Working with EBS

• Create an Amazon EBS volume

• Attach and mount your volume to an EC2 instance

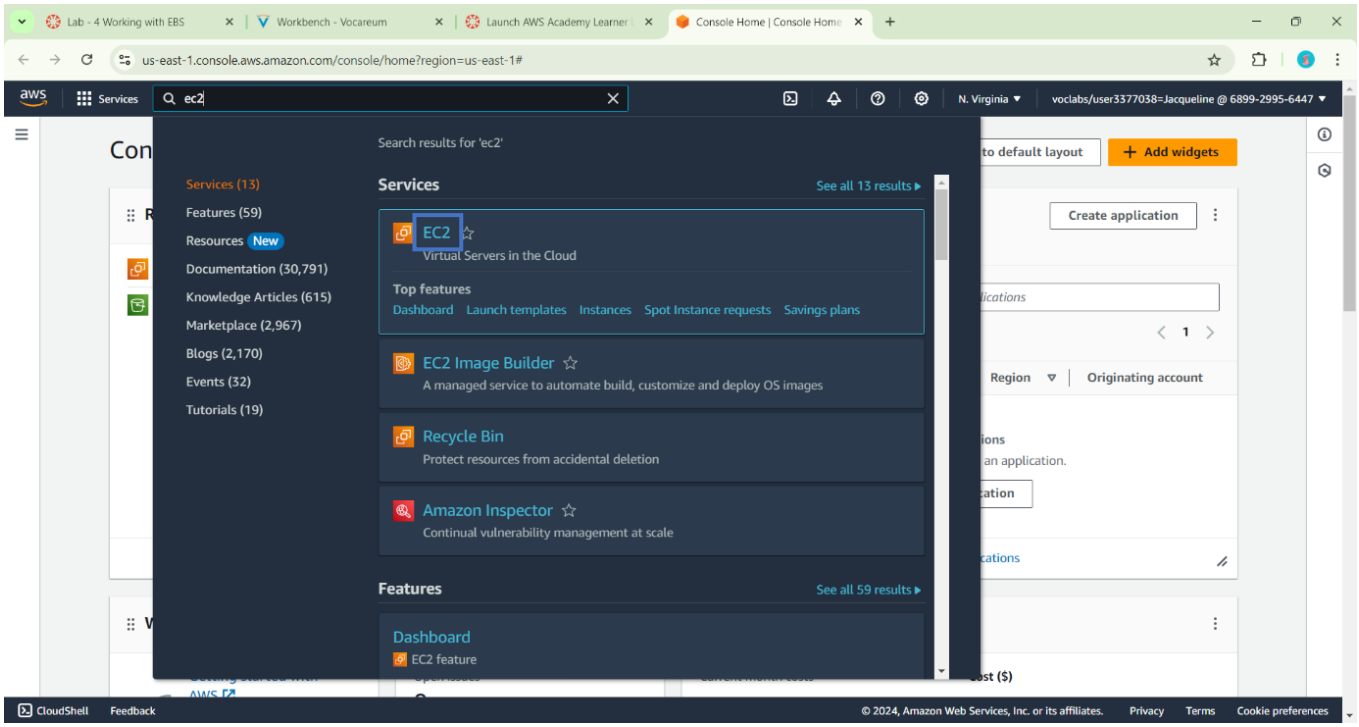
• Create a snapshot of your volume

• Create a new volume from your snapshot

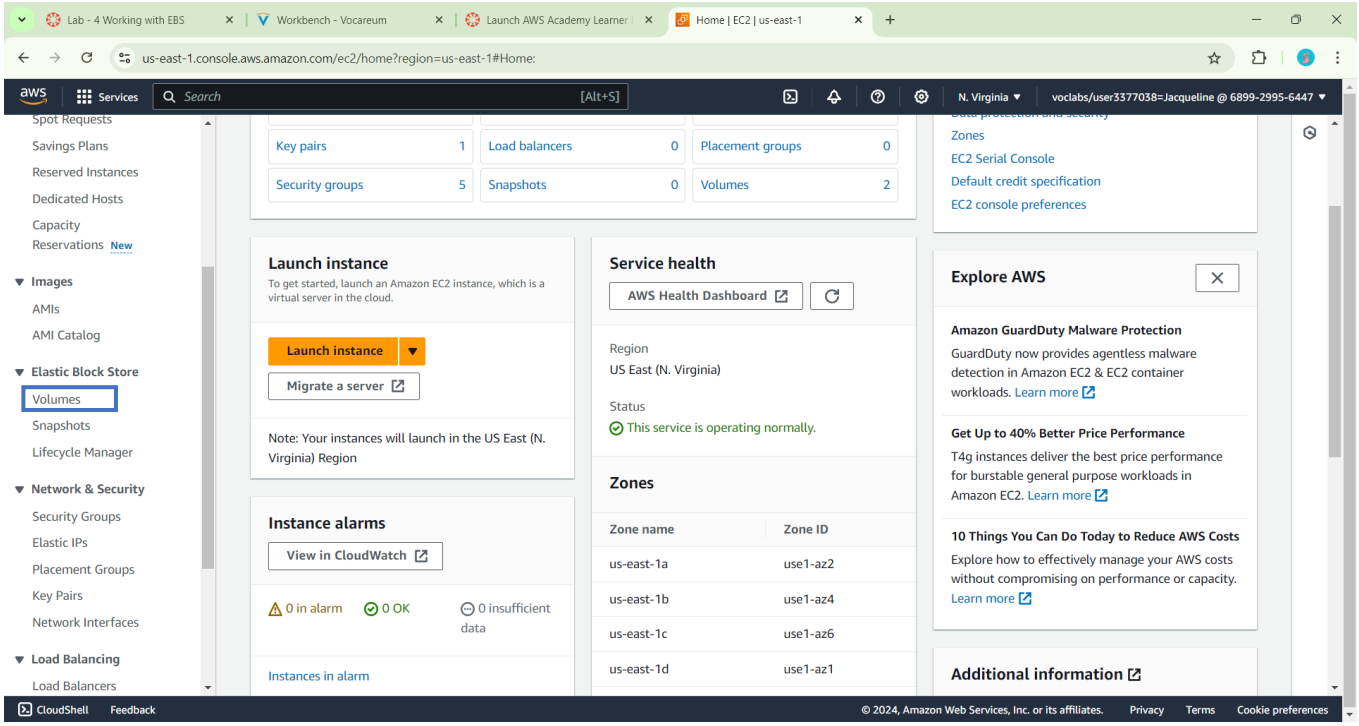
• Attach and mount the new volume to your EC2 instance

Task 1: Create a New EBS Volume

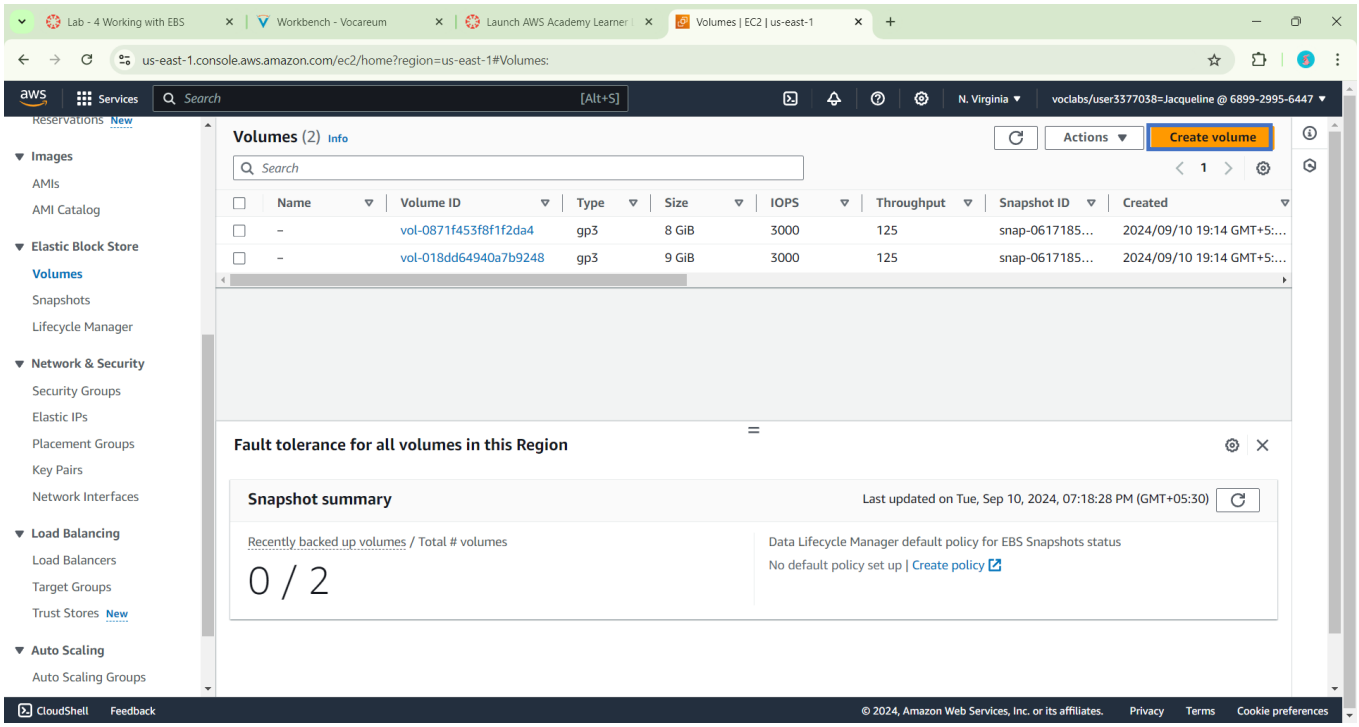
Step 1: Go to compute services and select EC2.



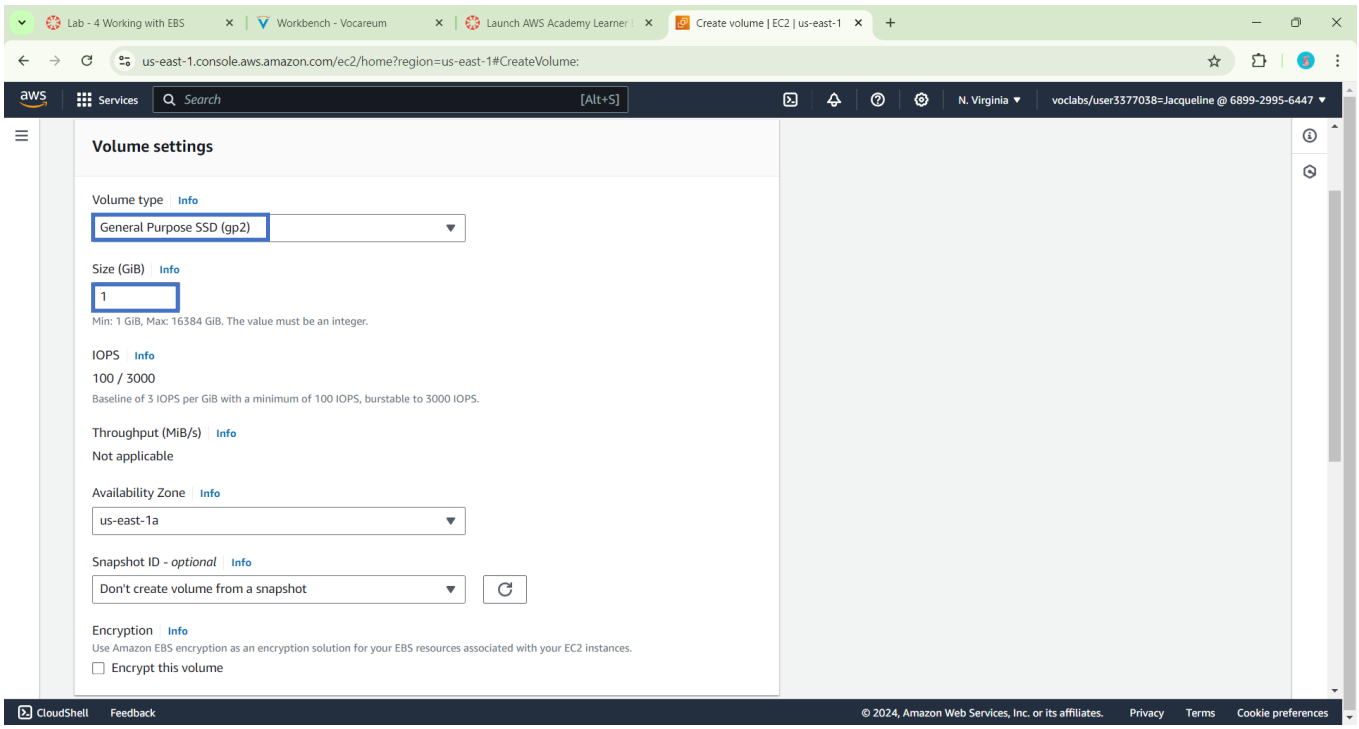
Step 2: Go to left navigation pane and select volumes.



