# [KAN-1] Day 2 : Task 1 - Customizing EC2 machine (Static IP, Volume Adjustments, Instance type, Snapshot, AMI) - Gautham

Created: 22/Oct/24 Updated: 23/Oct/24 Resolved: 23/Oct/24

| | |
|---|---|
| **Status:** | Done |
| **Project:** | Alpha |
| **Components:** | None |
| **Affects versions:** | None |
| **Fix versions:** | None |

| | | | |
|---|---|---|---|
| **Type:** | Task | **Priority:** | Medium |
| **Reporter:** | Gautham Srinivasan | **Assignee:** | Gautham Srinivasan |
| **Resolution:** | Done | **Votes:** | 0 |
| **Labels:** | None | | |
| **Remaining Estimate:** | Not Specified | | |
| **Time Spent:** | Not Specified | | |
| **Original estimate:** | Not Specified | | |

| | |
|---|---|
| **Attachments:** | image-20241022-125547.png image-20241022-125503.png image-20241022-125635.png image-20241022-125658.png image-20241022-125333.png image-20241022-132759.png image-20241022-180253.png image-20241022-182739.png image-20241022-184115.png image-20241022-184543.png image-20241022-184646.png image-20241022-185134.png |
| **Issue links:** | **Cloners**<br>is cloned by ~~KAN-2~~ Day 2 : Task 1 - Customizing EC2 mac... Done |
| **Rank:** | 0\|hzzzzt: |

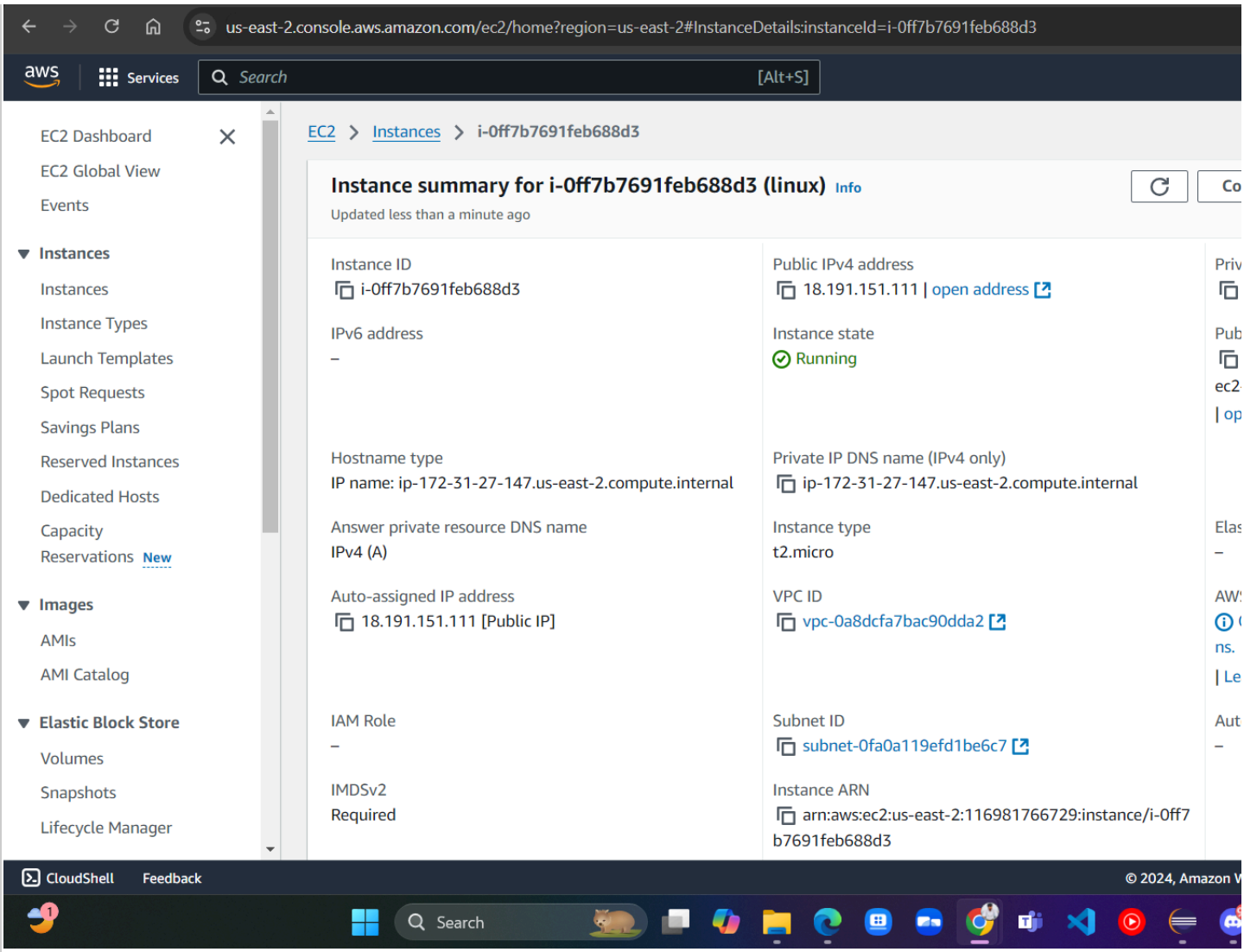
## Description

1. Associate elastic IP while your server instance is running
2. Mount the added new volume to the original volume
3. Change the instance type of your server instance
4. Create snapshot for root volume
5. Create snapshot for the instance with multiple volume
6. Create AMI and launch your instance using AMI

