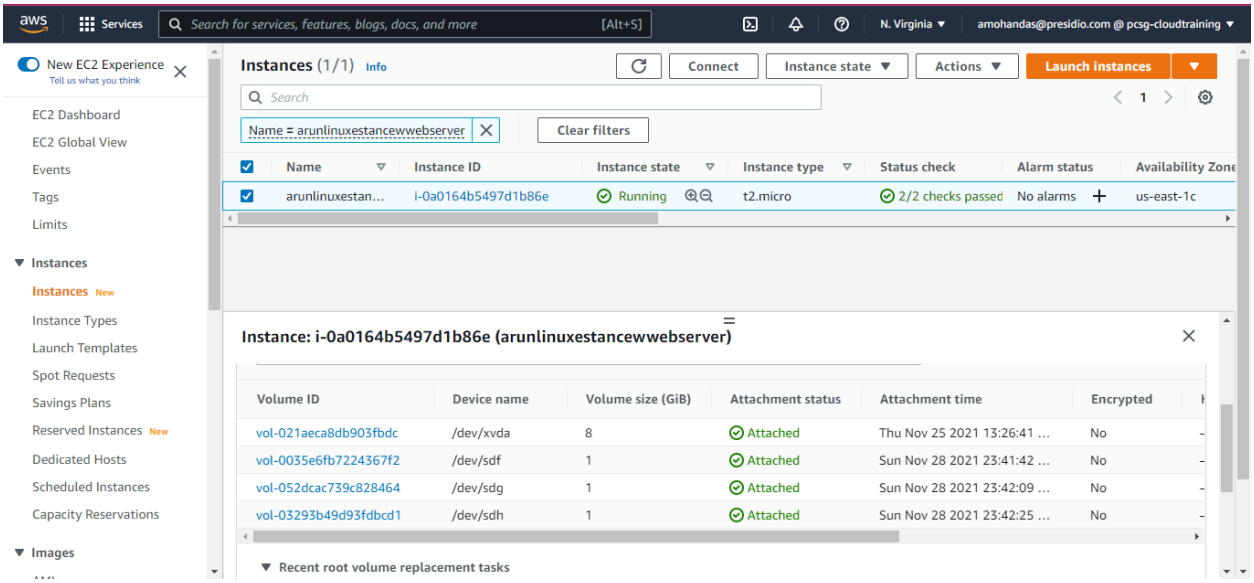
DAY 5 ASSIGNMENTS ARUNKUMAR M

1) Create GI of an instance with 3 EBS vol attached in N.virginia & deploy instance using this image in Ohio