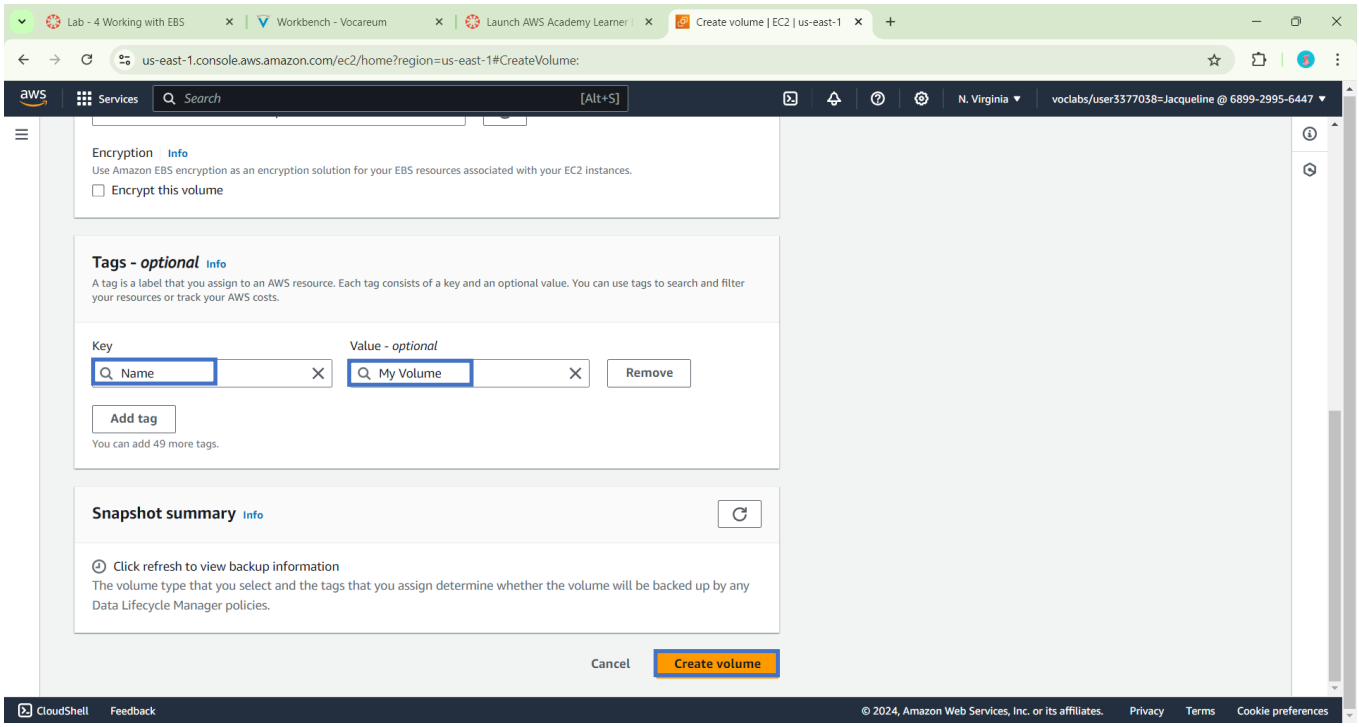
Step 3: Click create volume.



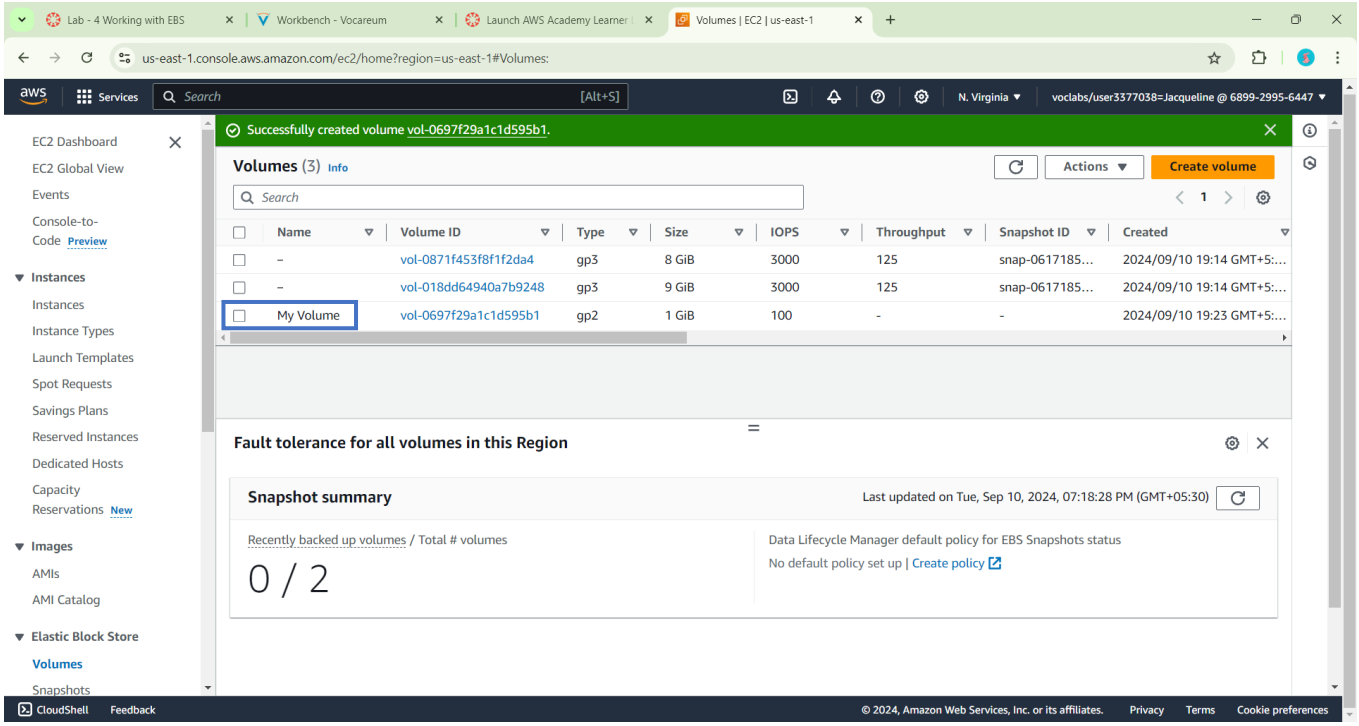
Step 4: Select volume type as ‘General purpose SSD (gp2)’ and size as 1



Step 5: Now give the key and value name in tag and say create volume.

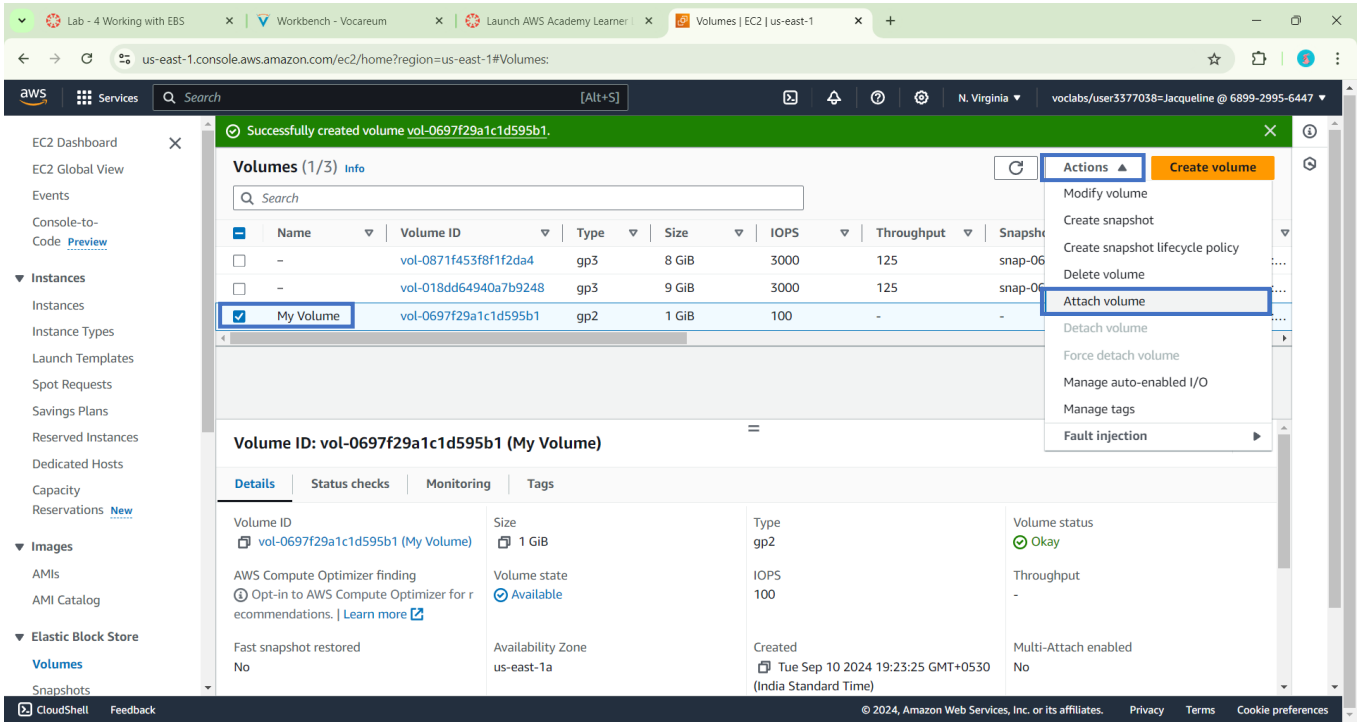


Step 6: The new volume is been created now which is available.

