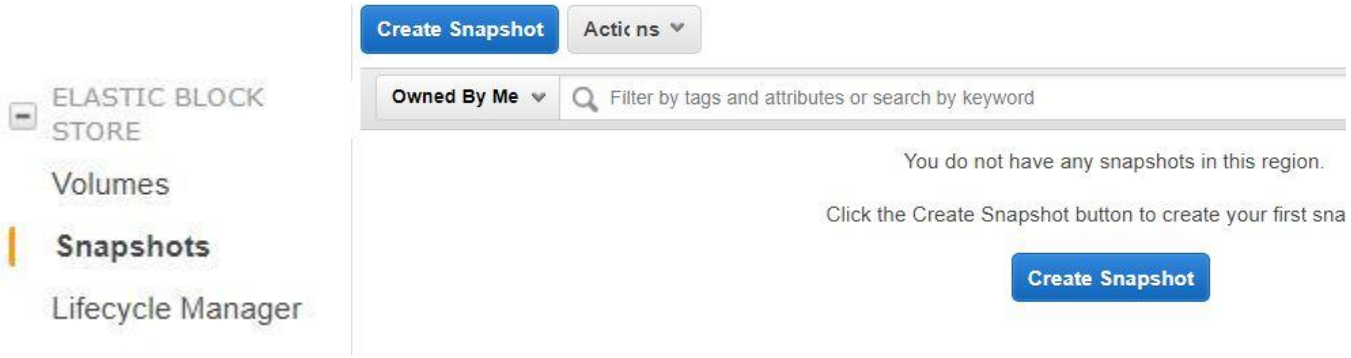
Delete the Snapshot



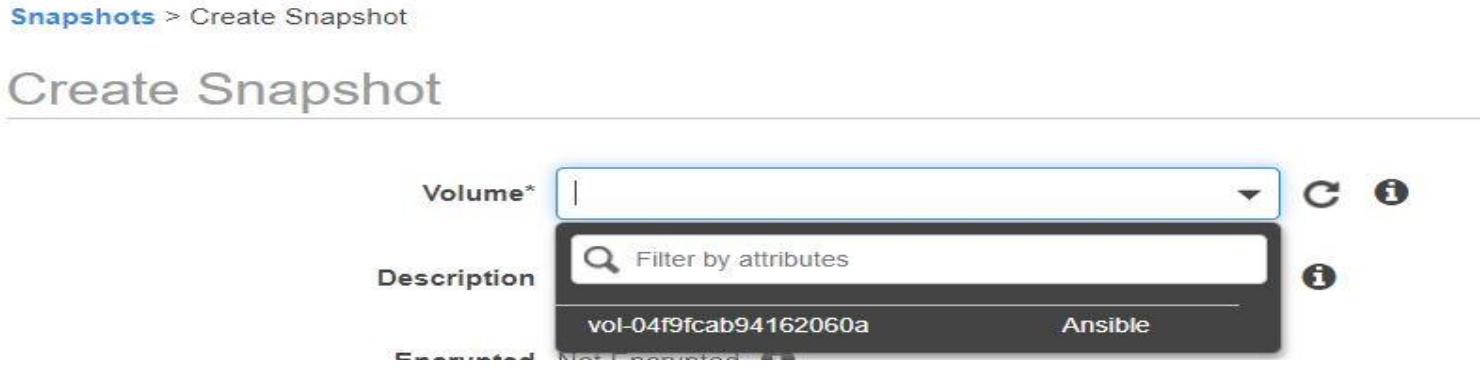
SNAPSHOTS

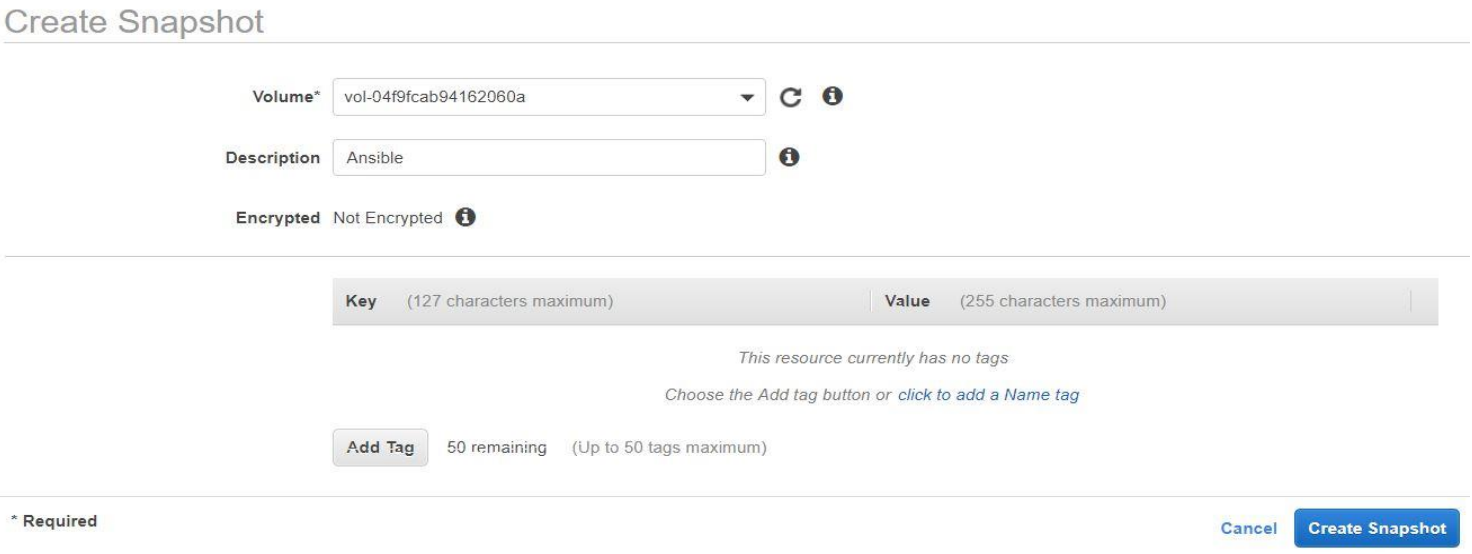
We can create a snapshot and we can launch instance from snapshot by creating image.