Base instance in North Virginia



GI created in North Virginia region

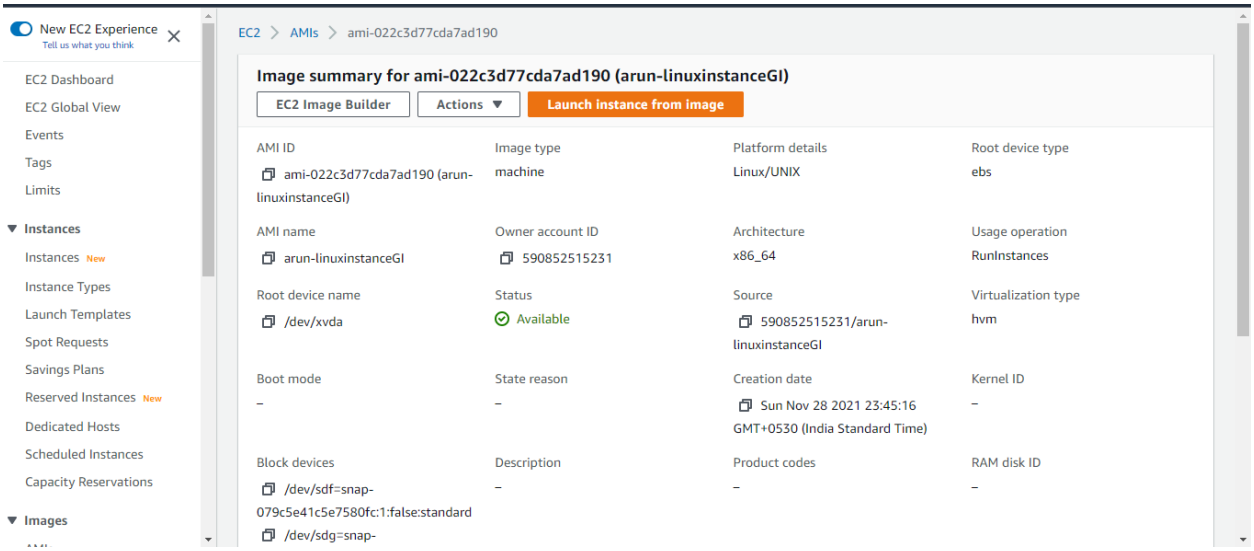
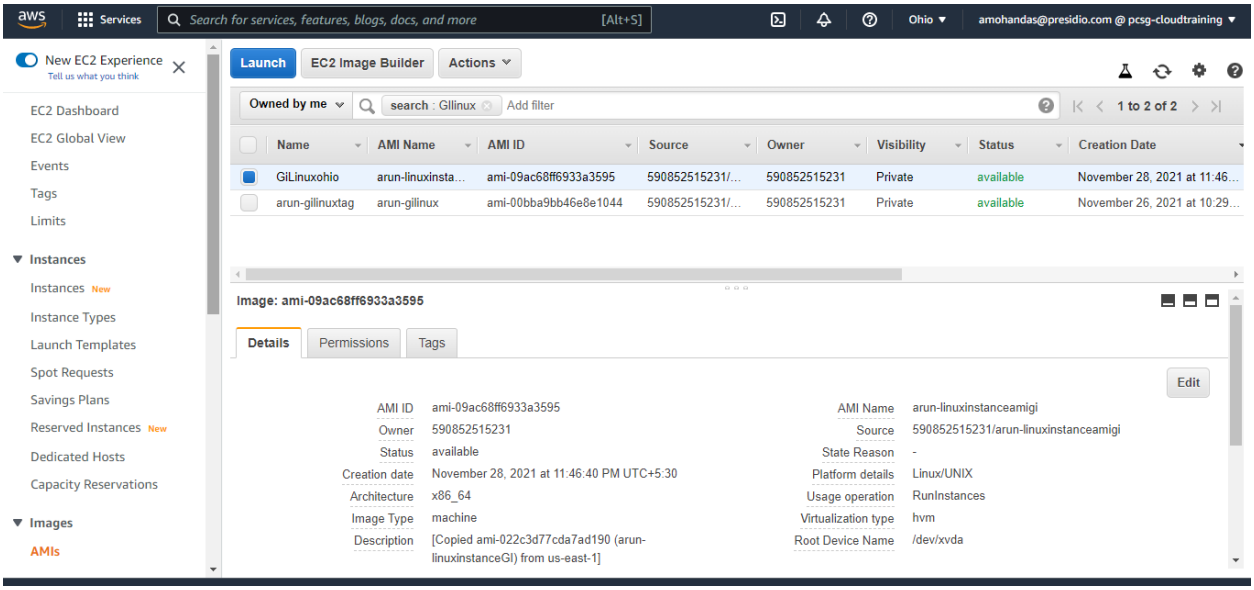
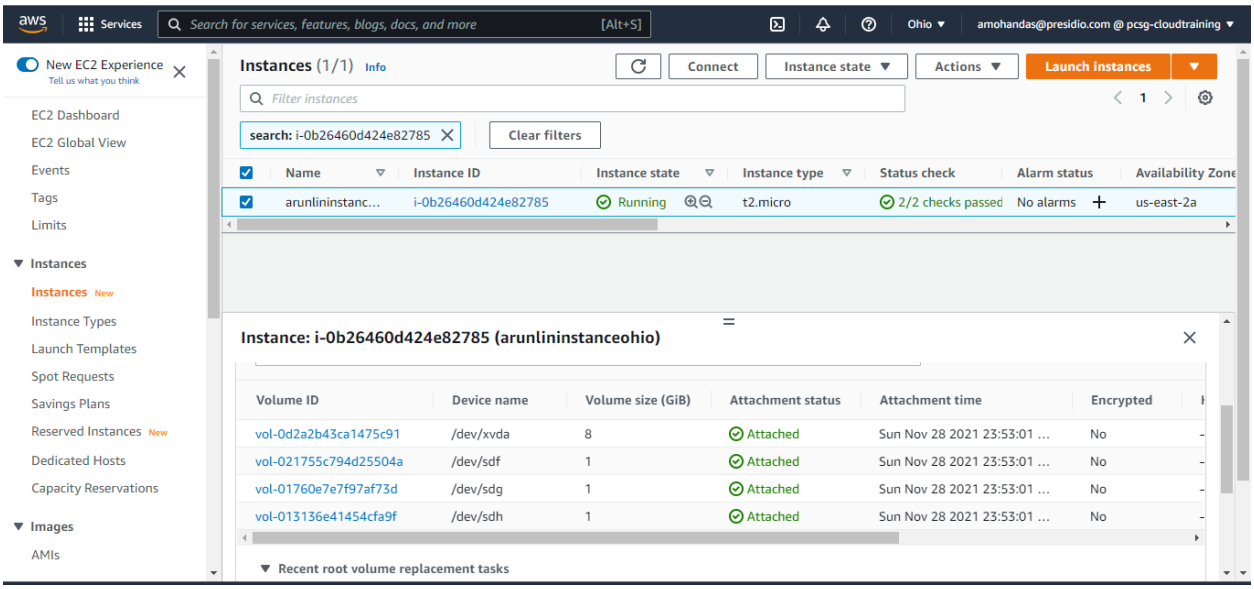