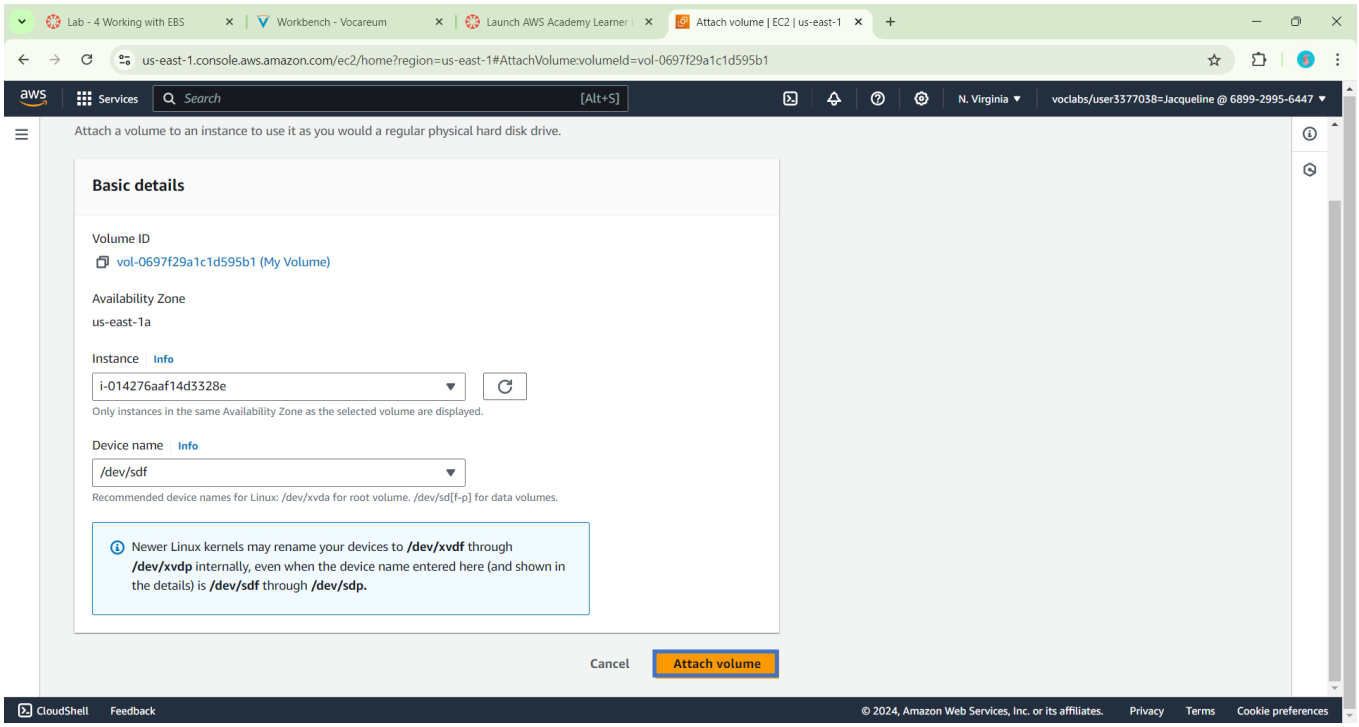


Task 2: Attach the Volume to an Instance

Step 7: Now select the new volume created and then go to actions tab and say attach volume.

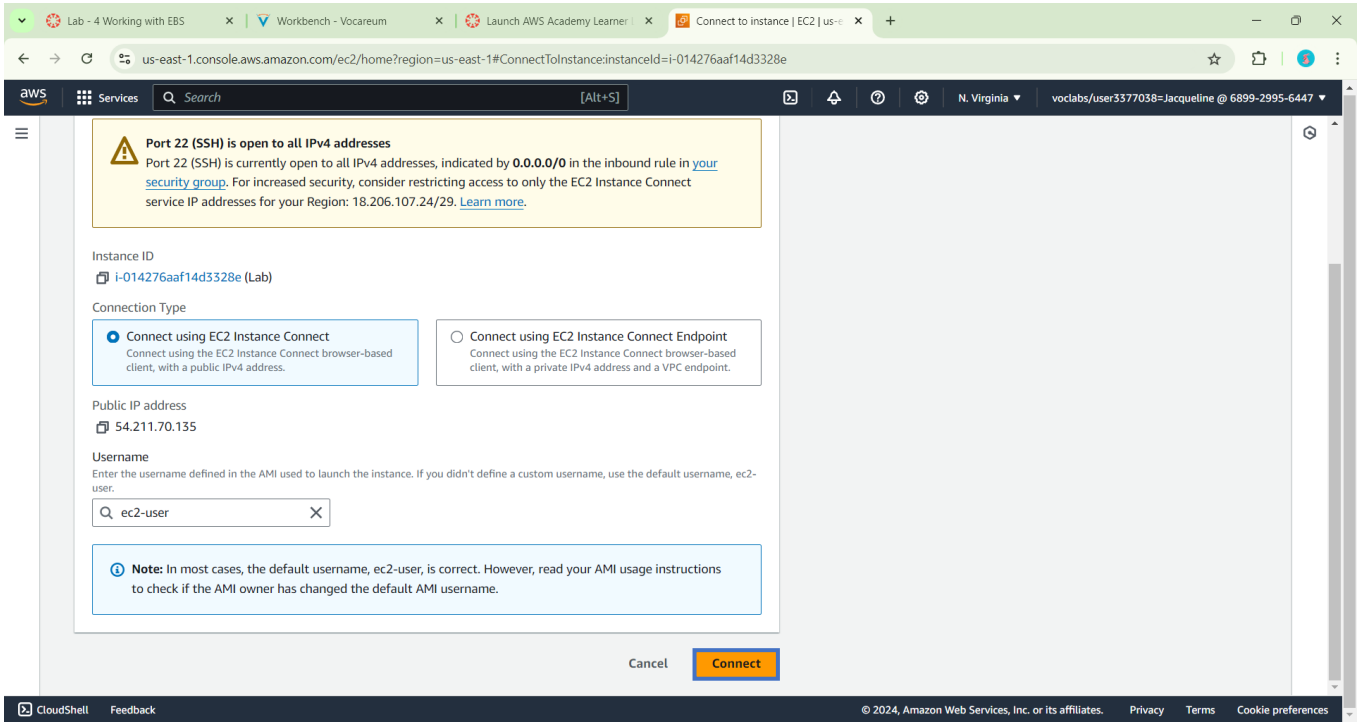


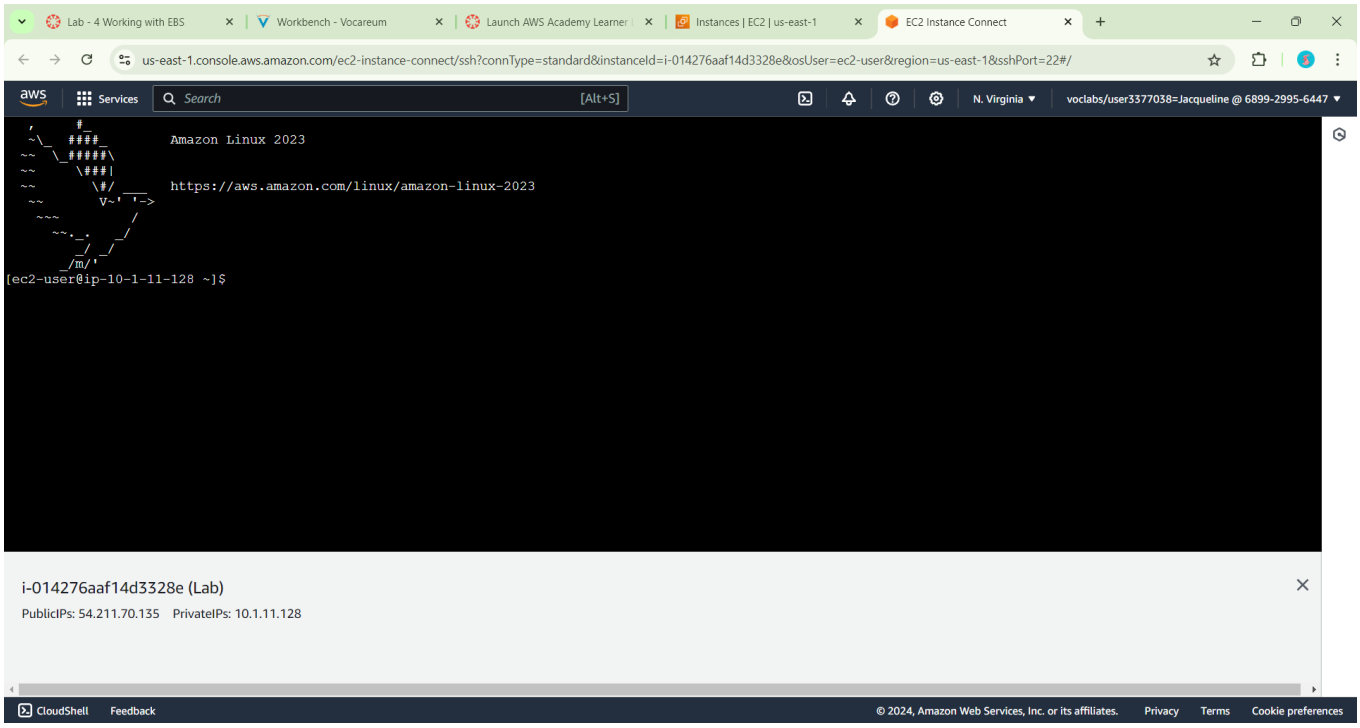
Step 8: Now select the instance from instance info and set the device name to '*/dev/sdf* ' and then say attach volume.

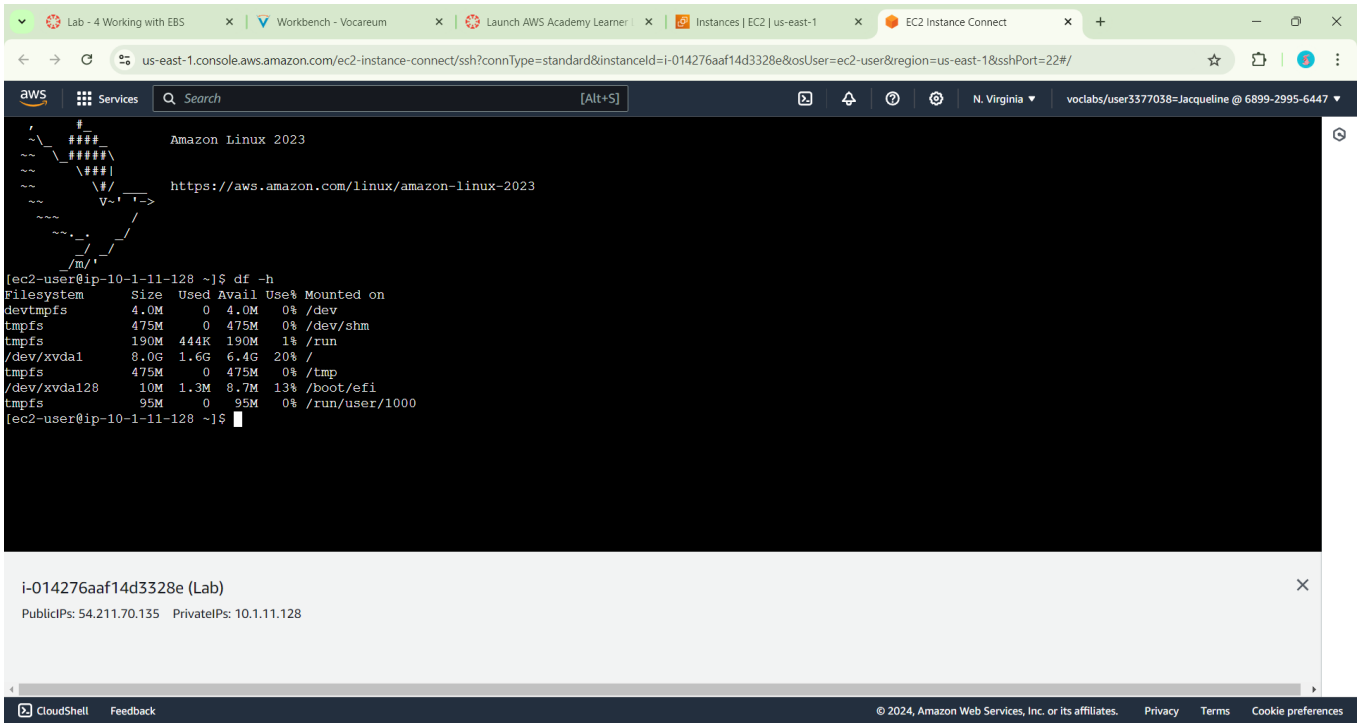


Task 3: Connect to Your Amazon EC2 Instance

Step 9: Now go to instance state and select the lab and then say connect the following screen will open.