Step 1: Go to snapshot click create snapshot.



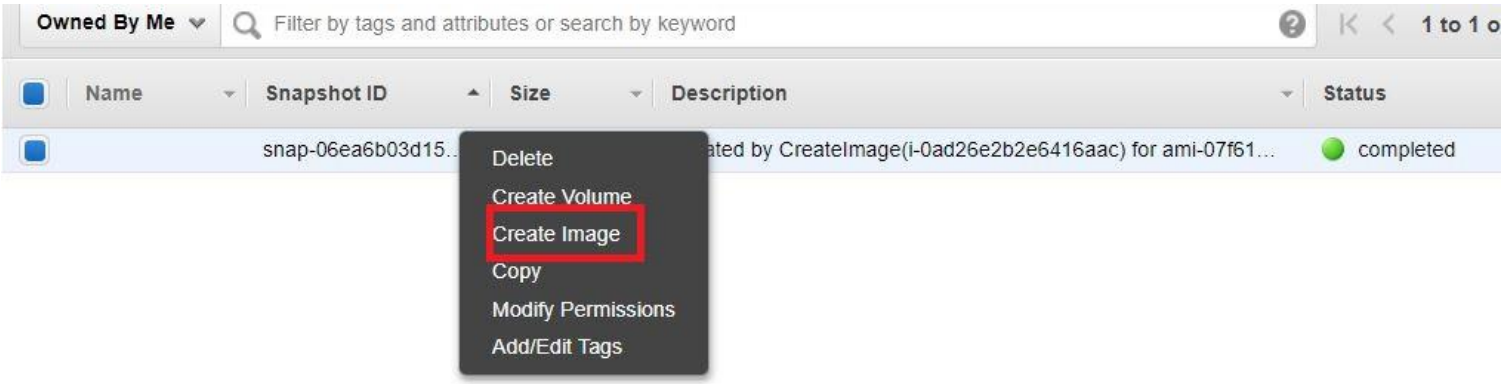
Step2: Give the Volume of instance which needed to take snapshot and other details





Step3: Once you click the **create snapshot** the snapshot created.