Image in Ohio



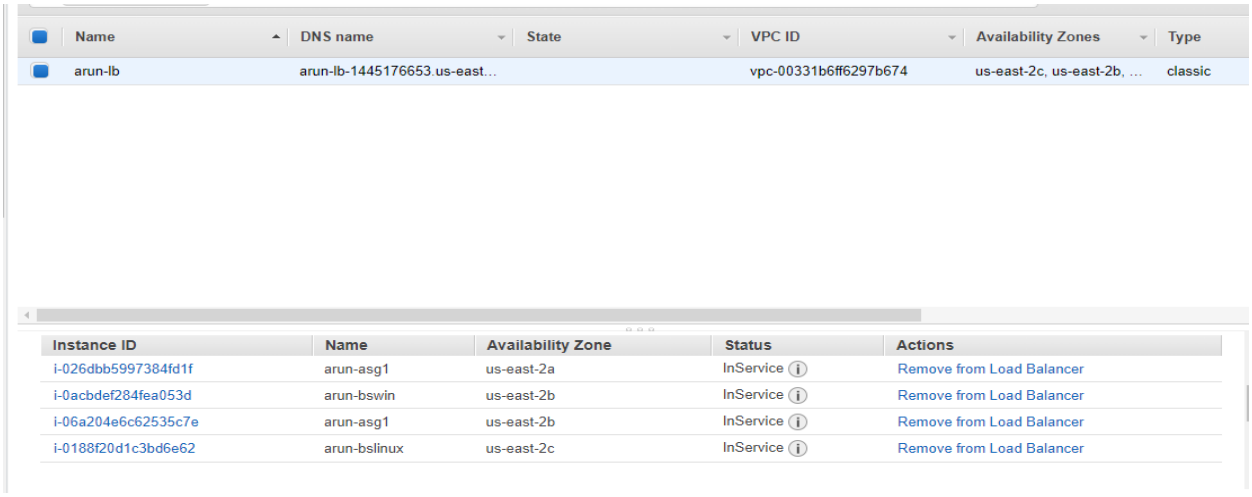
Launched Linux instance in Ohio



Checked working of webinstance in Ohio

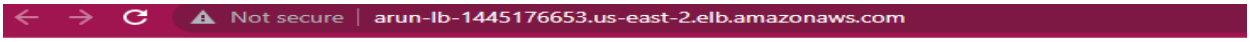
Hello World!

2) Deploy LB & AS to monitor scale-out behavior



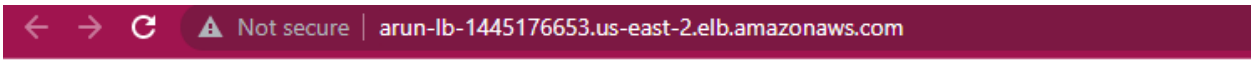
Name	DNS name	State	VPC ID	Availability Zones	Type
arun-lb	arun-lb-1445176653.us-east...		vpc-00331b6ff6297b674	us-east-2c, us-east-2b, ...	classic

Instance ID	Name	Availability Zone	Status	Actions
i-026dbb5997384fd1f	arun-asg1	us-east-2a	InService	Remove from Load Balancer
i-0acbdef284fea053d	arun-bswin	us-east-2b	InService	Remove from Load Balancer
i-06a204e6c62535c7e	arun-asg1	us-east-2b	InService	Remove from Load Balancer
i-0188f20d1c3bd6e62	arun-bslinux	us-east-2c	InService	Remove from Load Balancer