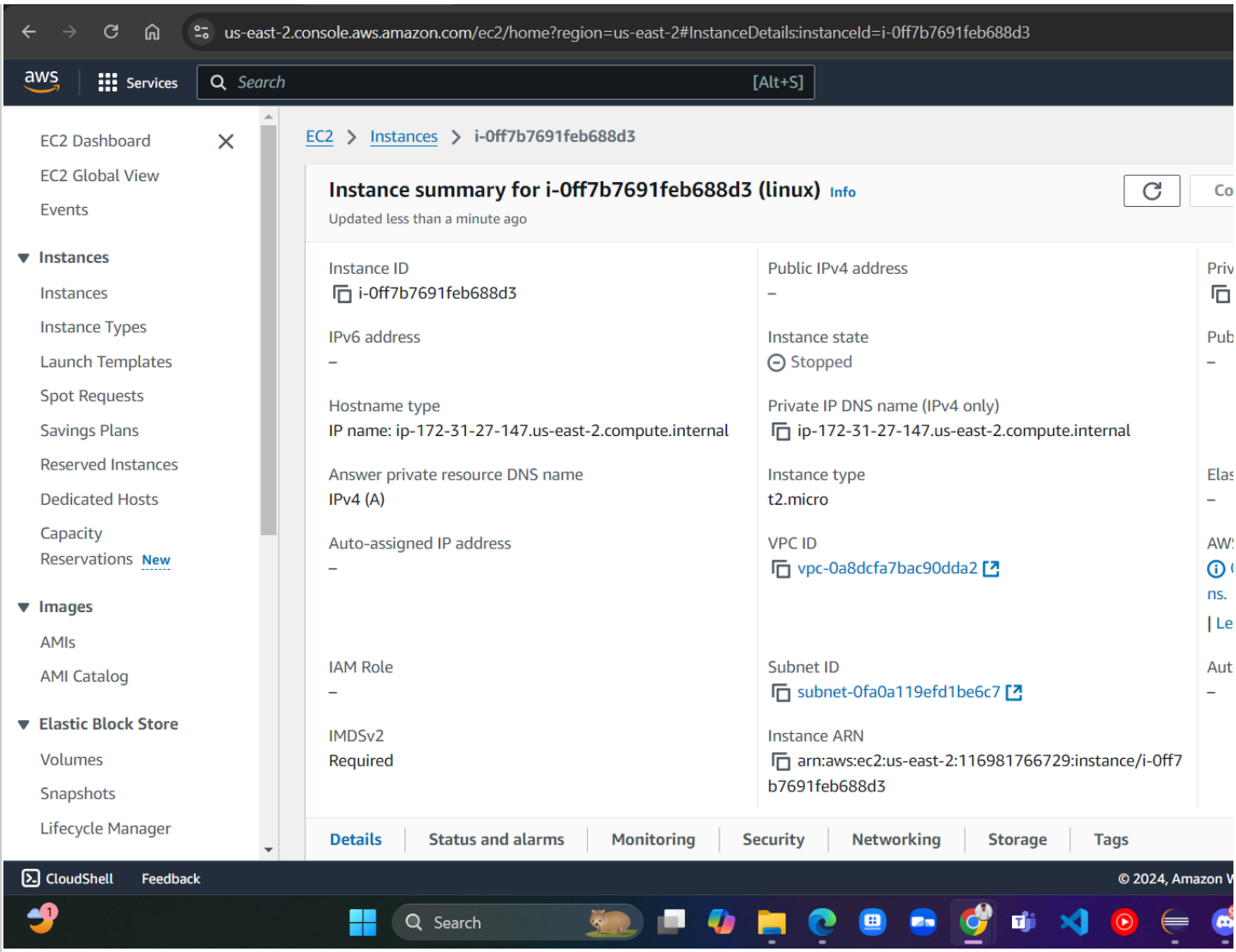
## Comments

Comment by Gautham Srinivasan [ 22/Oct/24 ]