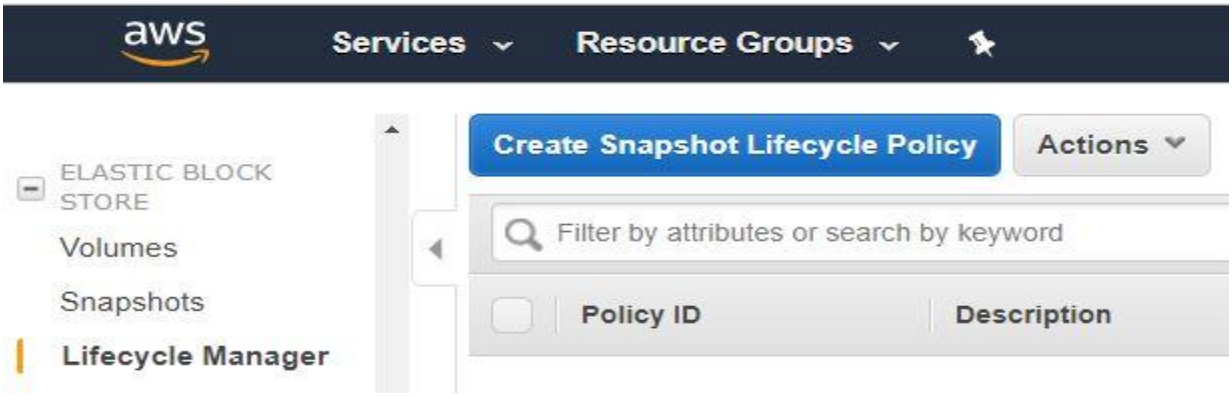
Step4: click create **Image** option to create AMI from snapshot.



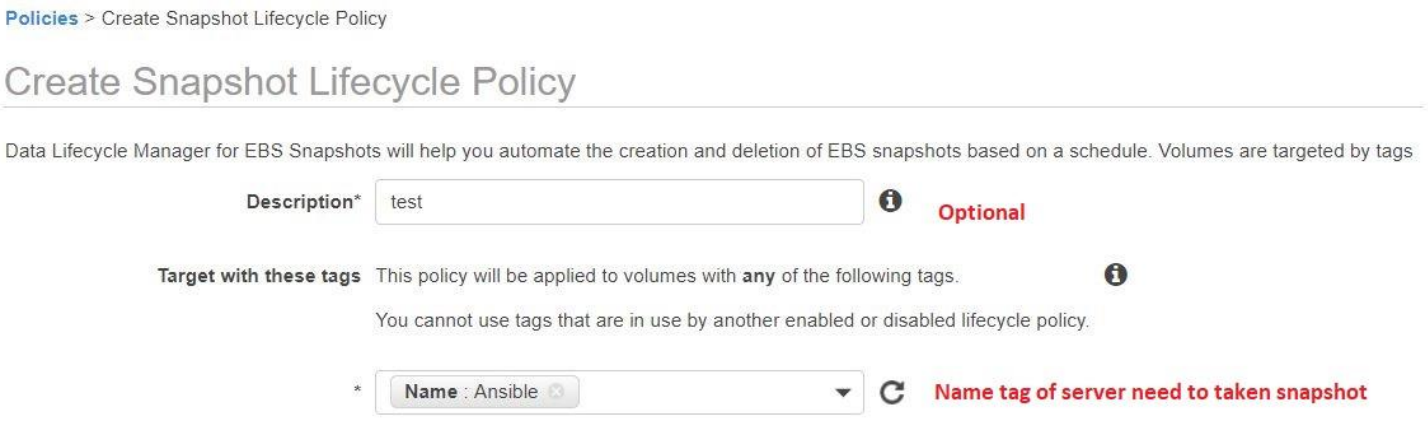
Sheduled snapshot – LIFECYCLE POLICY

Step 5: We can shedule time to create snapshot daily.

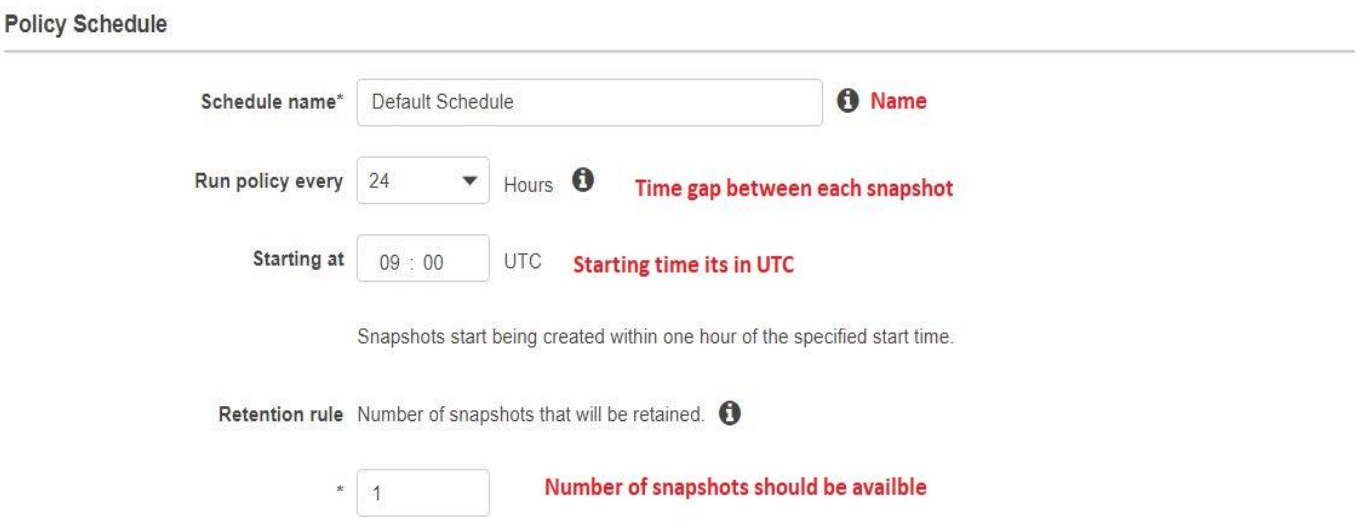
Click **Life Cycle Manager** and Click **Create Snapshot Lifecycle Policy**.