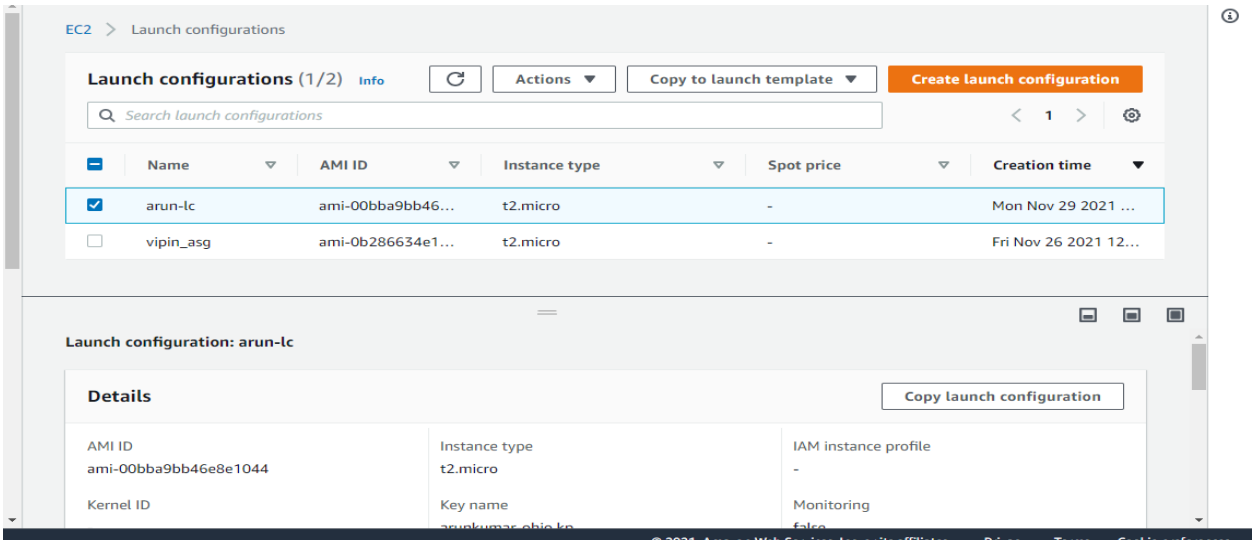
My First Heading

My first paragraph.

