

Module 2: Case Study -1

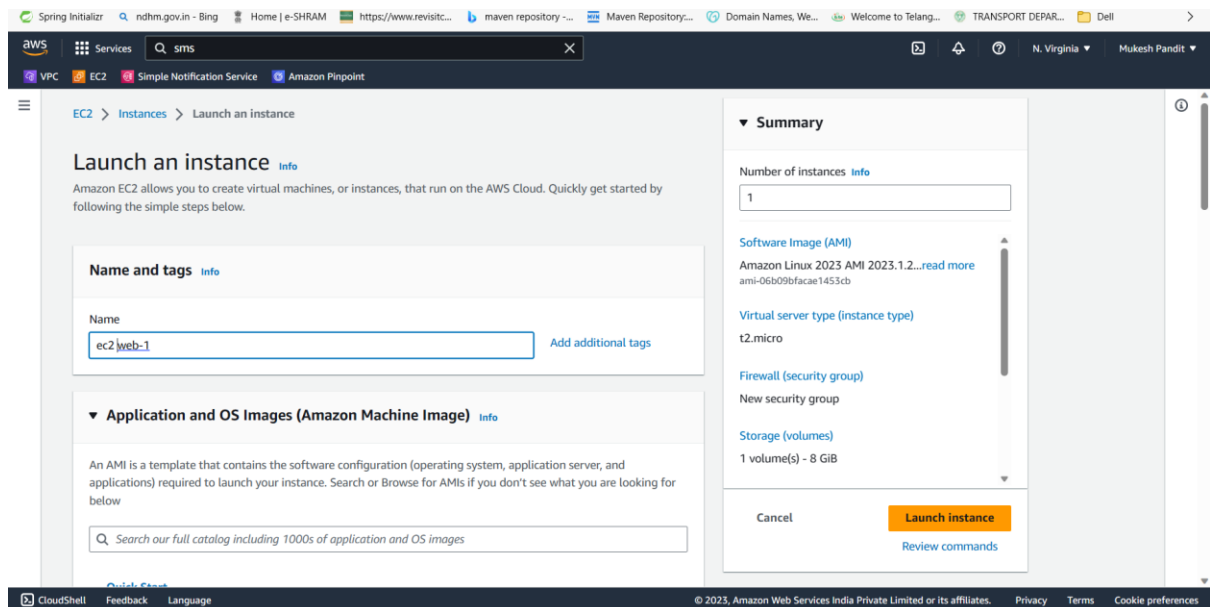
Tasks To Be Performed:

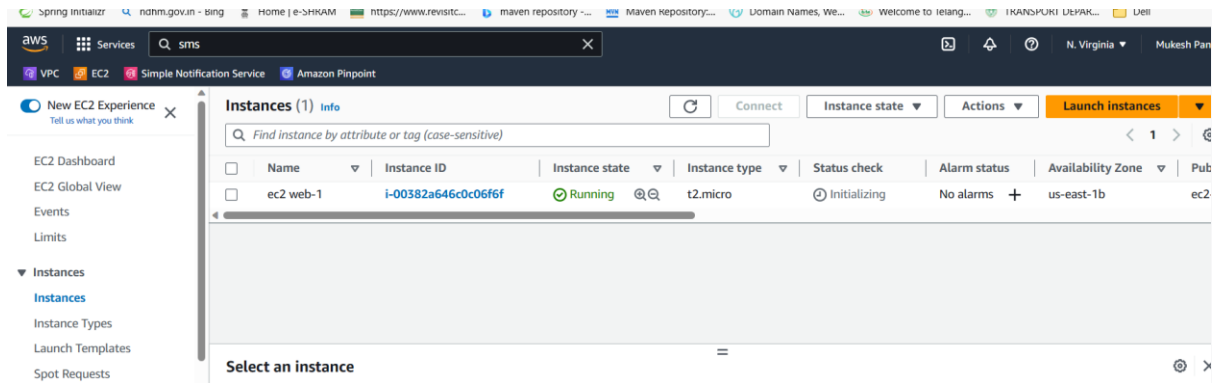
1. Create an instance in the US-East-1 (N. Virginia) region with Linux OS and manage the requirement of web servers of your company using AMI.
2. Replicate the instance in the US-West-2 (Oregon) region.
3. Build two EBS volumes and attach them to the instance in the US-East-1 (N. Virginia) region.
4. Delete one volume after detaching it and extend the size of the other volume.
5. Take backup of this EBS volume.