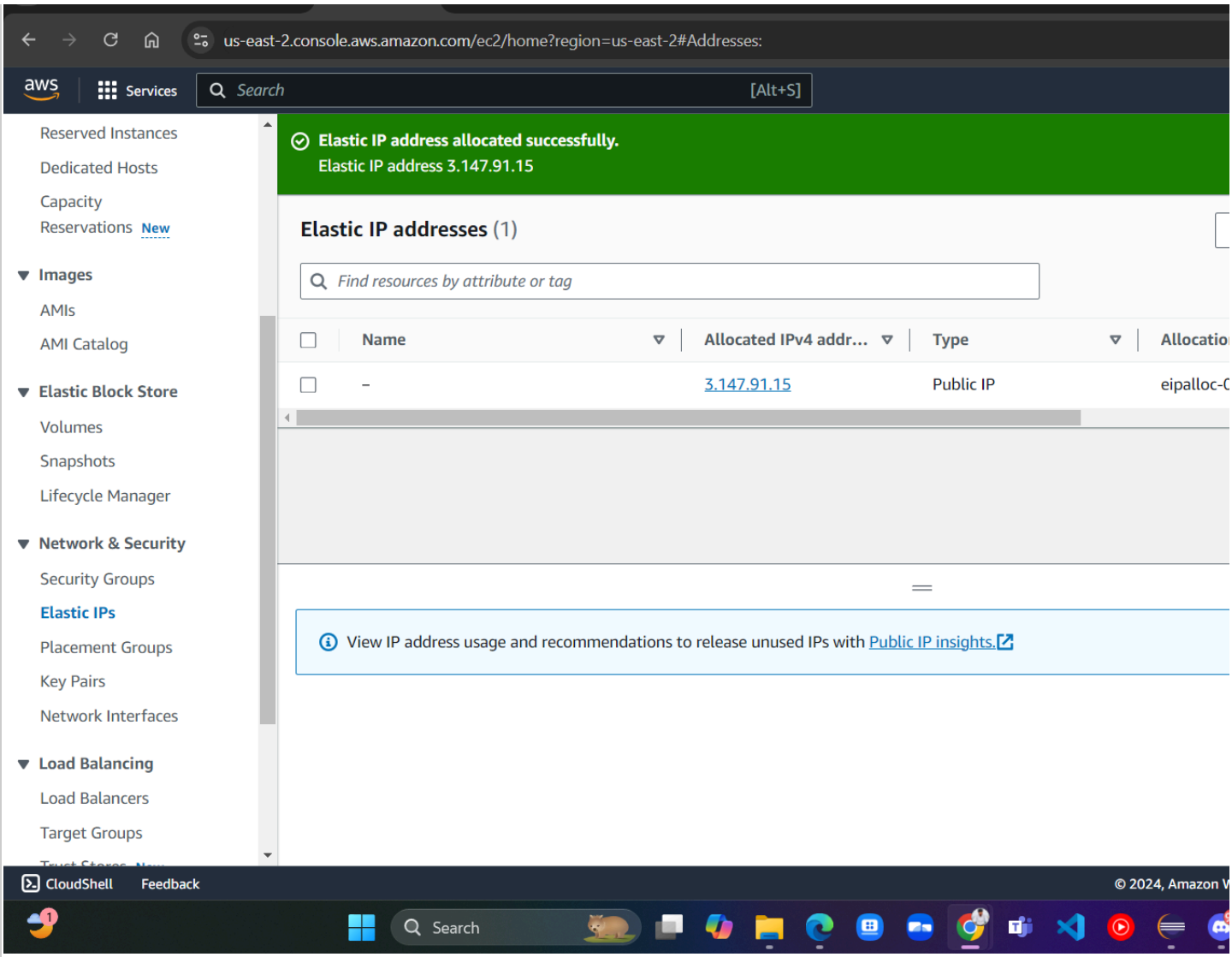
1. before associating static ip address



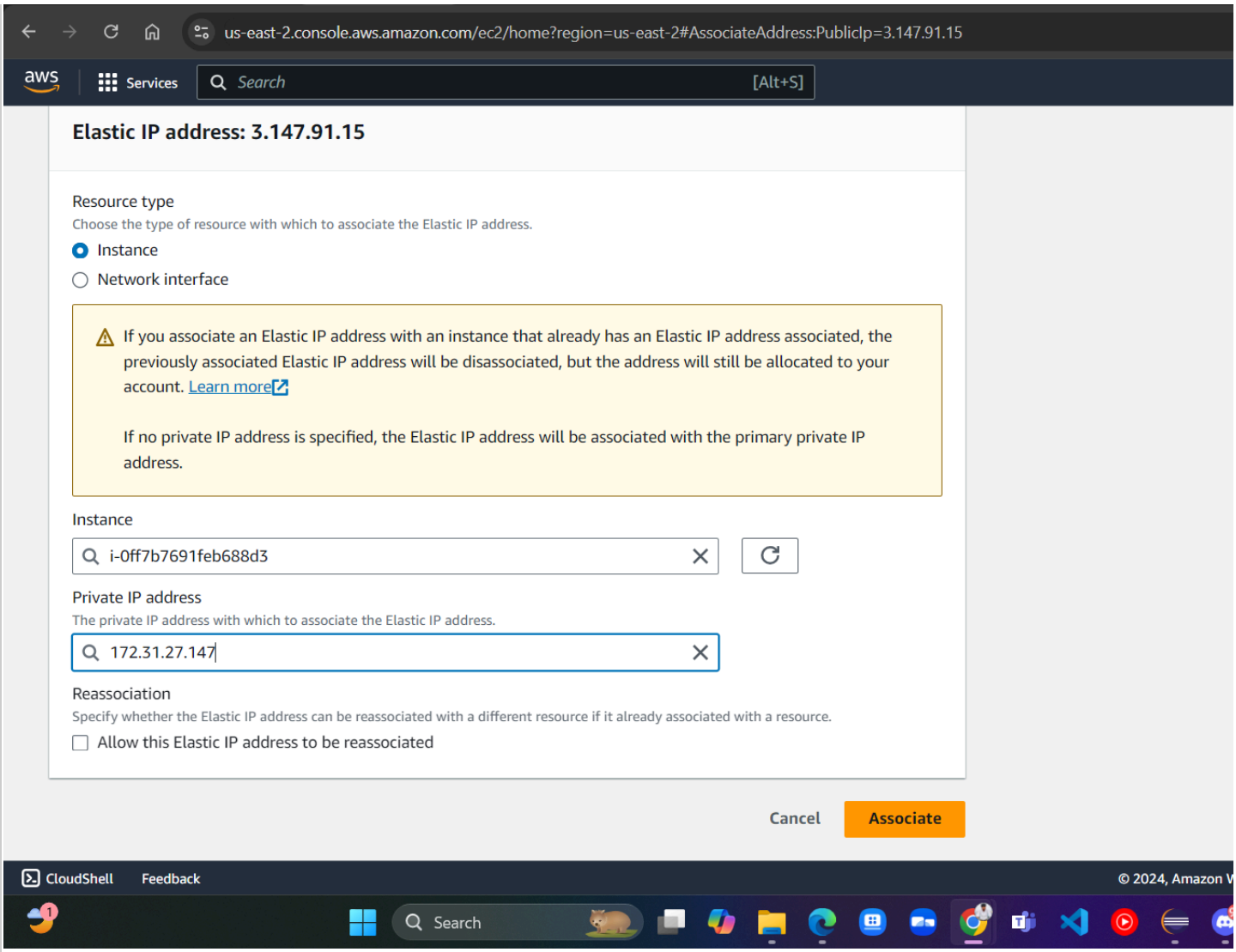

1. after stopping the instance

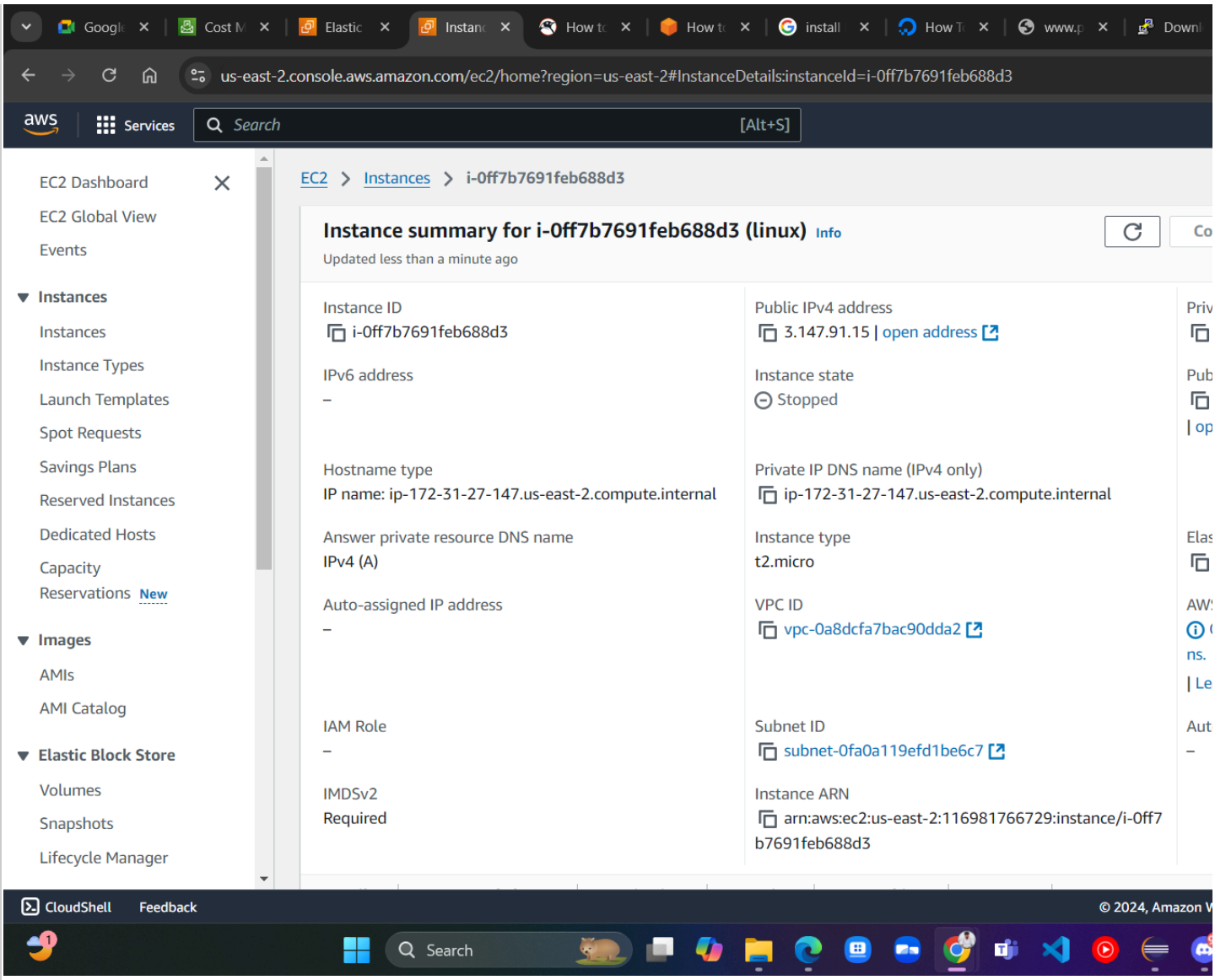



after allocating a static ip



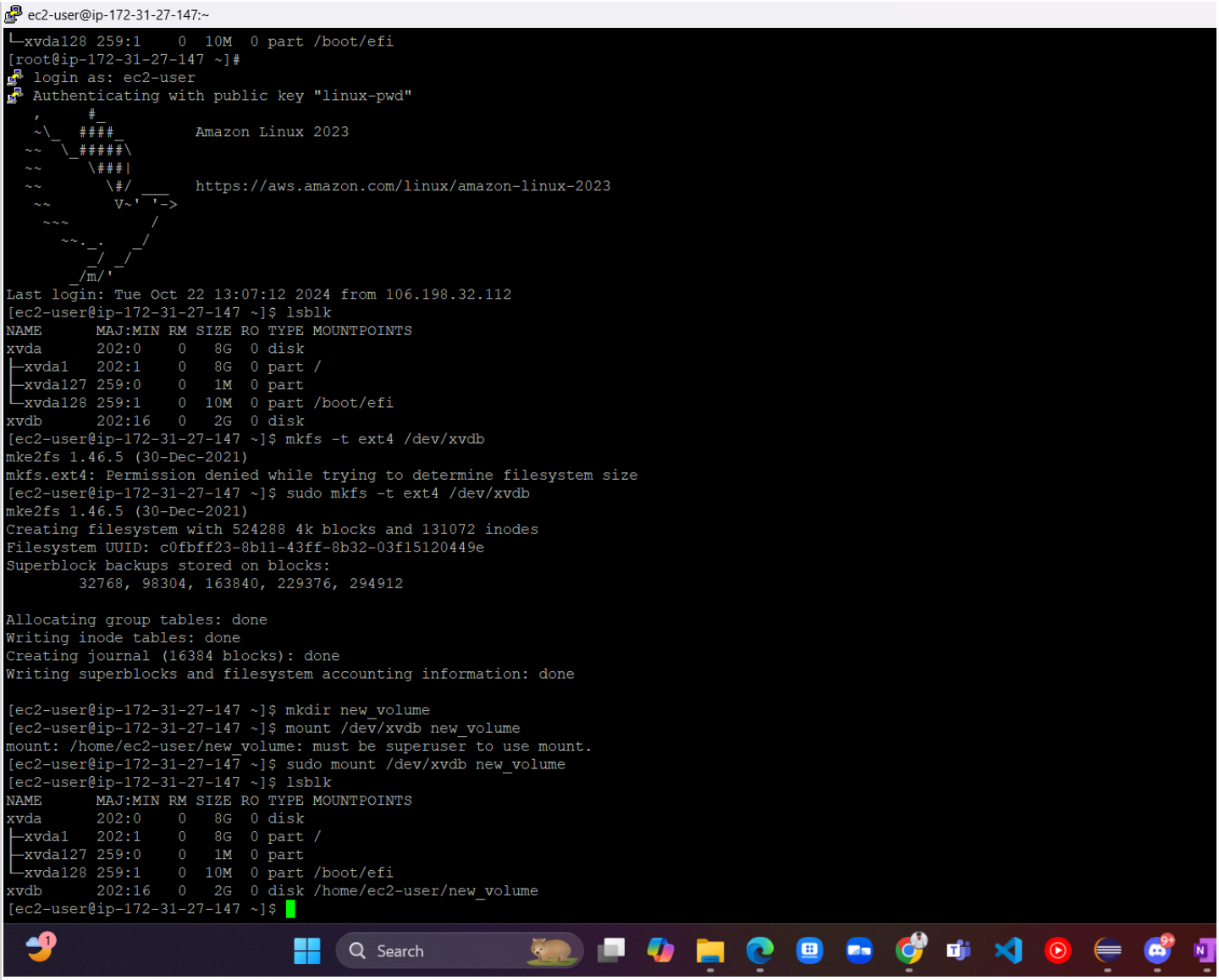

after associating the ip


us-east-2.console.aws.amazon.com/ec2/home?region=us-east-2#AssociateAddress:PublicIp=3.147.91.15
aws
Services
Search
[Alt+S]
Elastic IP address: 3.147.91.15
Resource type