Lab - 4 Working with EBS
Workbench - Vocareum
Launch AWS Academy Learner
Instances | EC2 | us-east-1
EC2 Instance Connect
us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-014276aaf14d3328e&osUser=ec2-user&region=us-east-1&sshPort=22#/
Services
Search
[Alt+S]
N. Virginia
voclabs/user3377038=Jacqueline @ 6899-2995-6447
Amazon Linux 2023
https://aws.amazon.com/linux/amazon-linux-2023
[ec2-user@ip-10-1-11-128 ~]$ df -h
Filesystem Size Used Avail Use% Mounted on
devtmpfs 4.0M 0 4.0M 0% /dev
tmpfs 475M 0 475M 0% /dev/shm
tmpfs 190M 444K 190M 1% /run
/dev/xvda1 8.0G 1.6G 6.4G 20% /
tmpfs 475M 0 475M 0% /tmp
/dev/xvda128 10M 1.3M 8.7M 13% /boot/efi
tmpfs 95M 0 95M 0% /run/user/1000
[ec2-user@ip-10-1-11-128 ~]$
i-014276aaf14d3328e (Lab)
PublicIPs: 54.211.70.135 PrivateIPs: 10.1.11.128
CloudShell
Feedback
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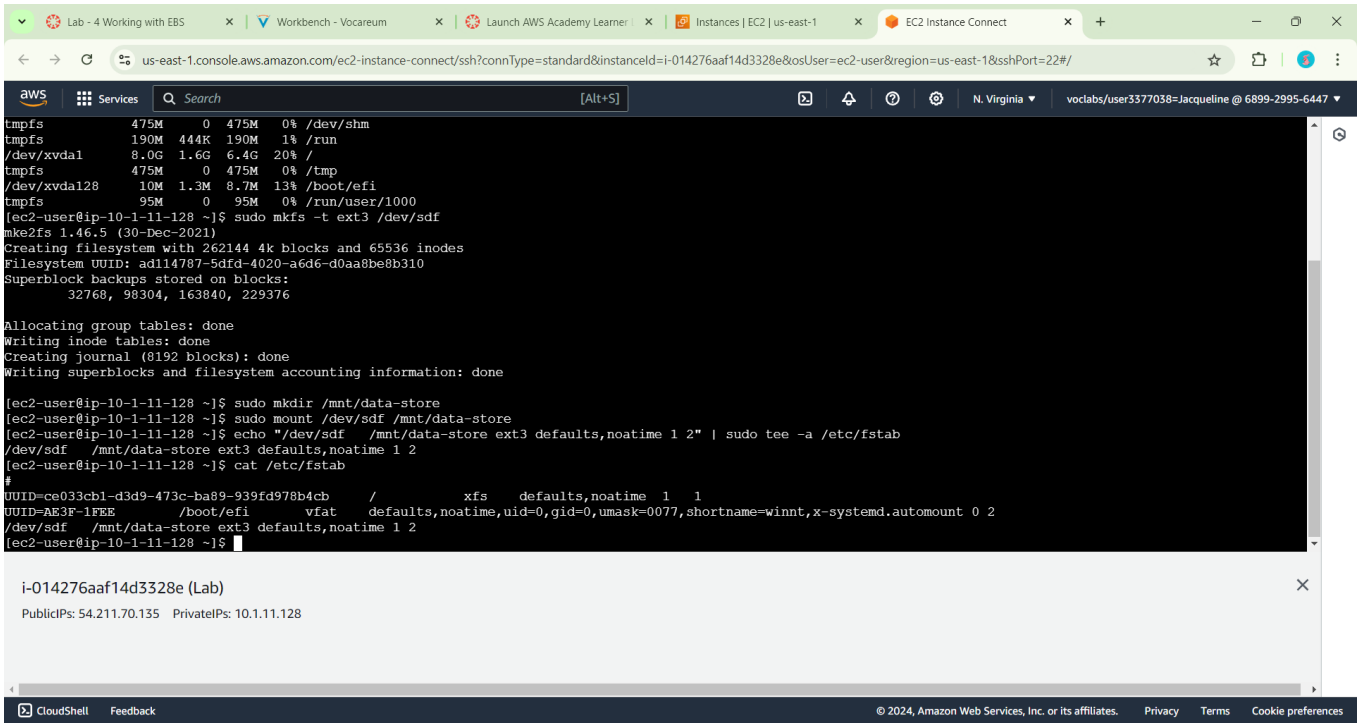
Lab - 4 Working with EBS
Workbench - Vocareum
Launch AWS Academy Learner
Instances | EC2 | us-east-1
EC2 Instance Connect
us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-014276aaf14d3328e&osUser=ec2-user&region=us-east-1&sshPort=22#/
Services
Search
[Alt+S]
N. Virginia
voclabs/user3377038=Jacqueline @ 6899-2995-6447
tmpfs 475M 0 475M 0% /dev/shm
tmpfs 190M 444K 190M 1% /run
/dev/xvda1 8.0G 1.6G 6.4G 20% /
tmpfs 475M 0 475M 0% /tmp
/dev/xvda128 10M 1.3M 8.7M 13% /boot/efi
tmpfs 95M 0 95M 0% /run/user/1000
[ec2-user@ip-10-1-11-128 ~]$ sudo mkfs -t ext3 /dev/sdf
mke2fs 1.46.5 (30-Dec-2021)
Creating filesystem with 262144 4k blocks and 65536 inodes
Filesystem UUID: ad114787-5dfd-4020-a6d6-d0aa8be8b310
Superblock backups stored on blocks:
32768, 98304, 163840, 229376
Allocating group tables: done
Writing inode tables: done
Creating journal (8192 blocks): done
Writing superblocks and filesystem accounting information: done
[ec2-user@ip-10-1-11-128 ~]$ sudo mkdir /mnt/data-store
[ec2-user@ip-10-1-11-128 ~]$ sudo mount /dev/sdf /mnt/data-store
[ec2-user@ip-10-1-11-128 ~]$ echo "/dev/sdf /mnt/data-store ext3 defaults,noatime 1 2" | sudo tee -a /etc/fstab
/dev/sdf /mnt/data-store ext3 defaults,noatime 1 2
[ec2-user@ip-10-1-11-128 ~]$ cat /etc/fstab
#
UUID=ce033cb1-d3d9-473c-ba89-939fd978b4cb / xfs defaults,noatime 1 1
UUID=AE3F-1FEE /boot/efi vfat defaults,noatime,uid=0,gid=0,umask=0077,shortname=winnt,x-systemd.automount 0 2
/dev/sdf /mnt/data-store ext3 defaults,noatime 1 2
[ec2-user@ip-10-1-11-128 ~]$
i-014276aaf14d3328e (Lab)
PublicIPs: 54.211.70.135 PrivateIPs: 10.1.11.128
CloudShell
Feedback
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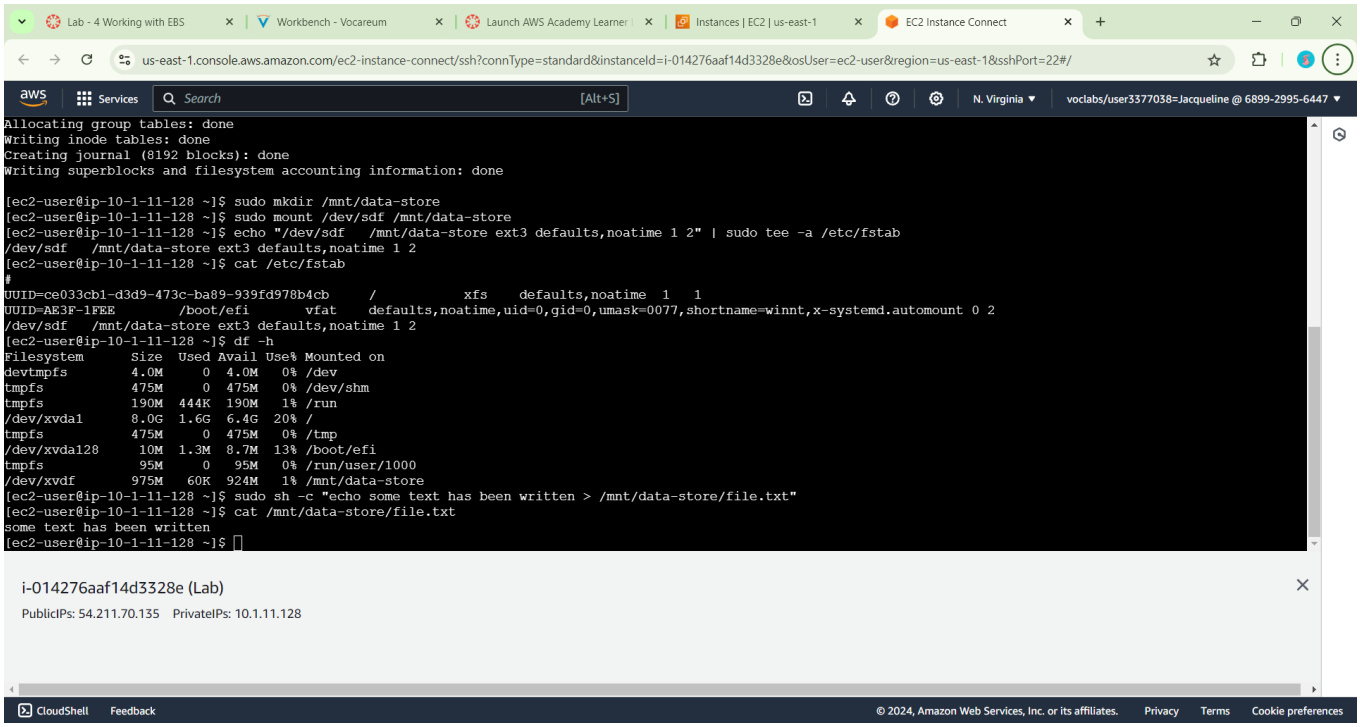
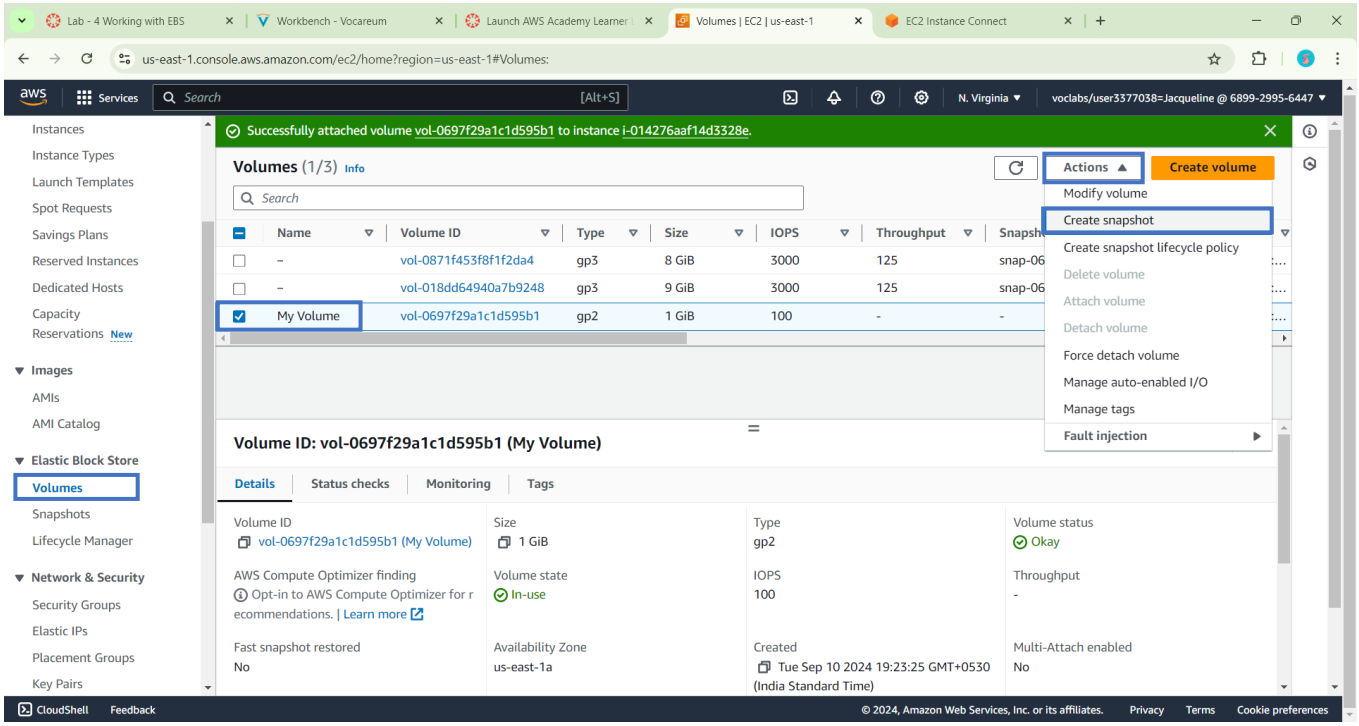
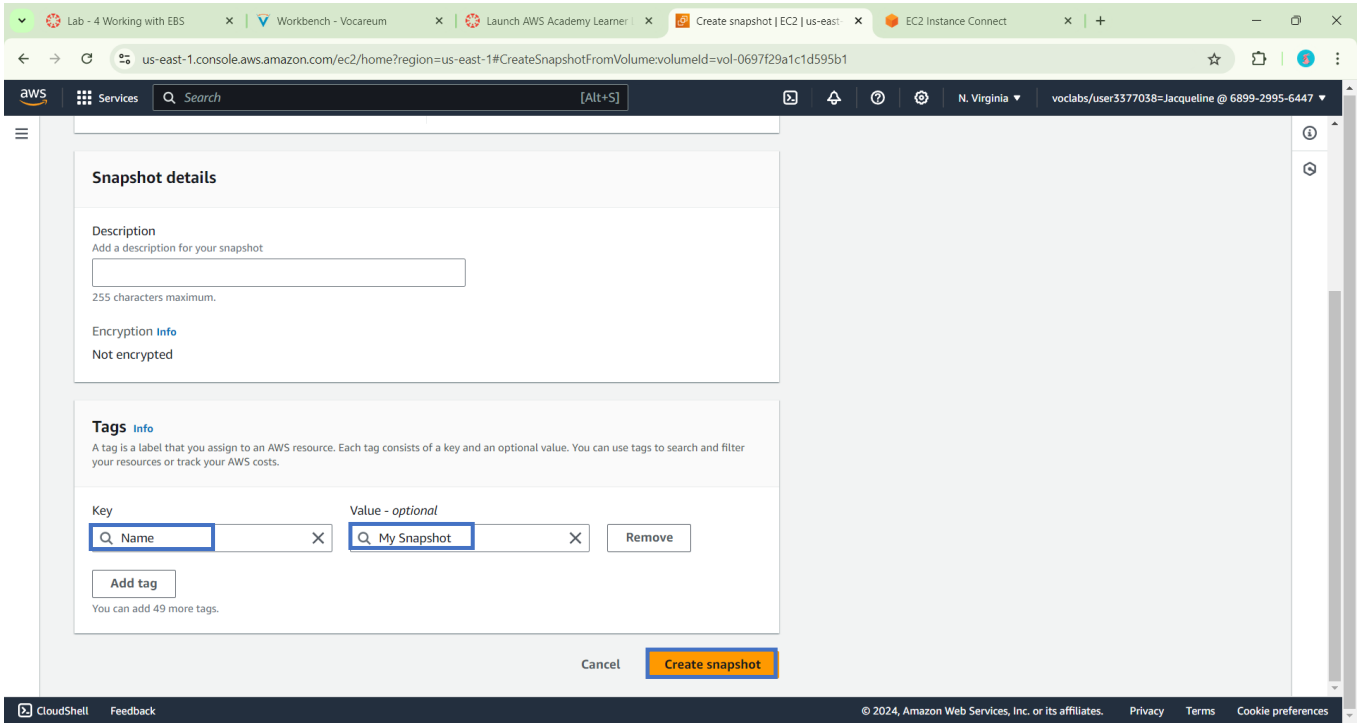