Answer:-

Create an instance in the US-East-1 (N. Virginia) region with Linux OS

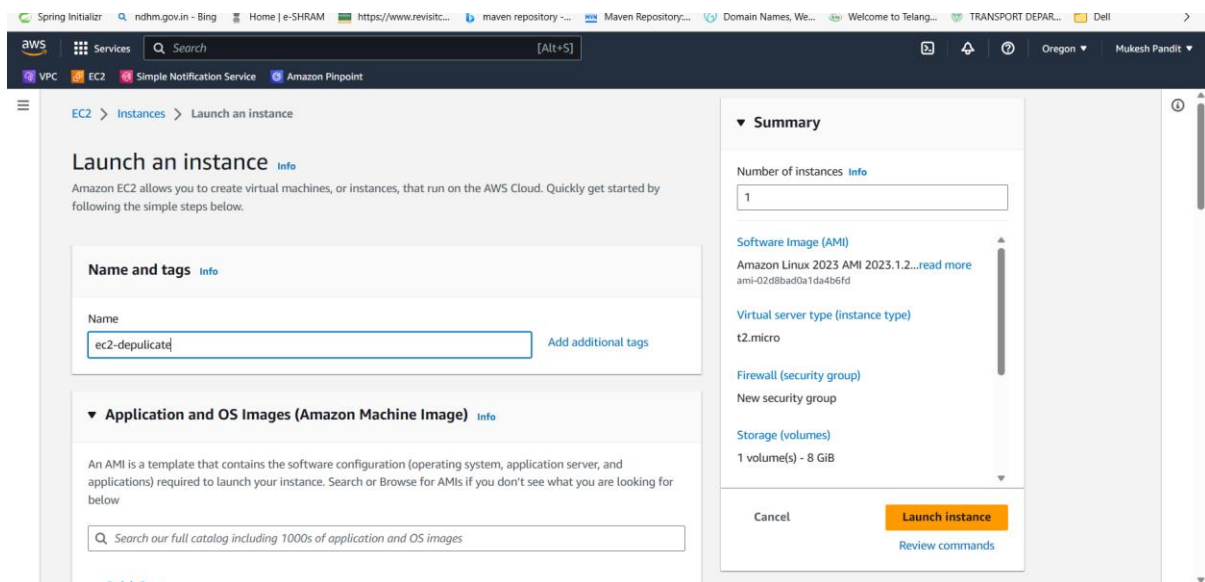
Go to the EC2 service

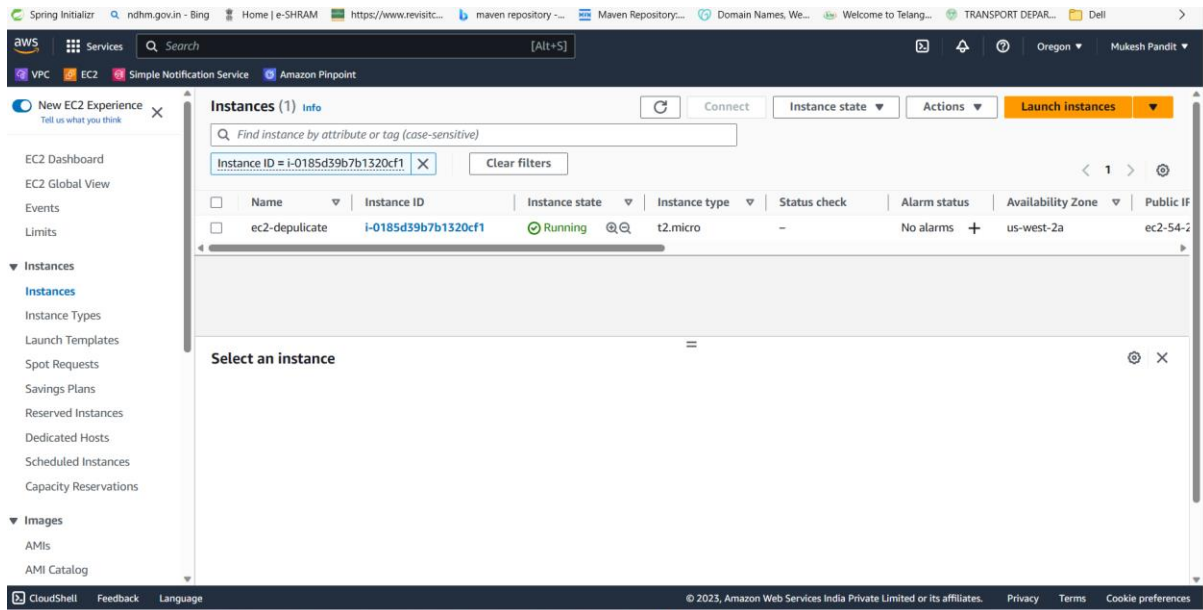




Next

Once the instance in the US-East-1 region