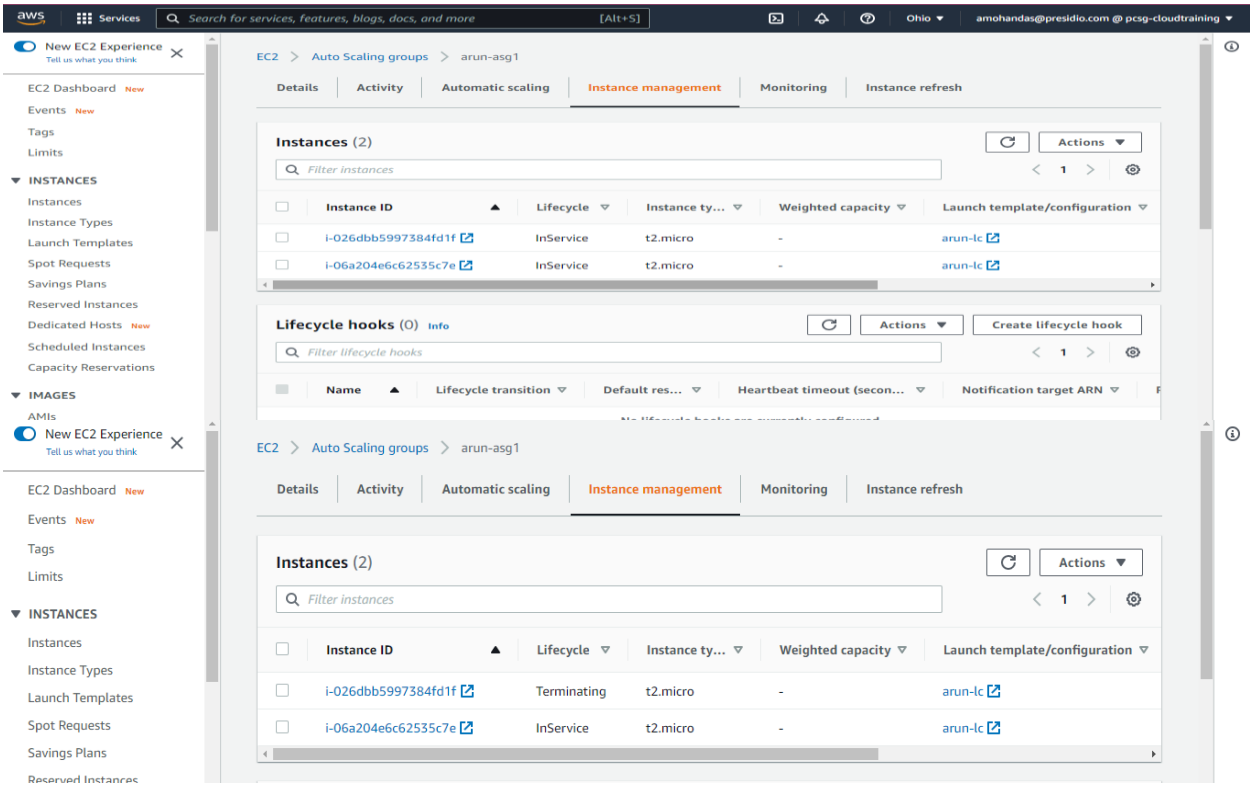


Hey im in linux webserver

Launch Configuration



Auto-Scaling

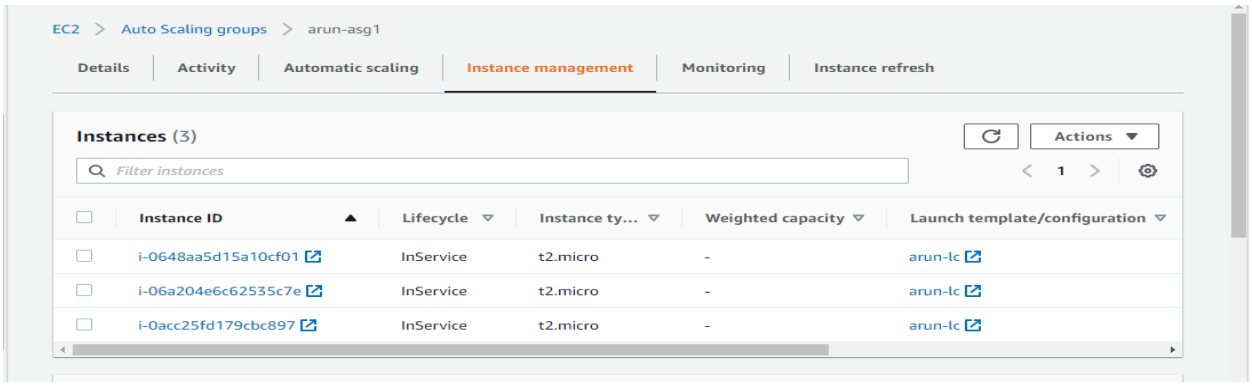


Scale-in behaviour

Successful	Terminating EC2 instance: i-026dbb5997384fd1f	At 2021-11-29T01:53:21Z a monitor alarm TargetTracking-arun-asg1-AlarmLow-3aef9f93-562c-4465-9b47-4f5cd1160220 in state ALARM triggered policy Target Tracking Policy changing the desired capacity from 2 to 1. At 2021-11-29T01:53:35Z an instance was taken out of service in response to a difference between desired and actual capacity, shrinking the capacity from 2 to 1. At 2021-11-29T01:53:35Z instance i-026dbb5997384fd1f was selected for termination.