Task 5: Create an Amazon EBS Snapshot

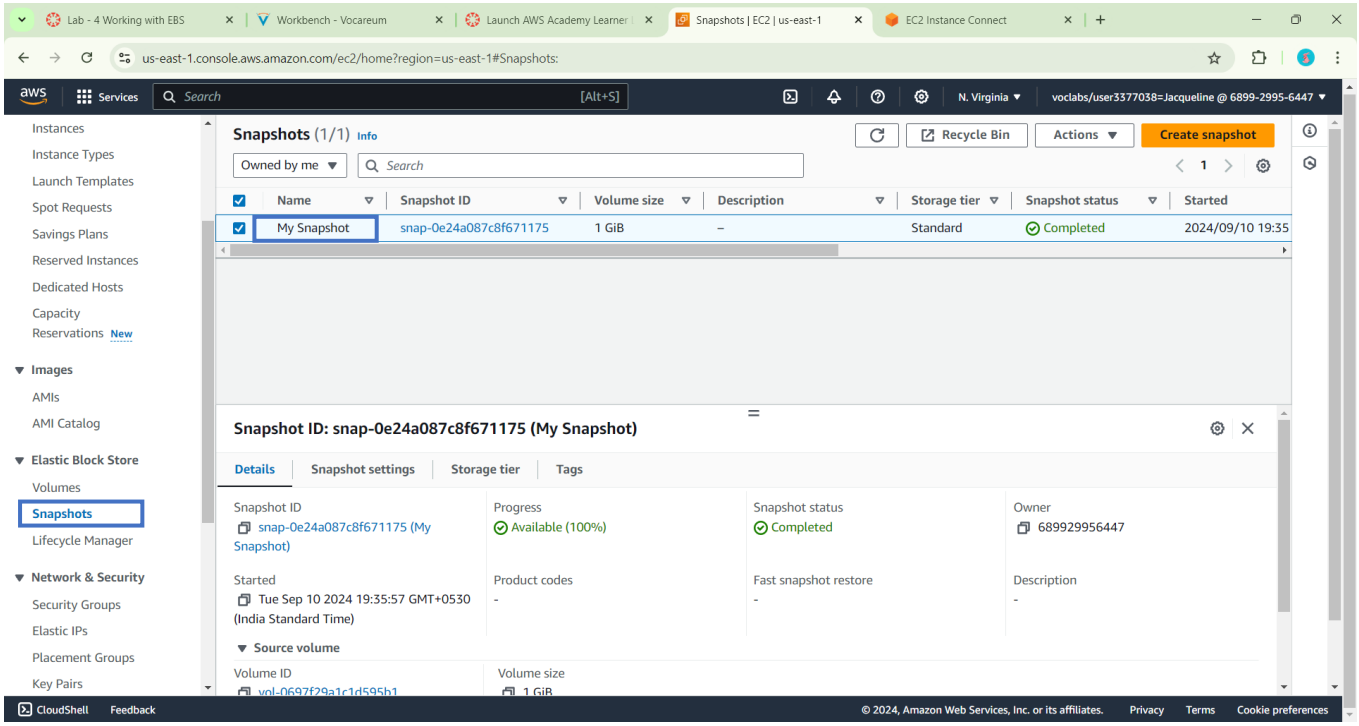
Step 10: Now go volumes tab and then select the created volume and go to actions tab and then select create snapshot.



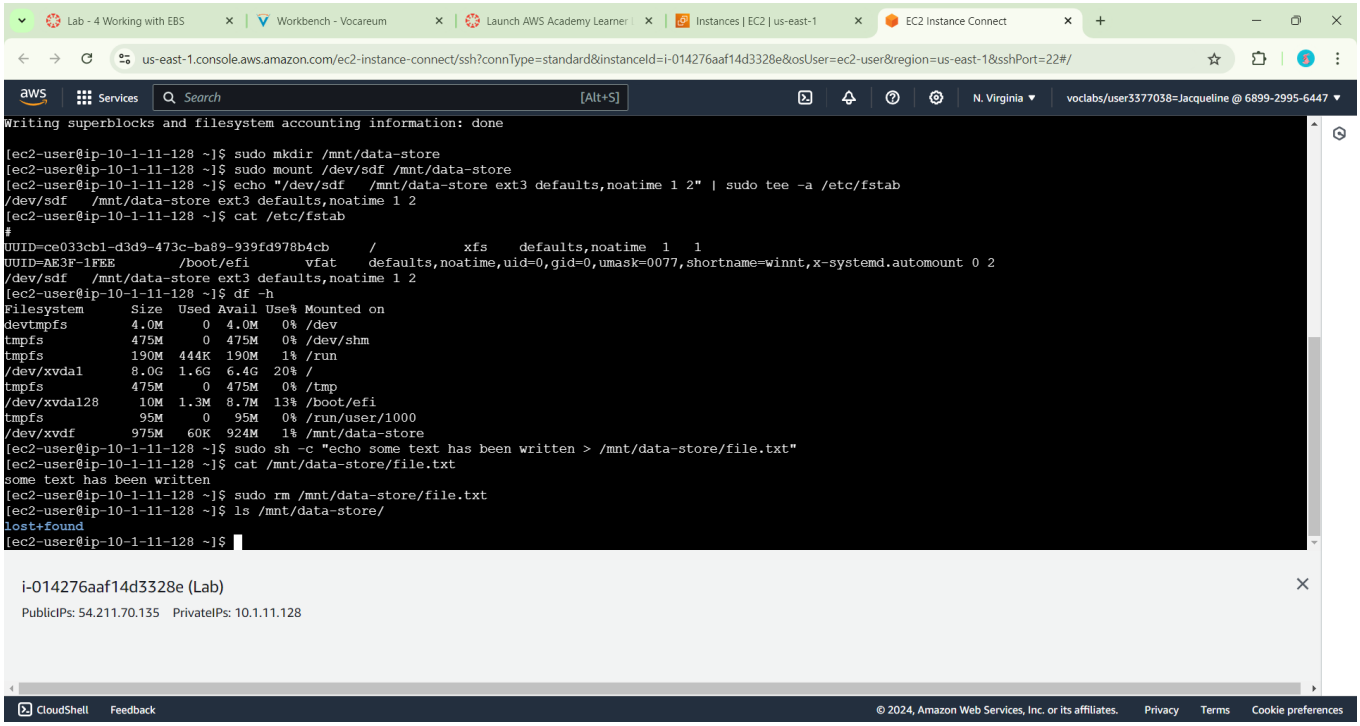
Step 11: Add tag and give key and value and then say create snapshot.



Step 12: Now go to left navigation pane and choose snapshots the following screen will display.