Choose the type of resource with which to associate the Elastic IP address.
Instance
Network interface
If you associate an Elastic IP address with an instance that already has an Elastic IP address associated, the previously associated Elastic IP address will be disassociated, but the address will still be allocated to your account. Learn more
If no private IP address is specified, the Elastic IP address will be associated with the primary private IP address.
Instance
i-0ff7b7691feb688d3
Private IP address
The private IP address with which to associate the Elastic IP address.
172.31.27.147
Reassociation
Specify whether the Elastic IP address can be reassociated with a different resource if it already associated with a resource.
Allow this Elastic IP address to be reassociated
Cancel
Associate
CloudShell
Feedback
© 2024, Amazon
Search



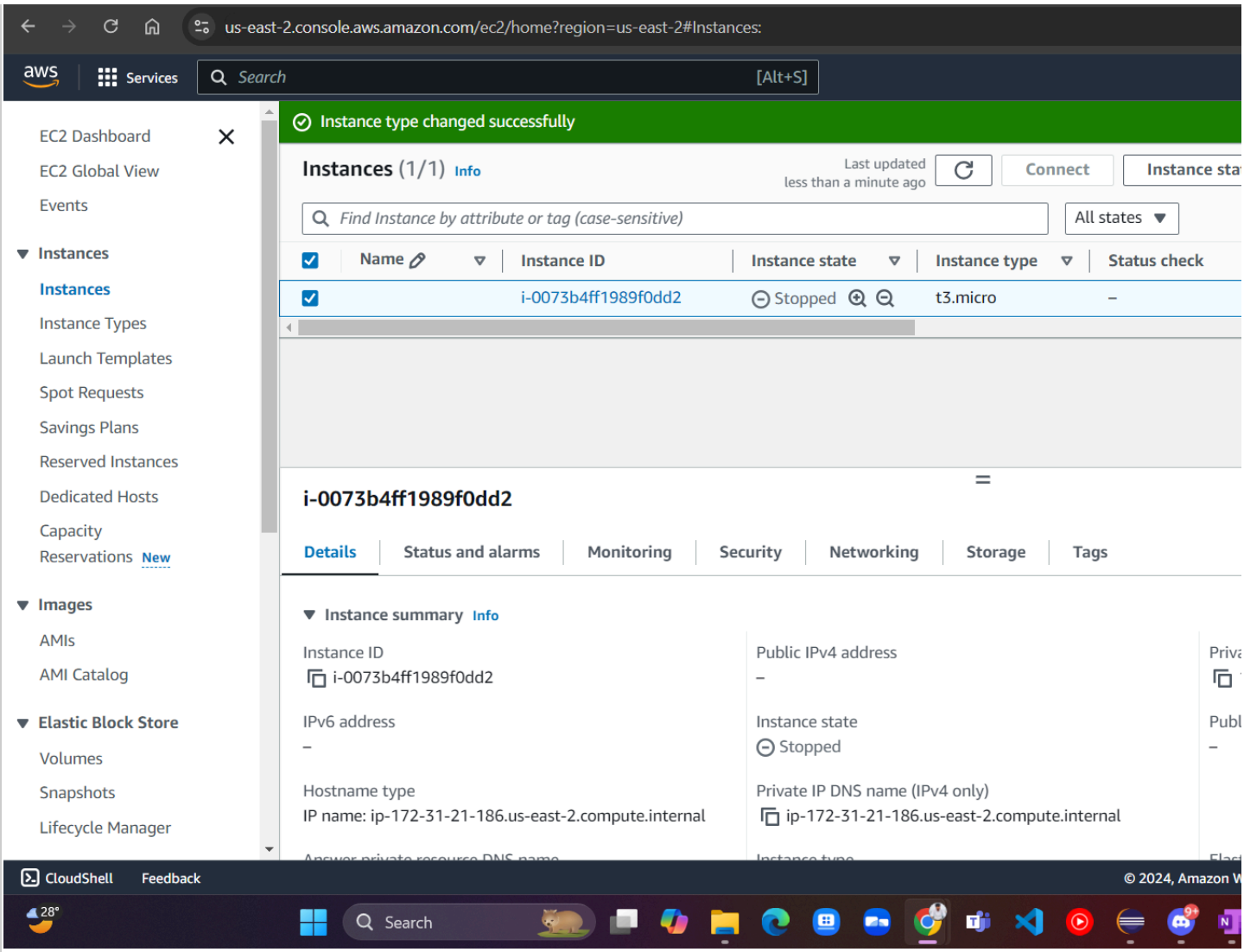

Comment by Gautham Srinivasan [ 22/Oct/24 ]