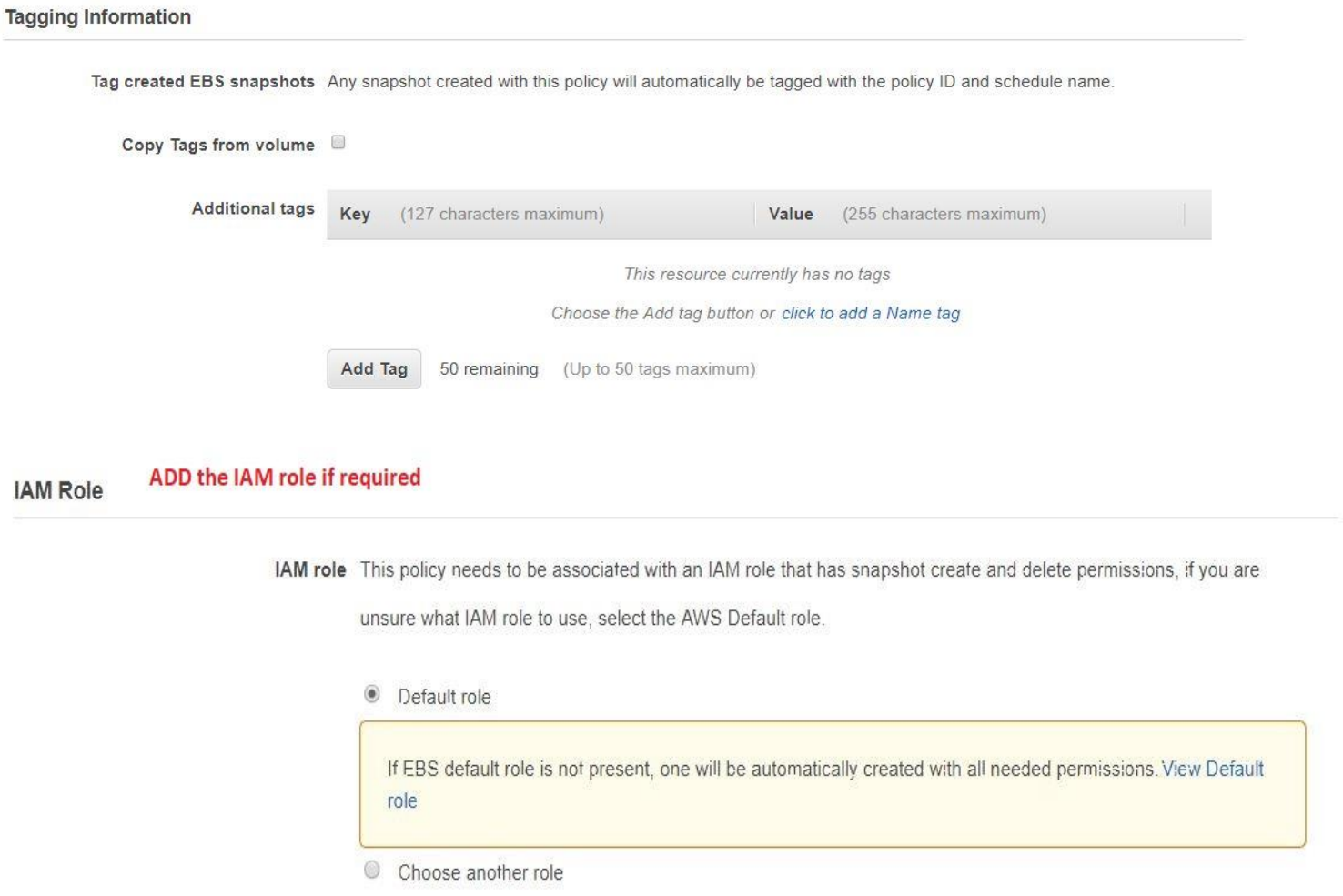
Provide the Name tag of the instance to be taken snapshot regularly