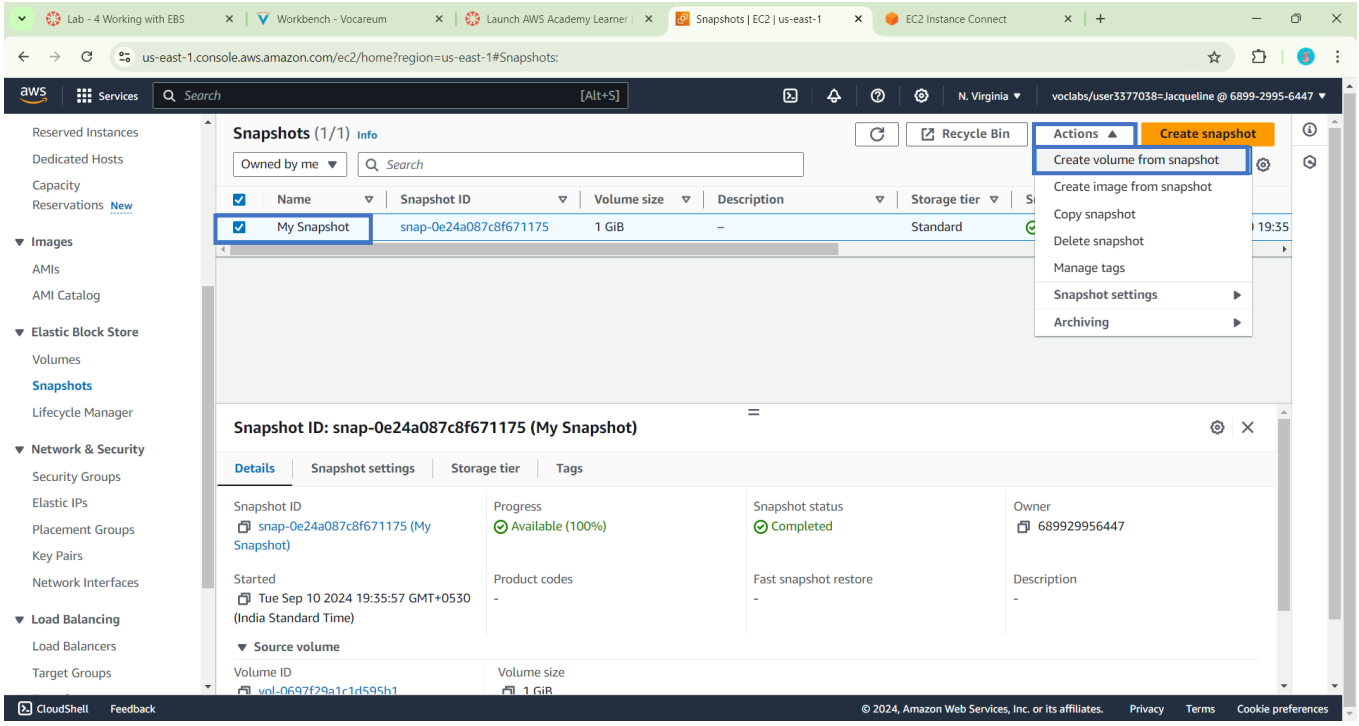


Step 13: Now again go to EC2 instance connect and type the commands to delete the file.

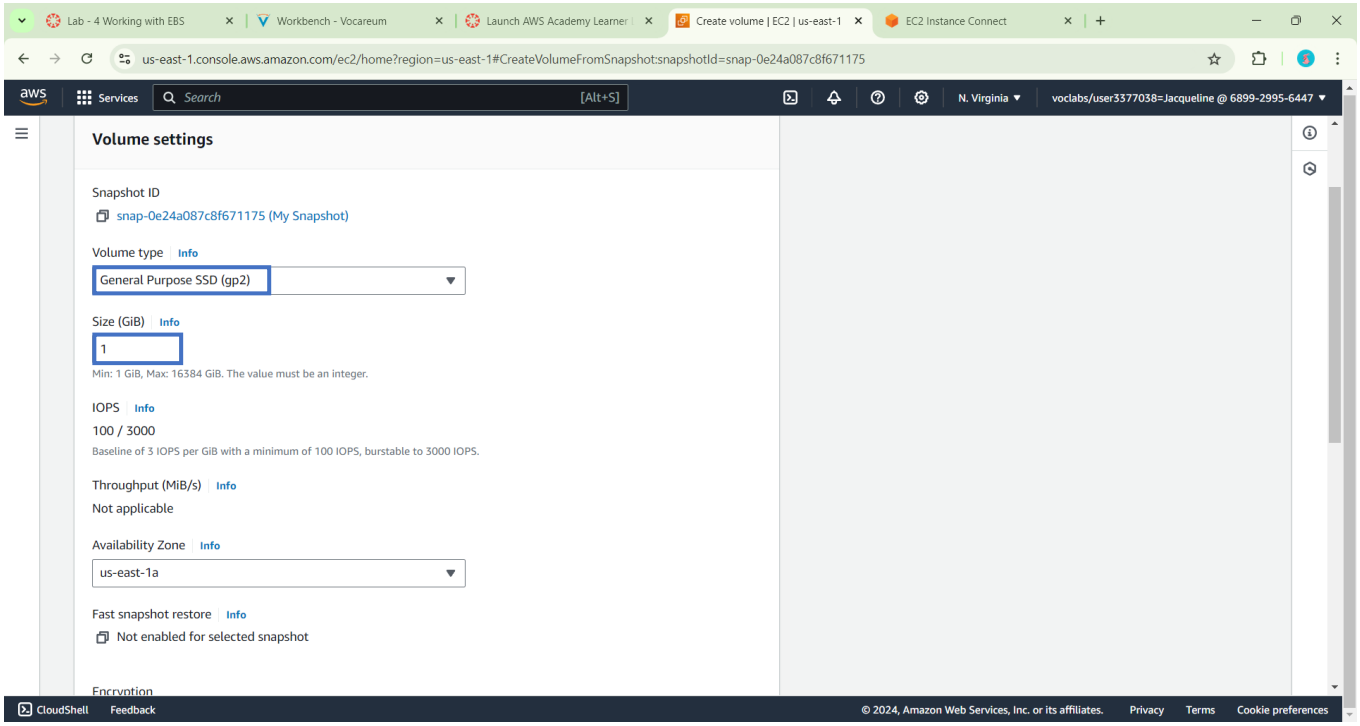


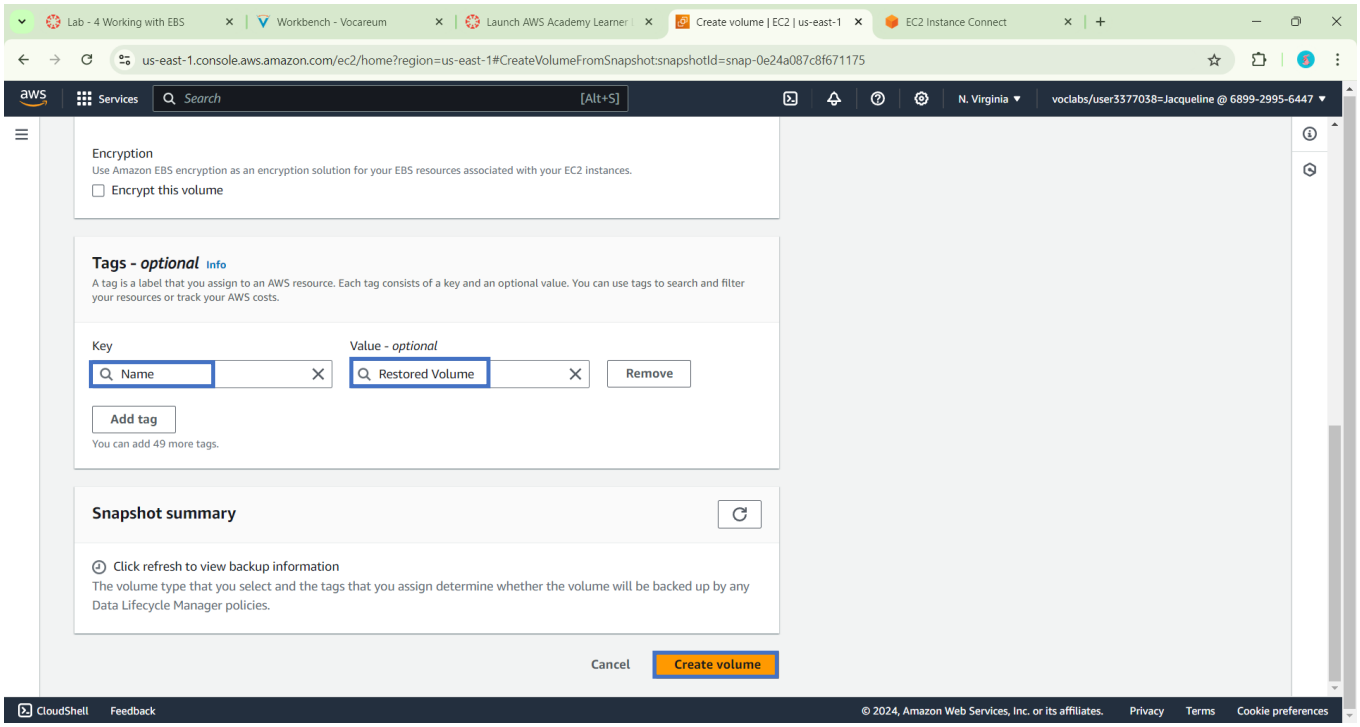
Task 6: Restore the Amazon EBS Snapshot

Step 14: Now go to EC2 console and select the created snapshot and then go to actions and then select create volume from snapshot.