is up and running, you can use various methods to replicate the instance in the US-West-2 region.





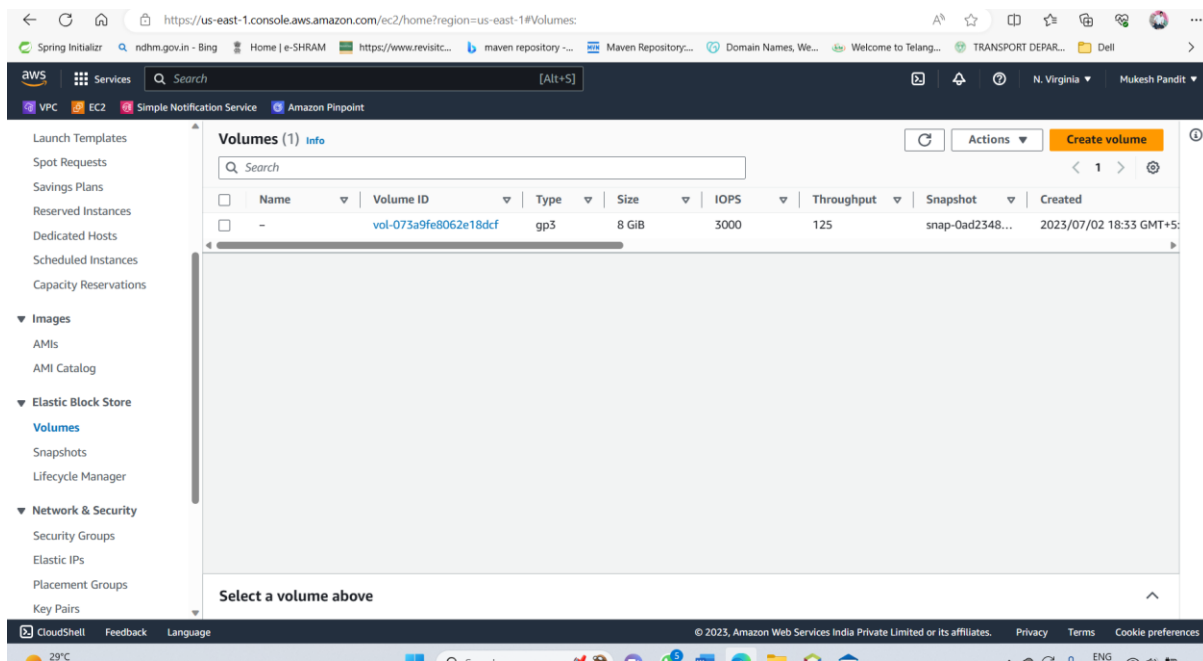
Build two EBS volumes and attach them to the instance in the US-East-1 (N. Virginia) region