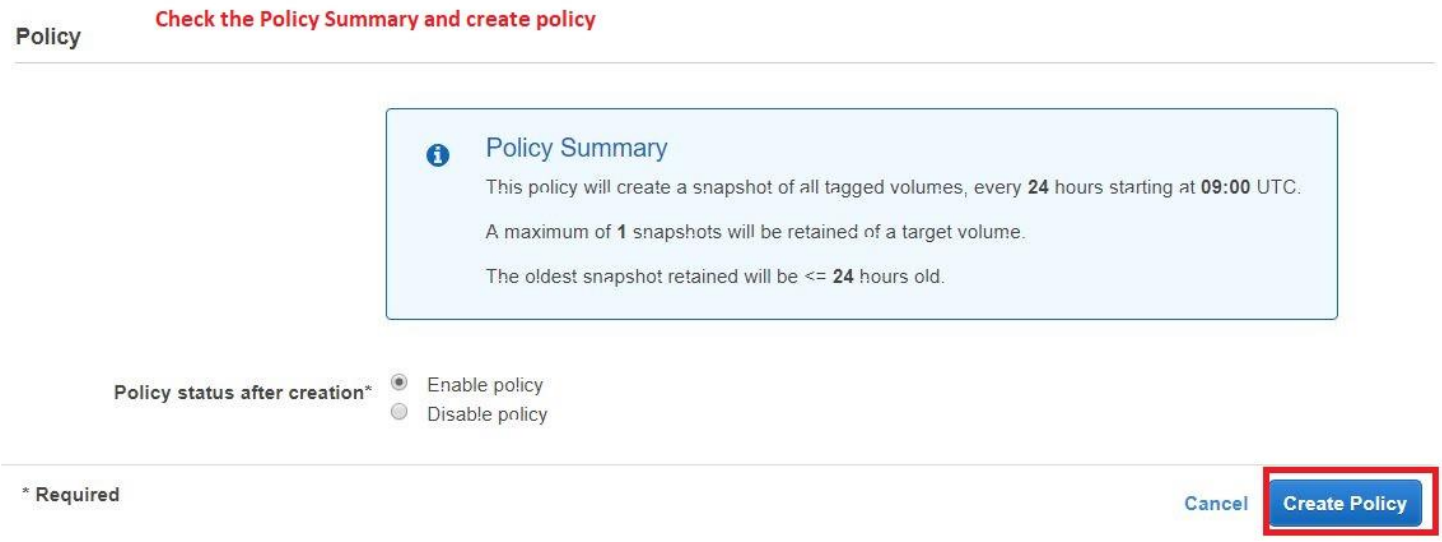


Provide Timing details



Add the naming Tag's



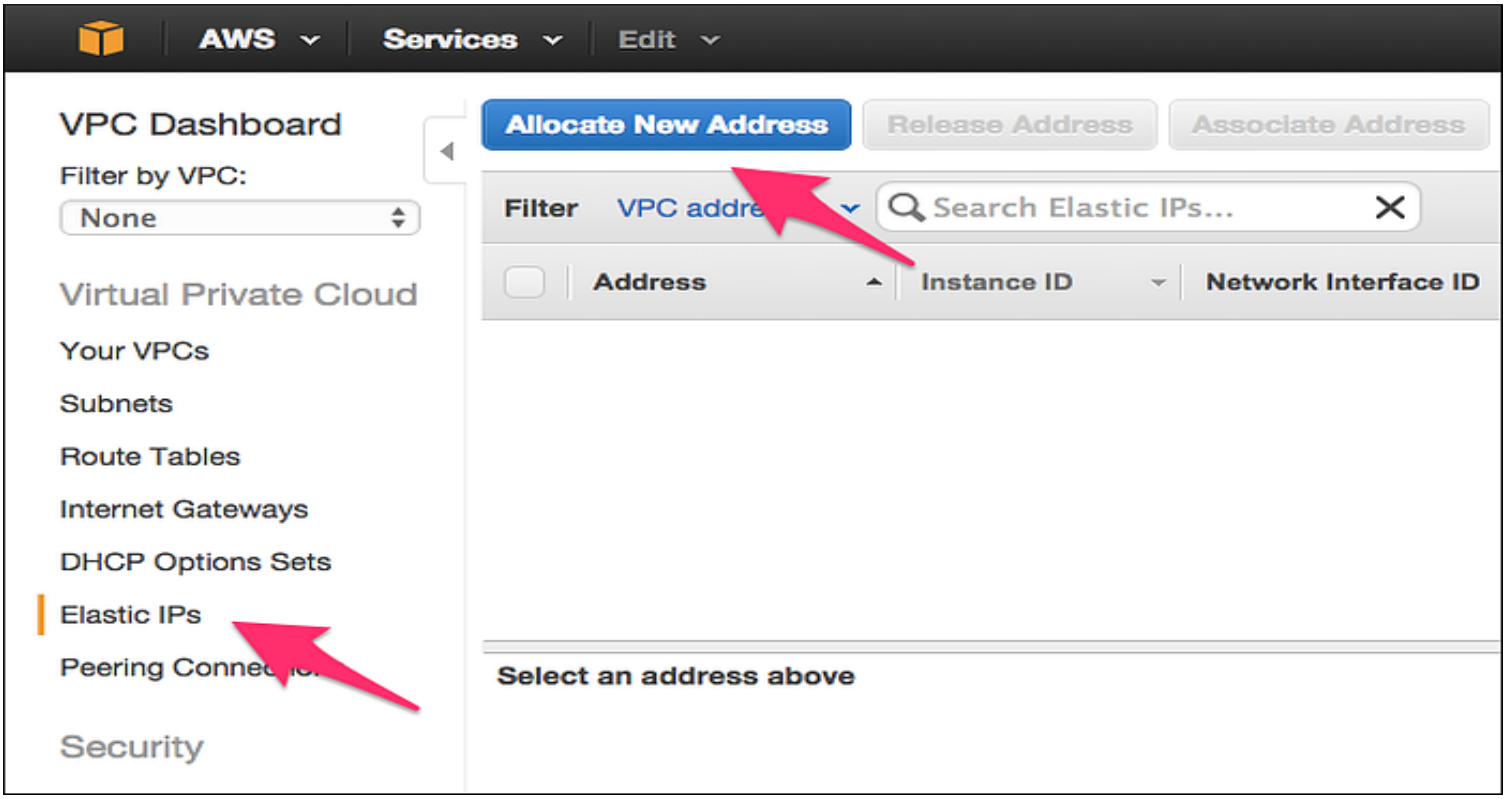