mount using command



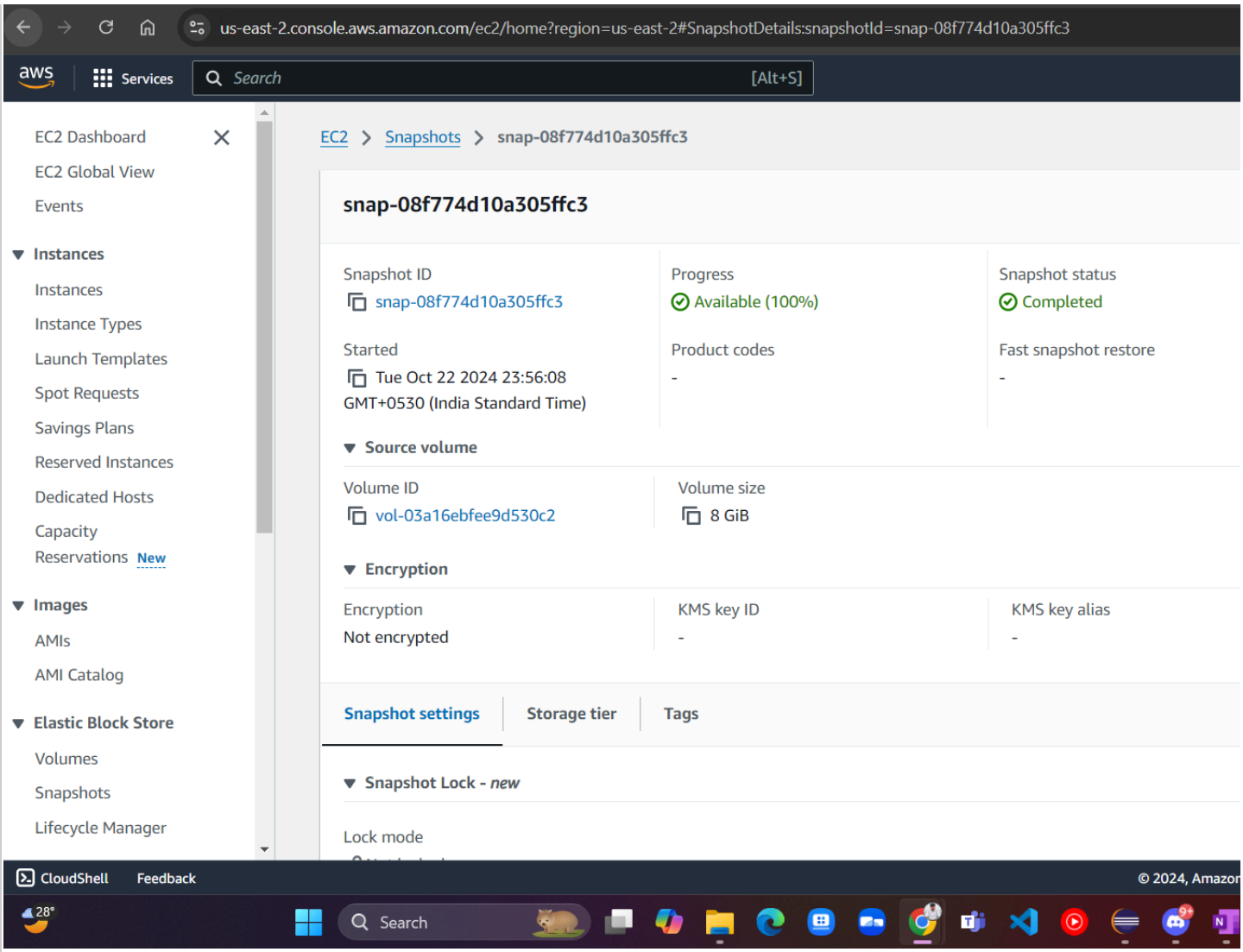

Comment by Gautham Srinivasan [ 22/Oct/24 ]

step 3: Changing the instance type from t2.micro to t3.micro




Comment by Gautham Srinivasan [ 22/Oct/24 ]