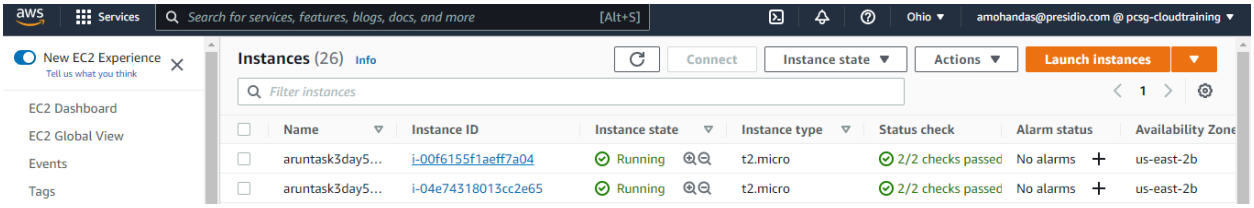
Scale-out behavior (using stress)

WaitingForInstanceWarmup	Launching a new EC2 instance: i-0acc25fd179cbc897	At 2021-11-29T02:08:44Z a monitor alarm TargetTracking-arun-asg1-AlarmHigh-9b0927a4-ed69-4a2e-be01-d30765e233a1 in state ALARM triggered policy Target Tracking Policy changing the desire capacity from 1 to 2. At 2021-11-29T02:08:50Z an instance was started in response to a difference between desired and actual capacity, increasing the capacity from 1 to 2.

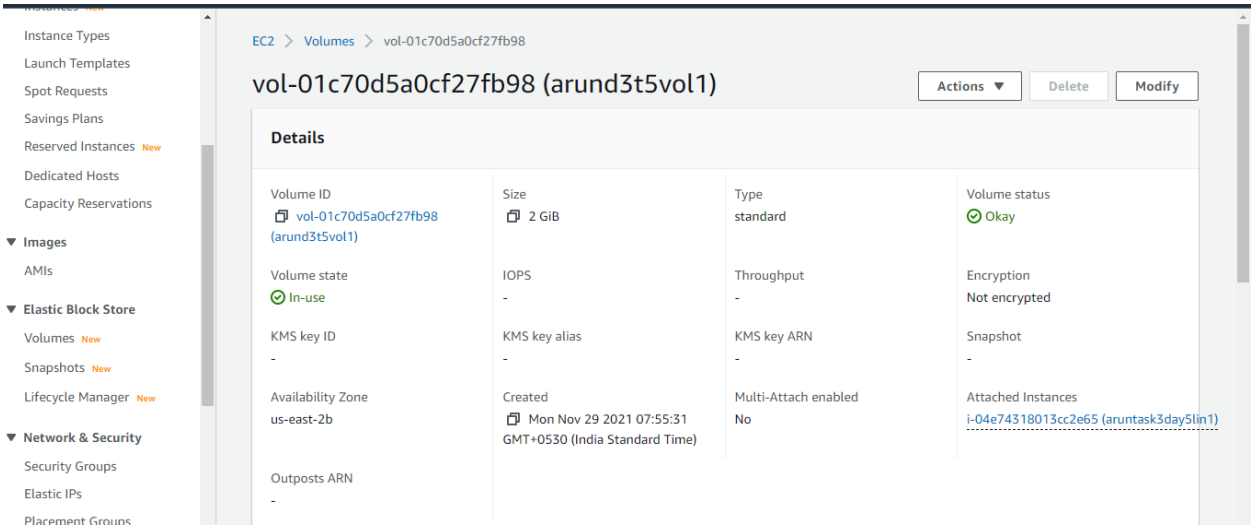


3)Restore data vol snapshot & attach this vol to another instance & verify it

Created two instances



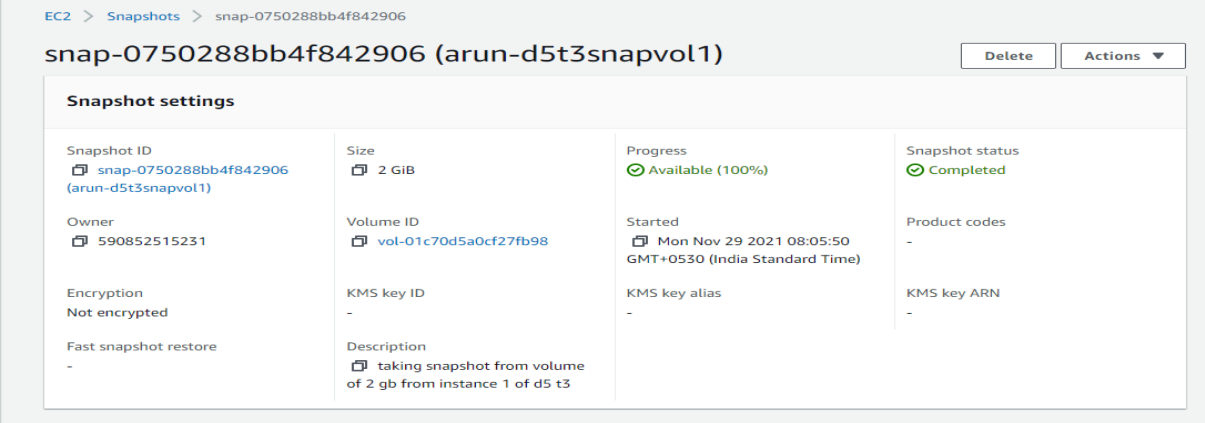
Created volume and attached to instance1