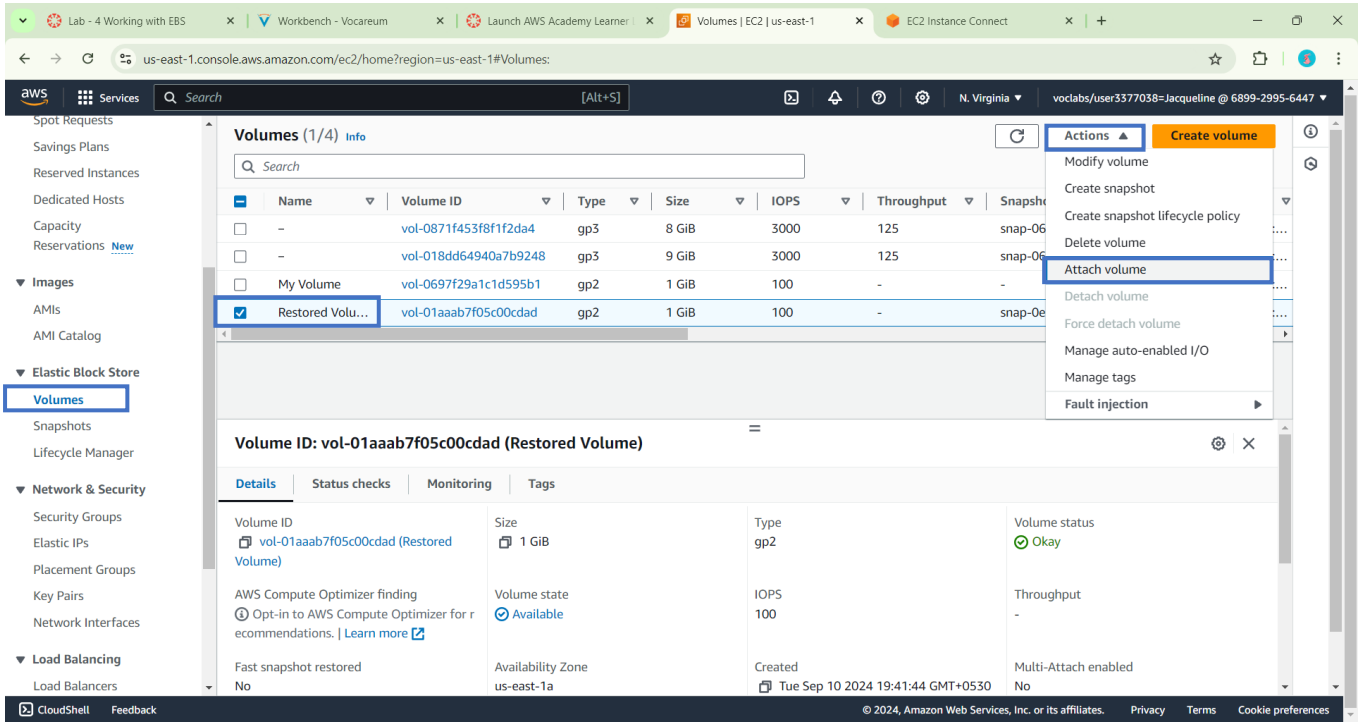


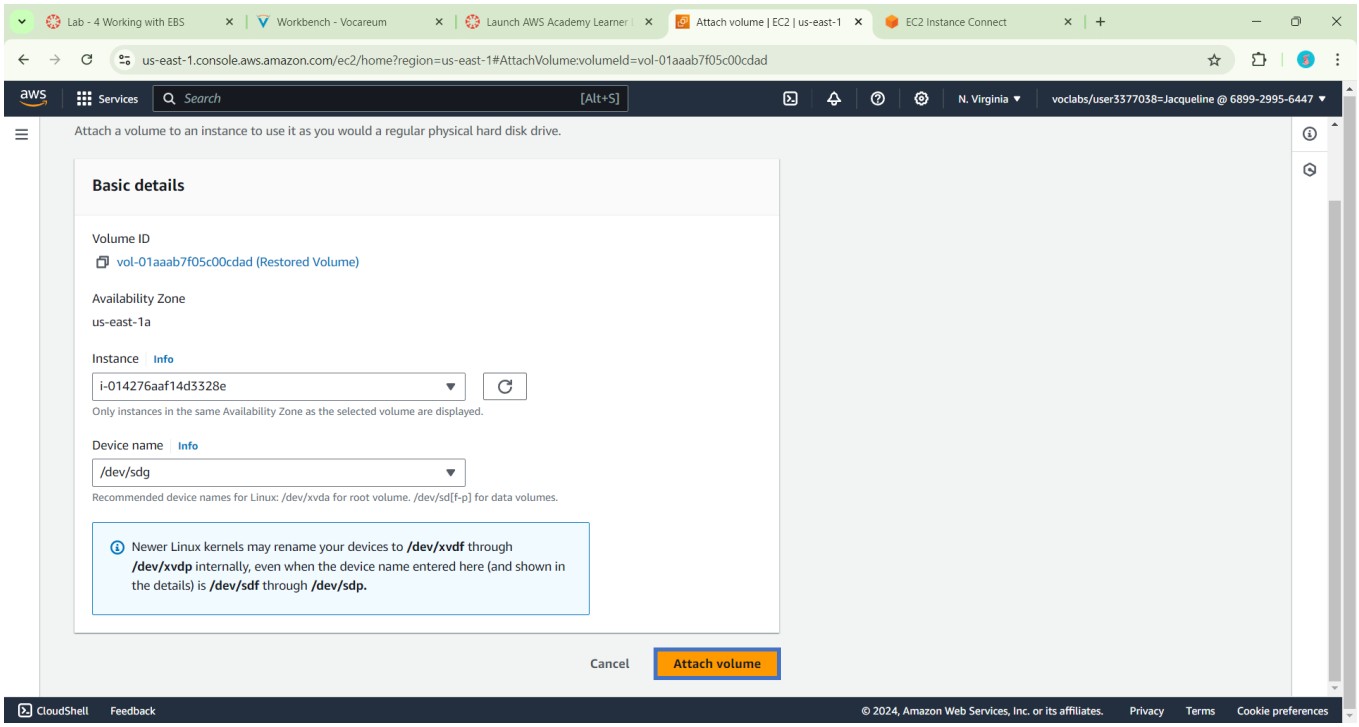
Step 15: Now select add tag and then give key and value and then create volume.



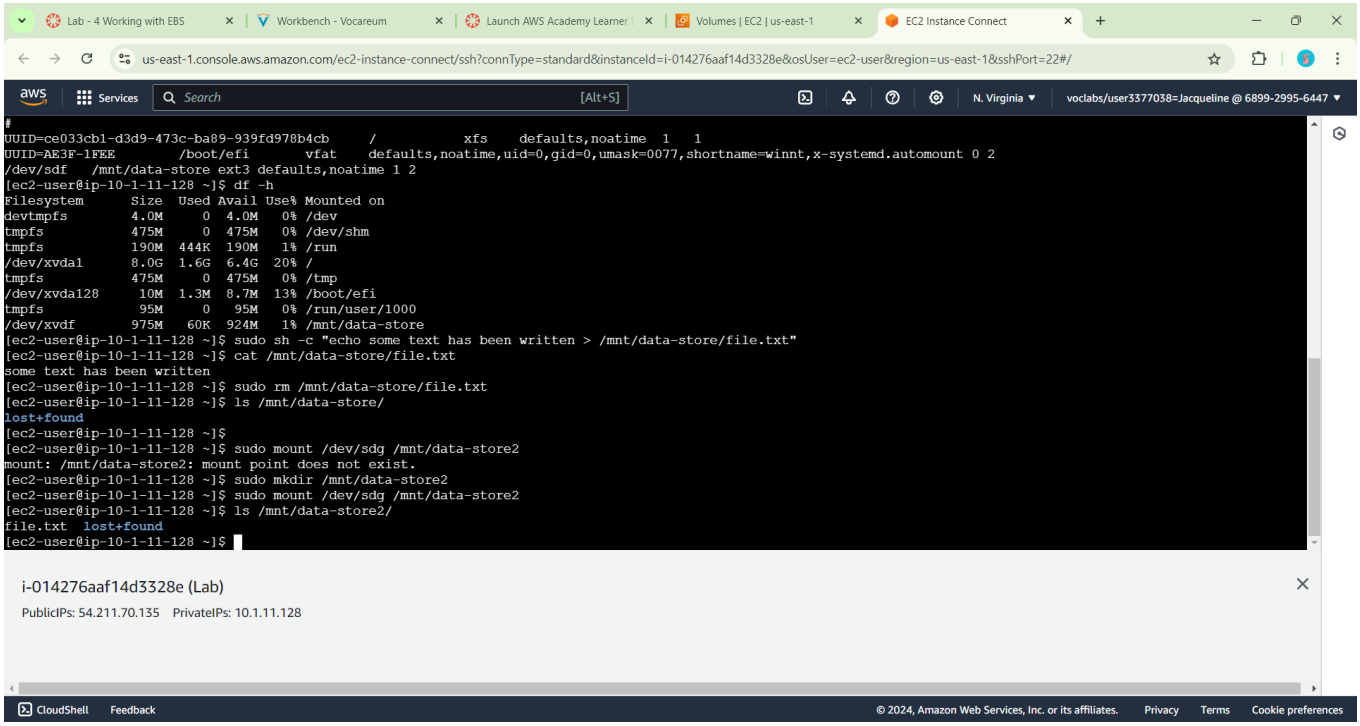


Step 16: Now go back to volumes tab in left navigation pane and select the restored volume and then go to actions tab and select attach volume.