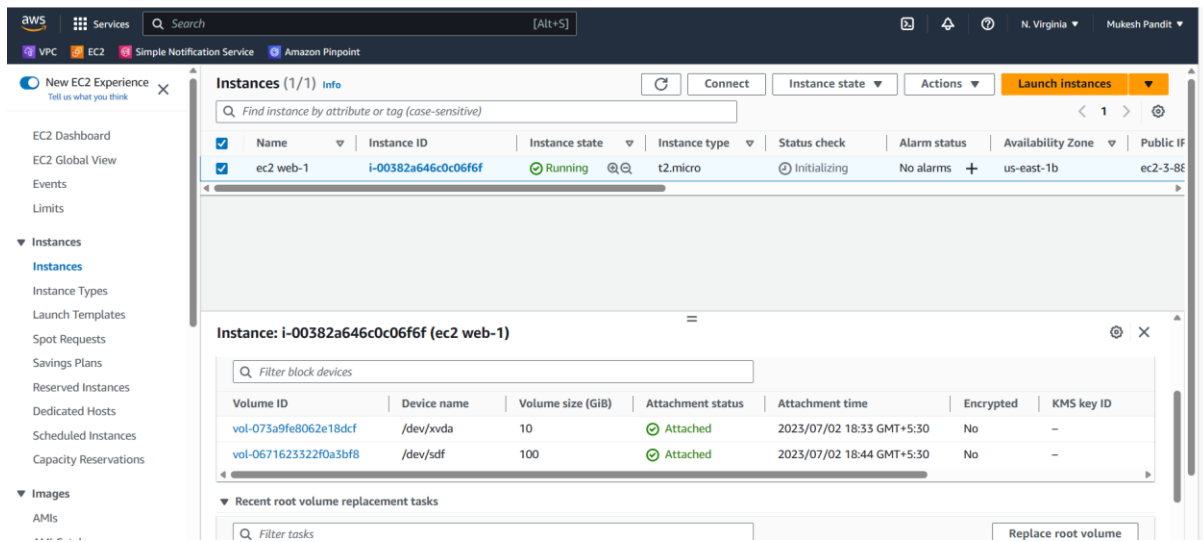
Go to the EC2 service.