Once the policy created the snapshot will be automatically triggered.

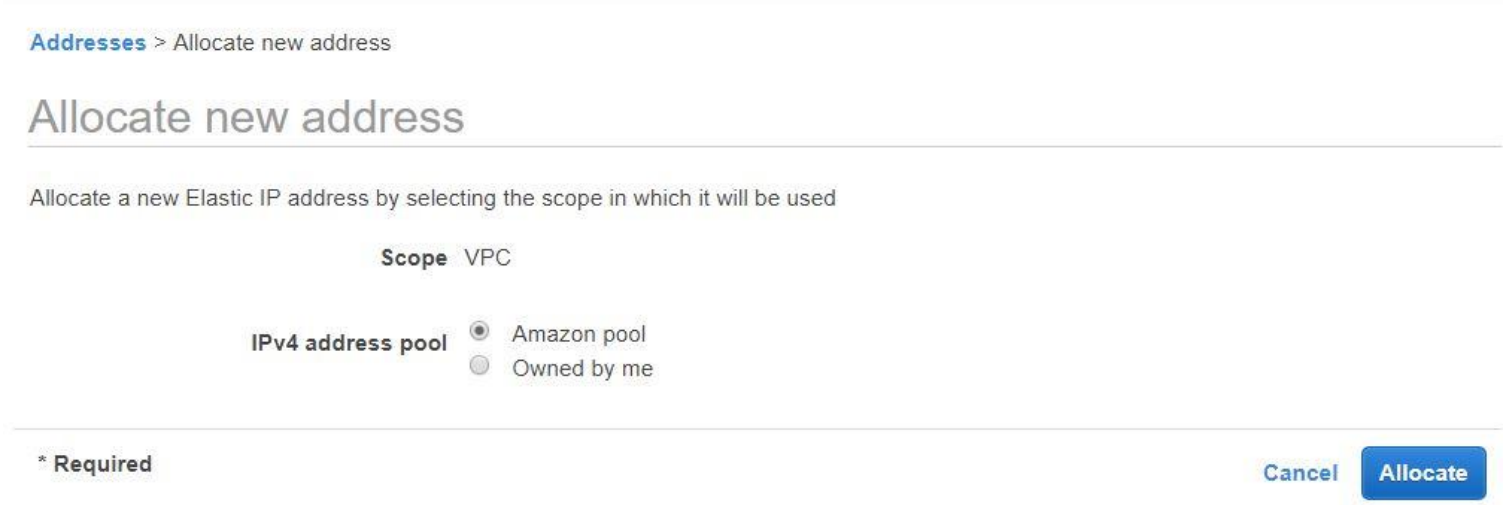
Elastic IP:

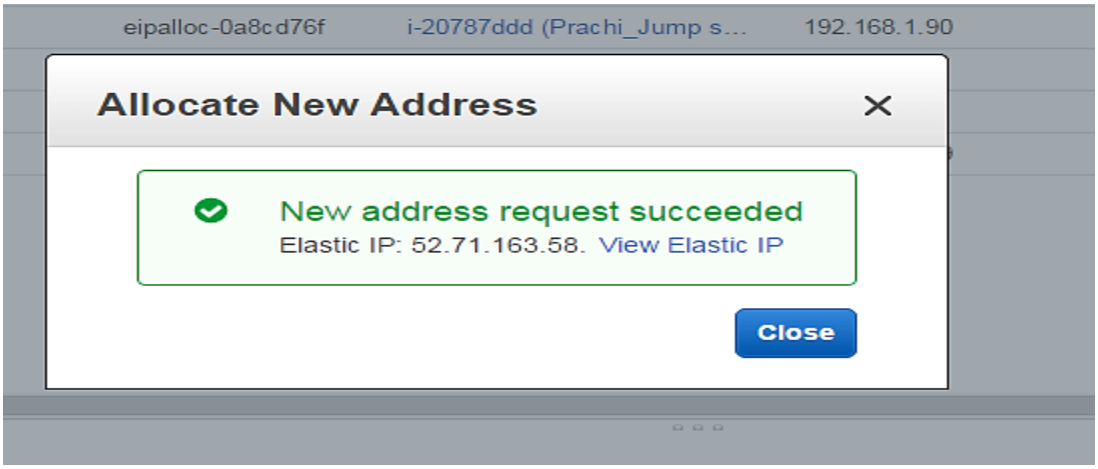
Elastic Ip is a purchased Static public ip in AWS we can allocate that to any of our instance.

Step 1: In the navigation pane, choose Elastic Ips and choose **Allocate new address**.



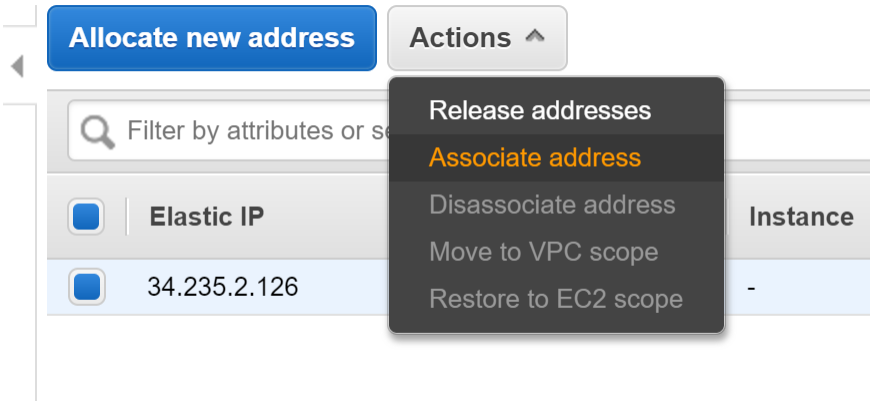
Step 2: For IPv4 address pool, choose **Amazon pool**.Choose Allocate, and close the confirmation screen.