step 4: creating a snapshot from root volume

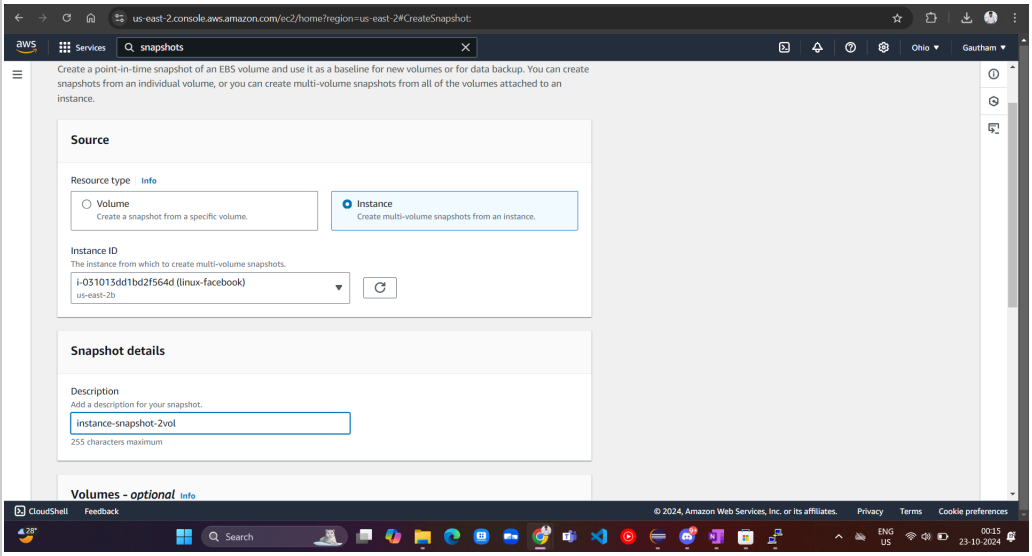

us-east-2.console.aws.amazon.com/ec2/home?region=us-east-2#SnapshotDetails:snapshotId=snap-08f774d10a305ffc3
aws
Services
Search
[Alt+S]
EC2 Dashboard
EC2 Global View
Events
Instances
Instances
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts
Capacity Reservations New
Images
AMIs
AMI Catalog
Elastic Block Store
Volumes
Snapshots
Lifecycle Manager
EC2 > Snapshots > snap-08f774d10a305ffc3
snap-08f774d10a305ffc3
Snapshot ID
snap-08f774d10a305ffc3
Progress
Available (100%)
Snapshot status
Completed
Started
Tue Oct 22 2024 23:56:08 GMT+0530 (India Standard Time)
Product codes
-
Fast snapshot restore
-
Source volume
Volume ID
vol-03a16ebfee9d530c2
Volume size
8 GiB
Encryption
Encryption
Not encrypted
KMS key ID
-
KMS key alias
-
Snapshot settings
Storage tier
Tags
Snapshot Lock - new
Lock mode
CloudShell
Feedback
© 2024, Amazon
28°
Search

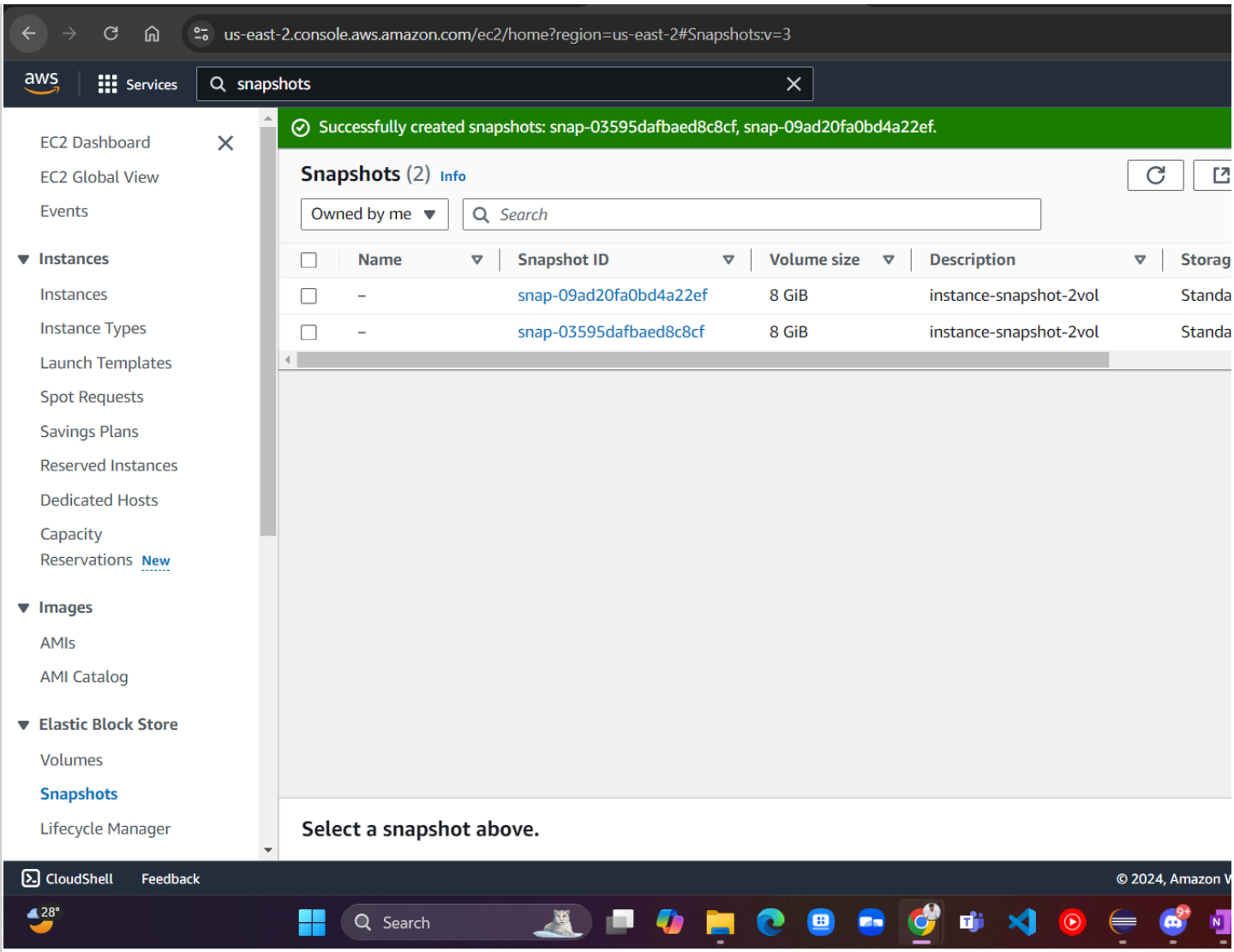
root@ip-172-31-18-249:~/new-volume

```
tmpfs            95M     0   95M   0% /run/user/1000
[ec2-user@ip-172-31-18-249 ~]$ lsblk
NAME      MAJ:MIN RM SIZE RO TYPE MOUNTPOINTS
xvda      202:0    0   8G  0 disk
├─xvda1   202:1    0   8G  0 part /
├─xvda127 259:0    0   1M  0 part
└─xvda128 259:1    0  10M  0 part /boot/efi
xvdb      202:16   0   8G  0 disk
├─xvdb1   202:17   0   8G  0 part
├─xvdb127 259:2    0   1M  0 part
└─xvdb128 259:3    0  10M  0 part
[ec2-user@ip-172-31-18-249 ~]$ mkfs -t ext4 /dev/xvdb
mke2fs 1.46.5 (30-Dec-2021)
mkfs.ext4: Permission denied while trying to determine filesystem size
[ec2-user@ip-172-31-18-249 ~]$ mkfs -t ext4 /dev/xvdb/
mke2fs 1.46.5 (30-Dec-2021)
mkfs.ext4: Not a directory while trying to determine filesystem size
[ec2-user@ip-172-31-18-249 ~]$ mkfs -t ext4 xvdb
mke2fs 1.46.5 (30-Dec-2021)
The file xvdb does not exist and no size was specified.
[ec2-user@ip-172-31-18-249 ~]$
[ec2-user@ip-172-31-18-249 ~]$ mkfs -t ext4 /dev/sdb
mke2fs 1.46.5 (30-Dec-2021)
mkfs.ext4: Permission denied while trying to determine filesystem size
[ec2-user@ip-172-31-18-249 ~]$ sudo su -
[root@ip-172-31-18-249 ~]# mkfs -t ext4 /dev/sdb
mke2fs 1.46.5 (30-Dec-2021)
Found a gpt partition table in /dev/sdb
Proceed anyway? (y,N) y
Creating filesystem with 2097152 4k blocks and 524288 inodes
Filesystem UUID: ffdeb251-06eb-49b8-87ec-f9efbf70aa8a
Superblock backups stored on blocks:
        32768, 98304, 163840, 229376, 294912, 819200, 884736, 1605632

Allocating group tables: done
Writing inode tables: done
Creating journal (16384 blocks): done
Writing superblocks and filesystem accounting information: done

[root@ip-172-31-18-249 ~]# mount dev/sdb facebook
mount: facebook: mount point does not exist.
[root@ip-172-31-18-249 ~]# mkdir new-volume
[root@ip-172-31-18-249 ~]# mount dev/sdb new-volume
mount: /root/new-volume: special device dev/sdb does not exist.
[root@ip-172-31-18-249 ~]# mount /dev/sdb new-volume
[root@ip-172-31-18-249 ~]# cd new-volume
[root@ip-172-31-18-249 new-volume]# ls
lost+found
[root@ip-172-31-18-249 new-volume]#
```