Click on "Launch Instance" to start the instance

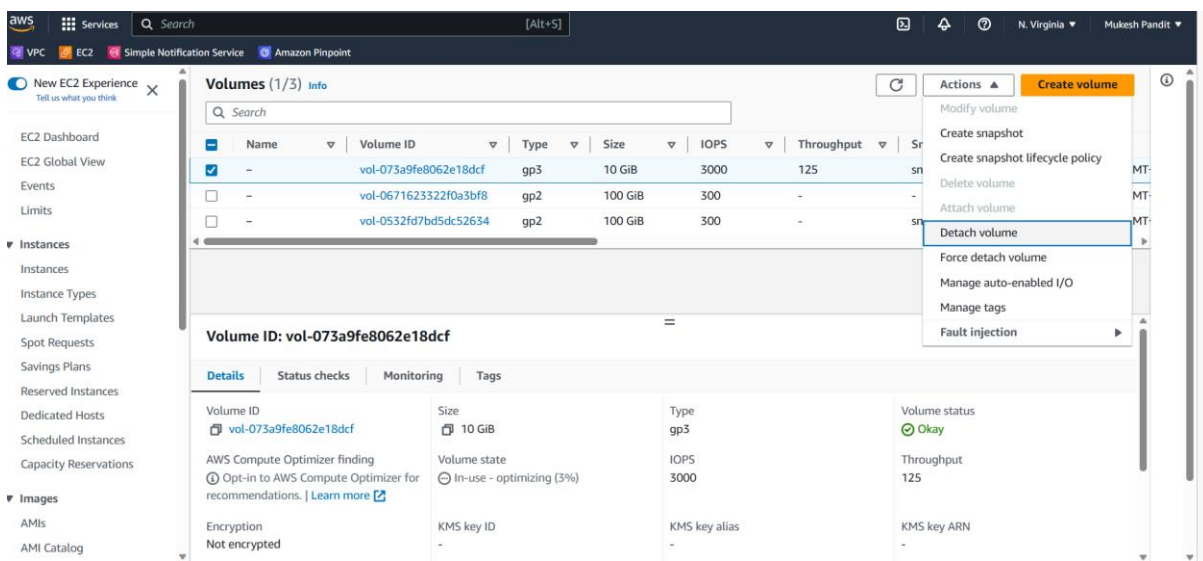
Then

Click on "Create Volume" to create two EBS volumes





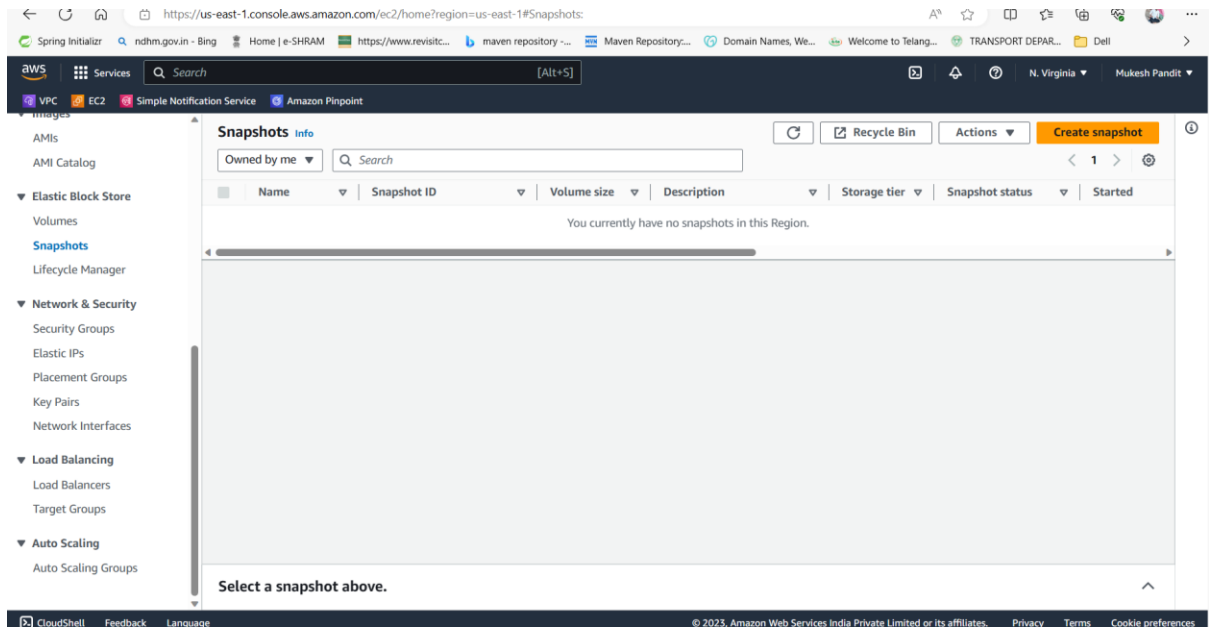
Take a backup of this EBS volume



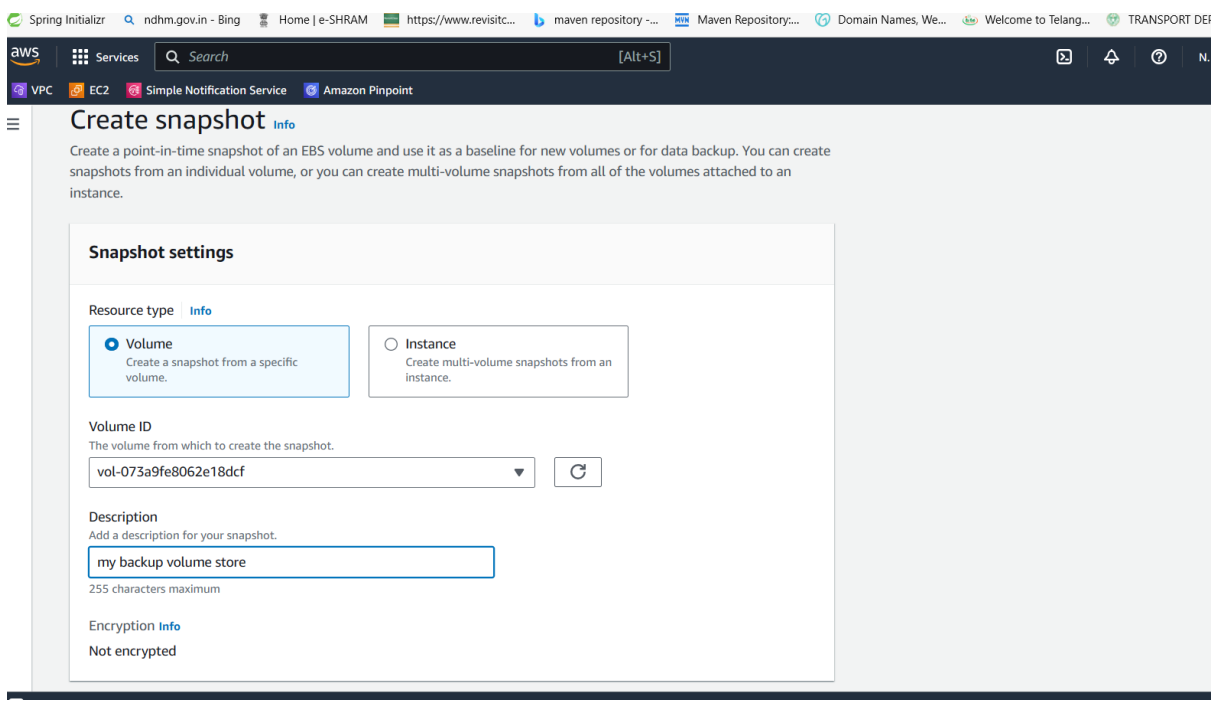
Delete one volume after detaching it and extend the size of the other volume

Afterwards create a snapshot

Click on "Actions" > "Create Snapshot"



Backup snapshot for volume you delete



Go to volume sidebar

Click on the snapshot check the back up of volume

The screenshot shows the AWS Management Console interface. At the top, a green banner indicates "Successfully created snapshot snap-0abf64e1aad96143d." Below this, the "Snapshots (1/1)" section is displayed. A table lists the snapshot with the following details:

Name	Snapshot ID	Volume size	Description	Storage tier	Snapshot status	St
-	snap-0abf64e1aad96143d	10 GiB	my backup volume store	Standard	Pending	20

Below the table, the "Snapshot ID: snap-0abf64e1aad96143d" details are shown in a grid:

Snapshot ID snap-0abf64e1aad96143d	Volume size 10 GiB	Progress Unavailable 3%	Snapshot status Pending
Owner 163220737335	Volume ID vol-073a9fe8062e18dcf	Started Sun Jul 02 2023 19:01:13 GMT+0530 (India Standard Time)	Product codes -
Encryption Not encrypted	KMS key ID -	KMS key alias -	KMS key ARN -

Then check out the backup volume show in ec2 instance

Assignment completed