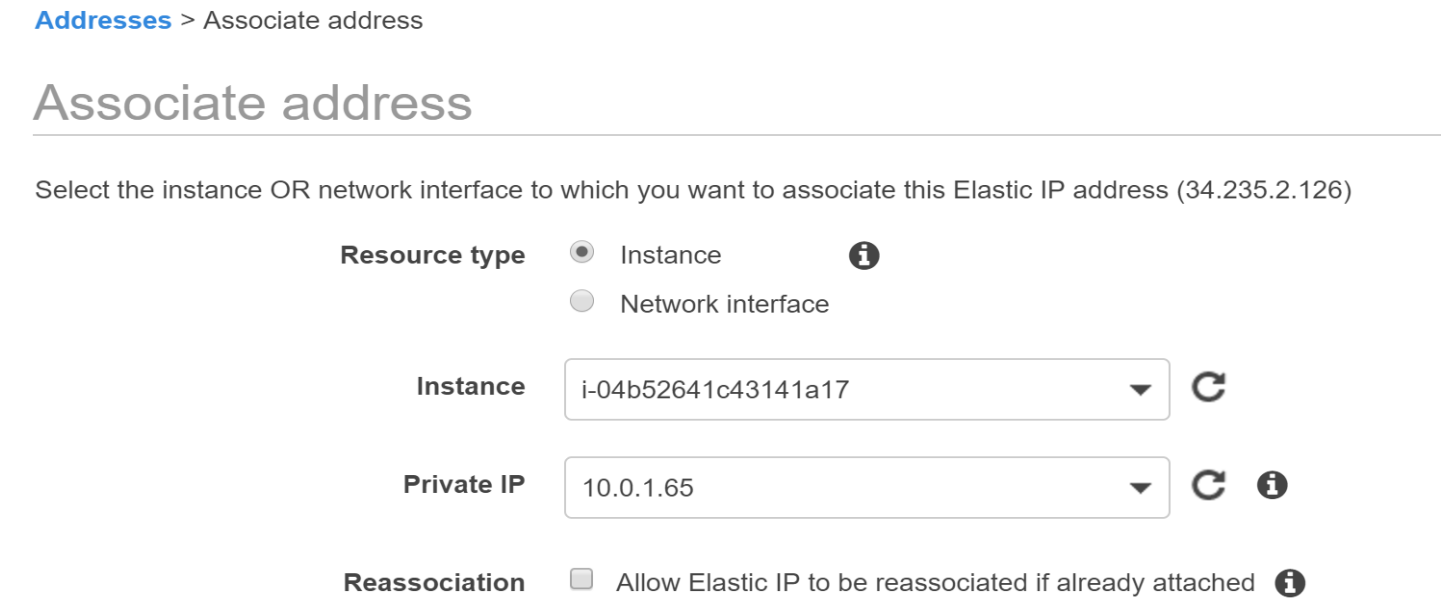


Associate IP to a instance

Step 3: Right click the EIP and click **Associate Address** to allocate it to a instance

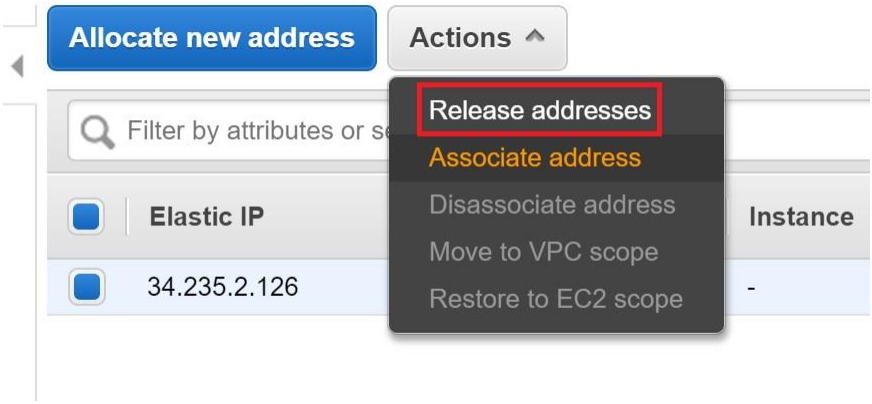


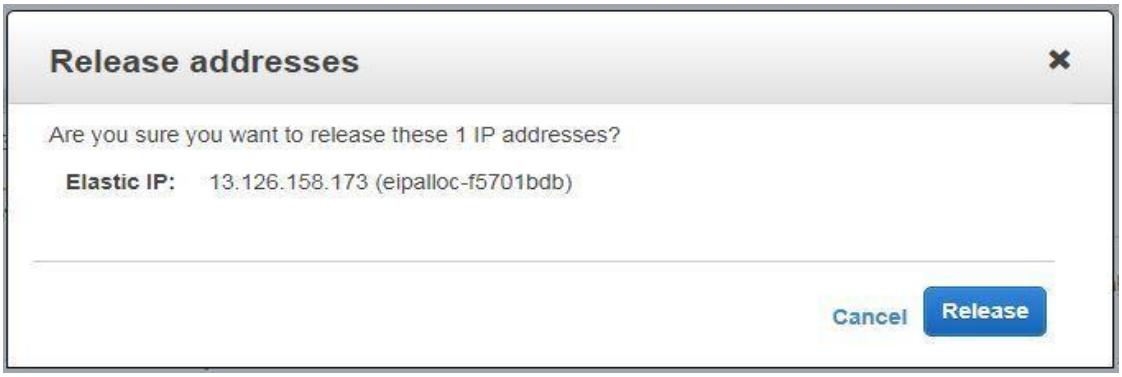
Provide the Instance details



The EIP will allocated to the instance

To Release IP Click **Release address**





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