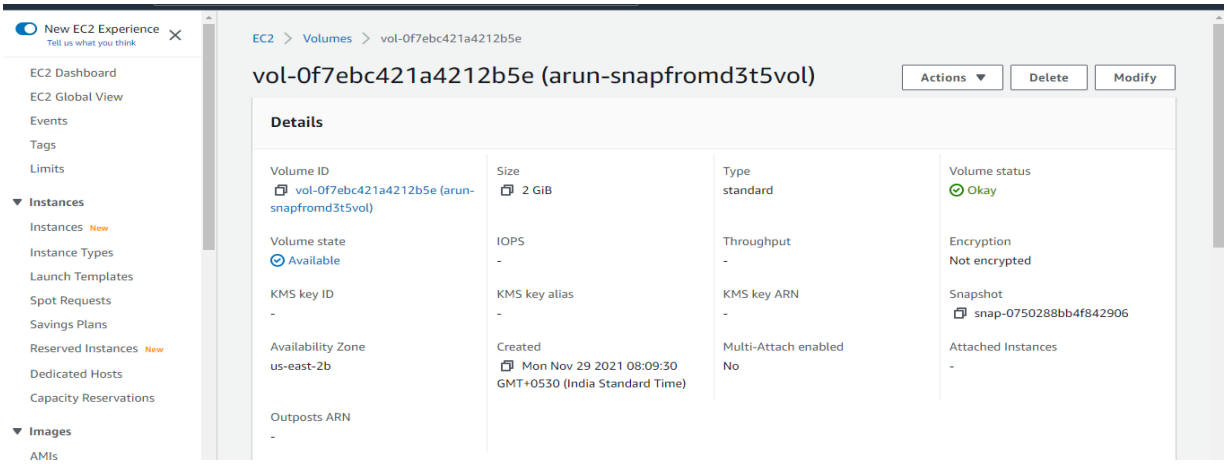
Mounted the volume and created a directory and a file in it

```
[root@ip-172-31-29-115 ec2-user]# sudo mount -t auto /dev/xv
df /mnt/datavolume/
[root@ip-172-31-29-115 ec2-user]# sudo mkdir arun
[root@ip-172-31-29-115 ec2-user]# cd arun
[root@ip-172-31-29-115 arun]# cd ..
[root@ip-172-31-29-115 ec2-user]# pwd
/home/ec2-user
[root@ip-172-31-29-115 ec2-user]# cd /mnt/datavolume/
[root@ip-172-31-29-115 datavolume]# sudo mkdir arun
[root@ip-172-31-29-115 datavolume]# cd arun
[root@ip-172-31-29-115 arun]# touch arunfilefromvolume.txt
[root@ip-172-31-29-115 arun]# ls
arunfilefromvolume.txt
[root@ip-172-31-29-115 arun]#
```

Created Snapshot of volume



Volume creation using snapshot



Mounting the created volume (from snapshot) in instance 2 and verifying if the created directory and file is present

```
Device       Start      End  Sectors Size Type
/dev/xvda1    4096 16777182 16773087   8G Linux filesystem
/dev/xvda128  2048     4095     2048   1M BIOS boot

Partition table entries are not in disk order.


Disk /dev/xvdf: 2 GiB, 2147483648 bytes, 4194304 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
[root@ip-172-31-16-185 ec2-user]# mkdir -p /mnt/datavolume
[root@ip-172-31-16-185 ec2-user]# mount -t auto /dev/xvdf /m
nt/datavolume/
[root@ip-172-31-16-185 ec2-user]# cd /mnt/datavolume
[root@ip-172-31-16-185 datavolume]# ls
arun  lost+found
[root@ip-172-31-16-185 datavolume]# cd arun
[root@ip-172-31-16-185 arun]# ls
arunfilefromvolume.txt
[root@ip-172-31-16-185 arun]#
```

i-00f6155f1aeff7a04 (aruntask3day5lin2)