Comment by Gautham Srinivasan [ 22/Oct/24 ]

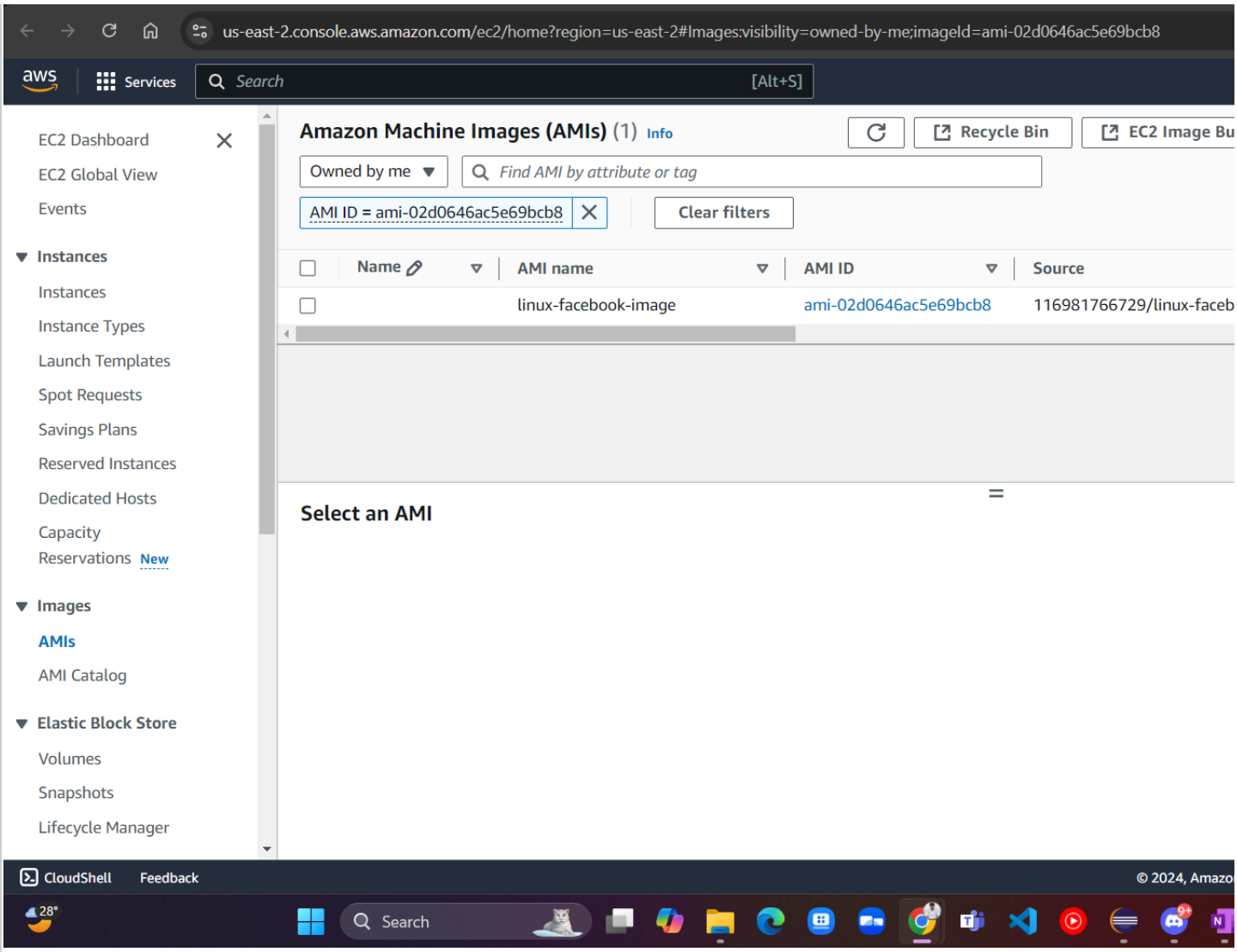
step 5 : creating snapshot from single instance and multiple volume






Comment by Gautham Srinivasan [ 22/Oct/24 ]

step 6: ami creation

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