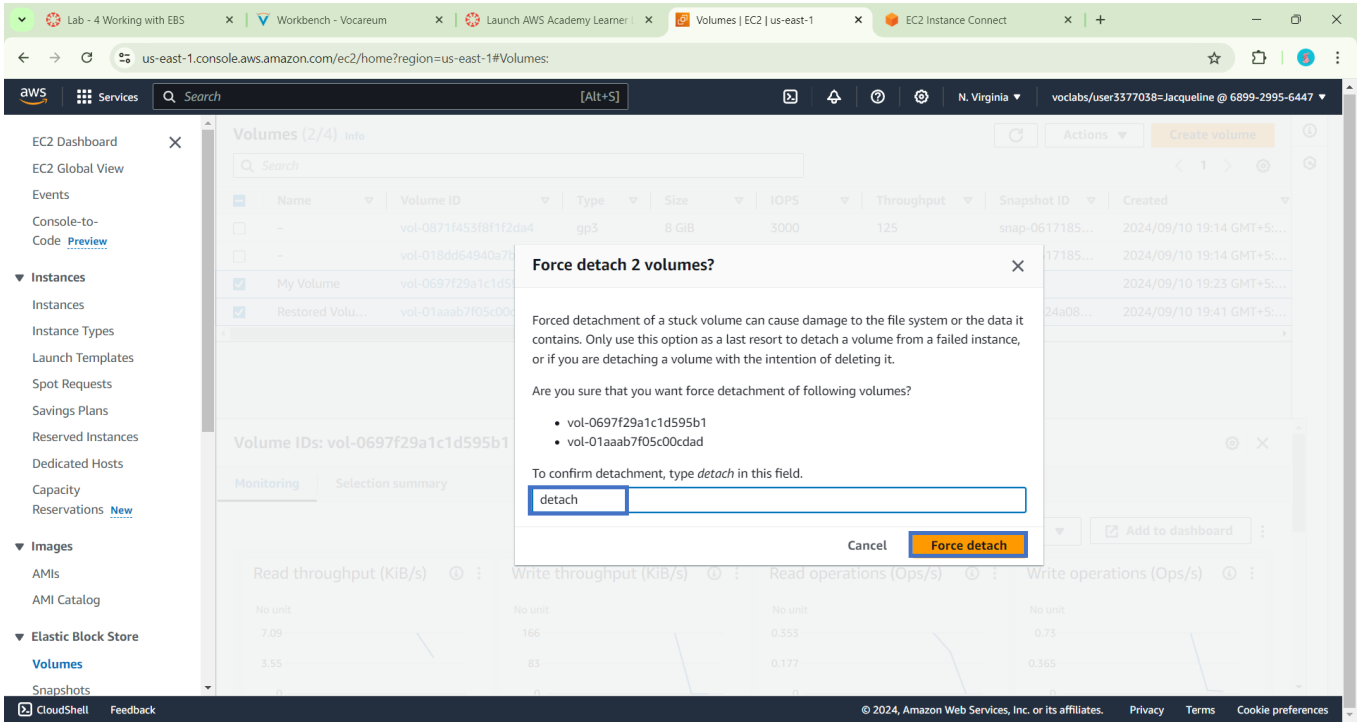




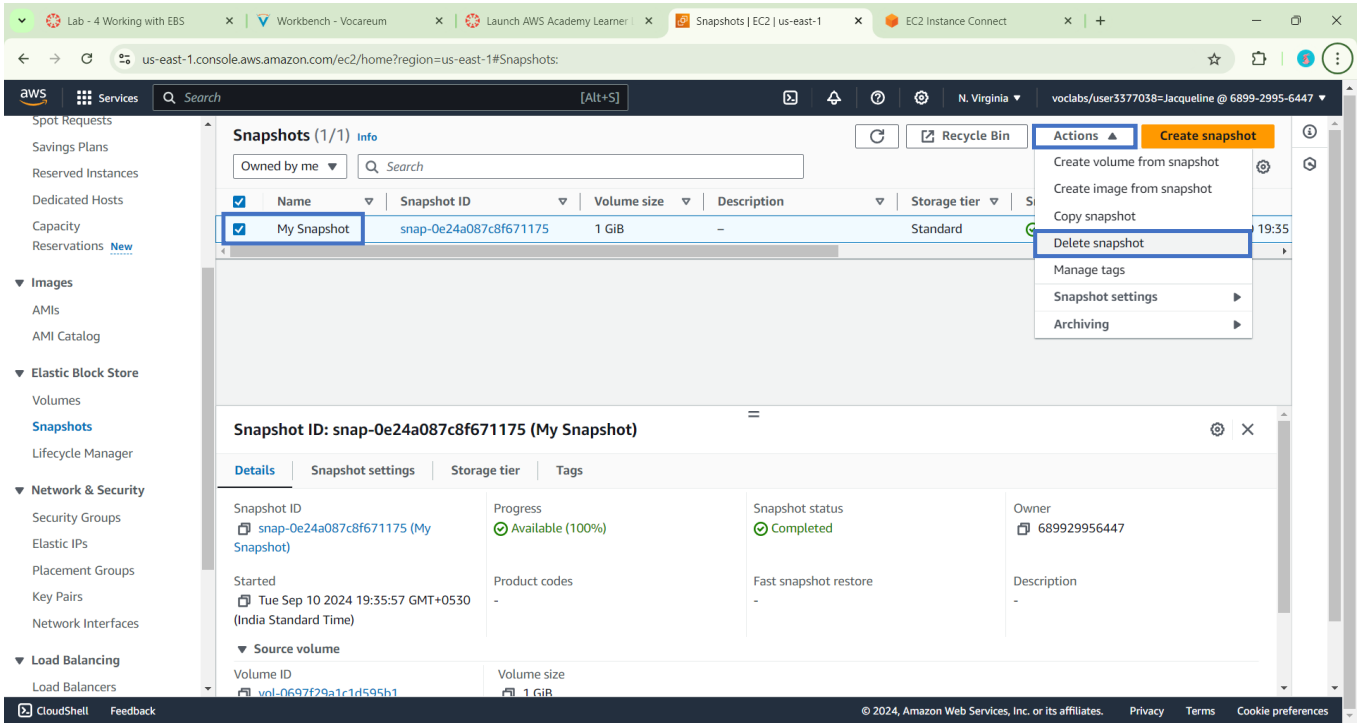
Step 17: Now go to EC2 instance connect and write command for second volume created to mount it.

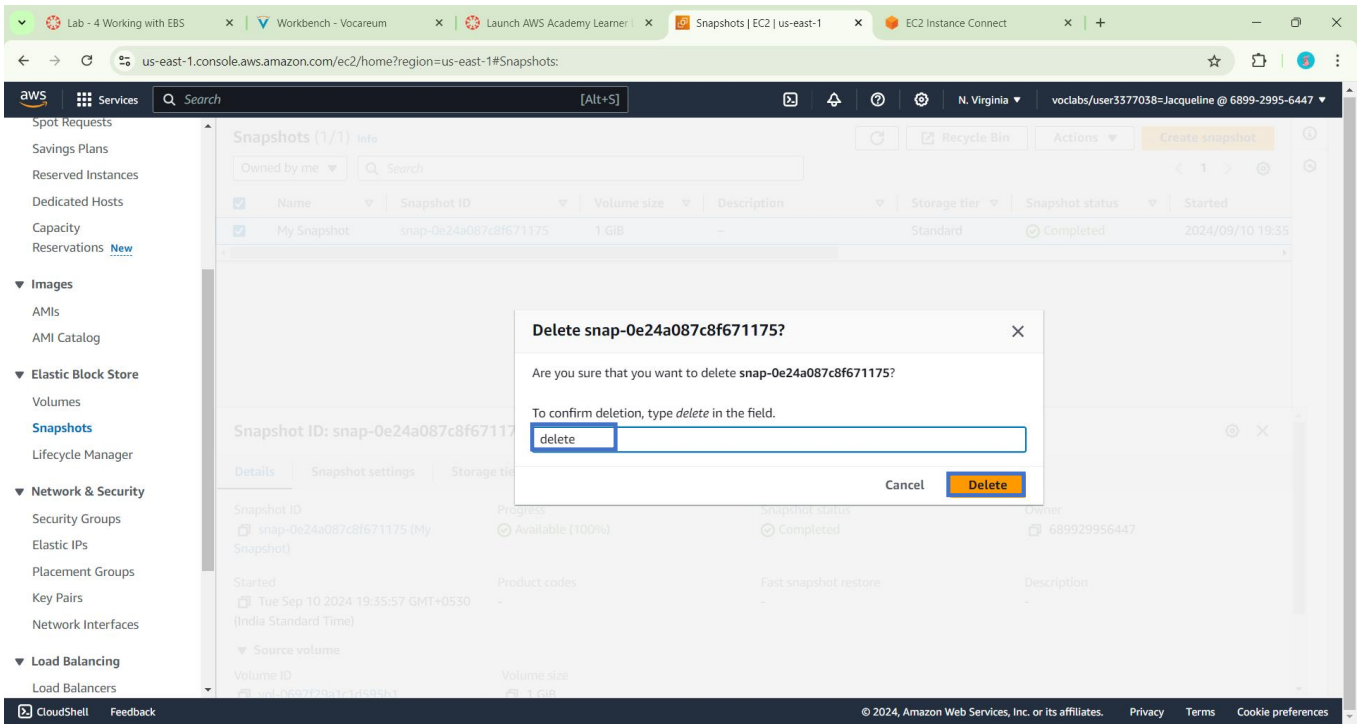


Step 18: Now detach the volume and then delete it.

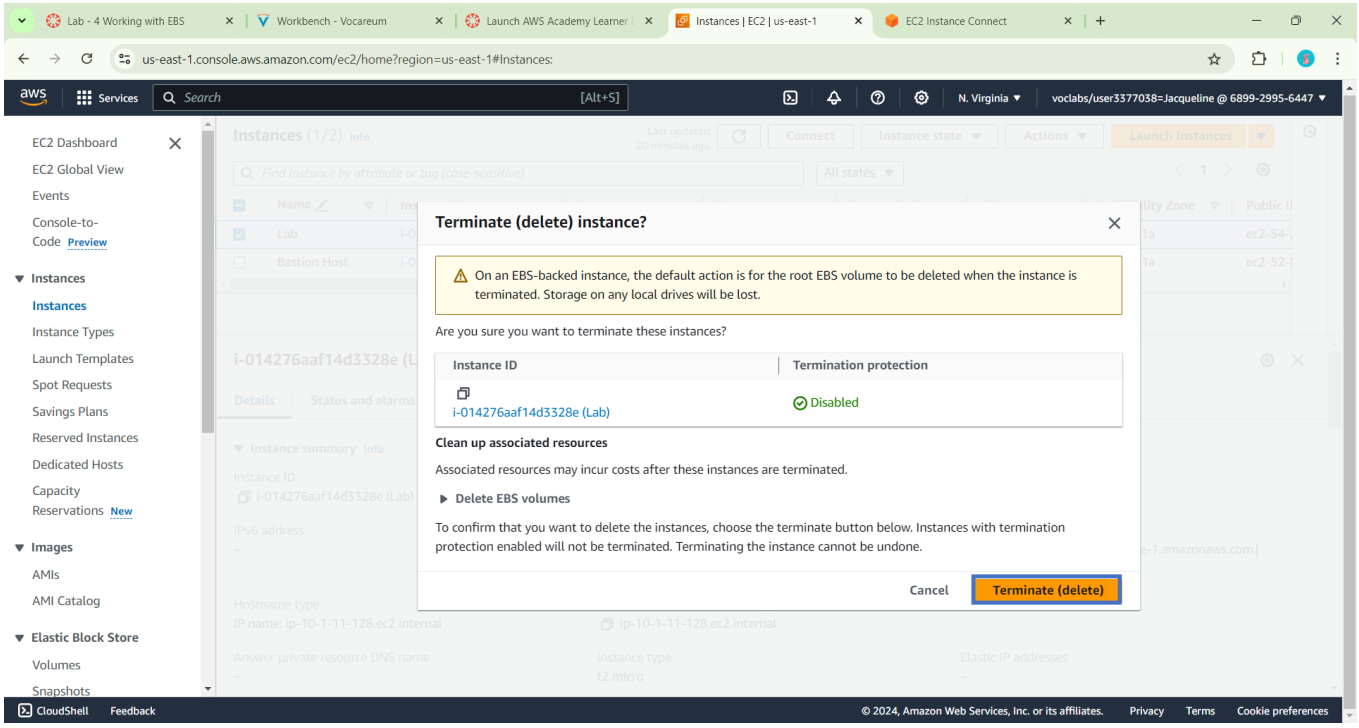


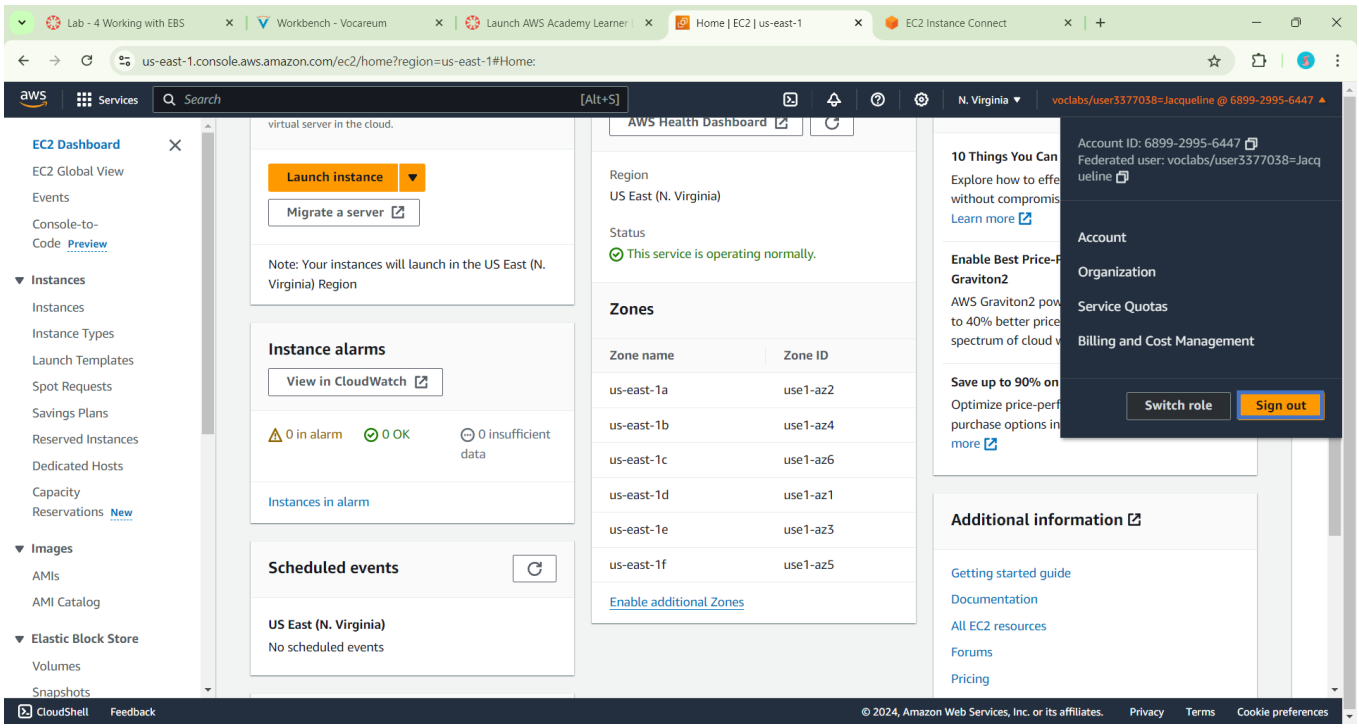
Step 19: Now delete the snapshots as well that was earlier created.

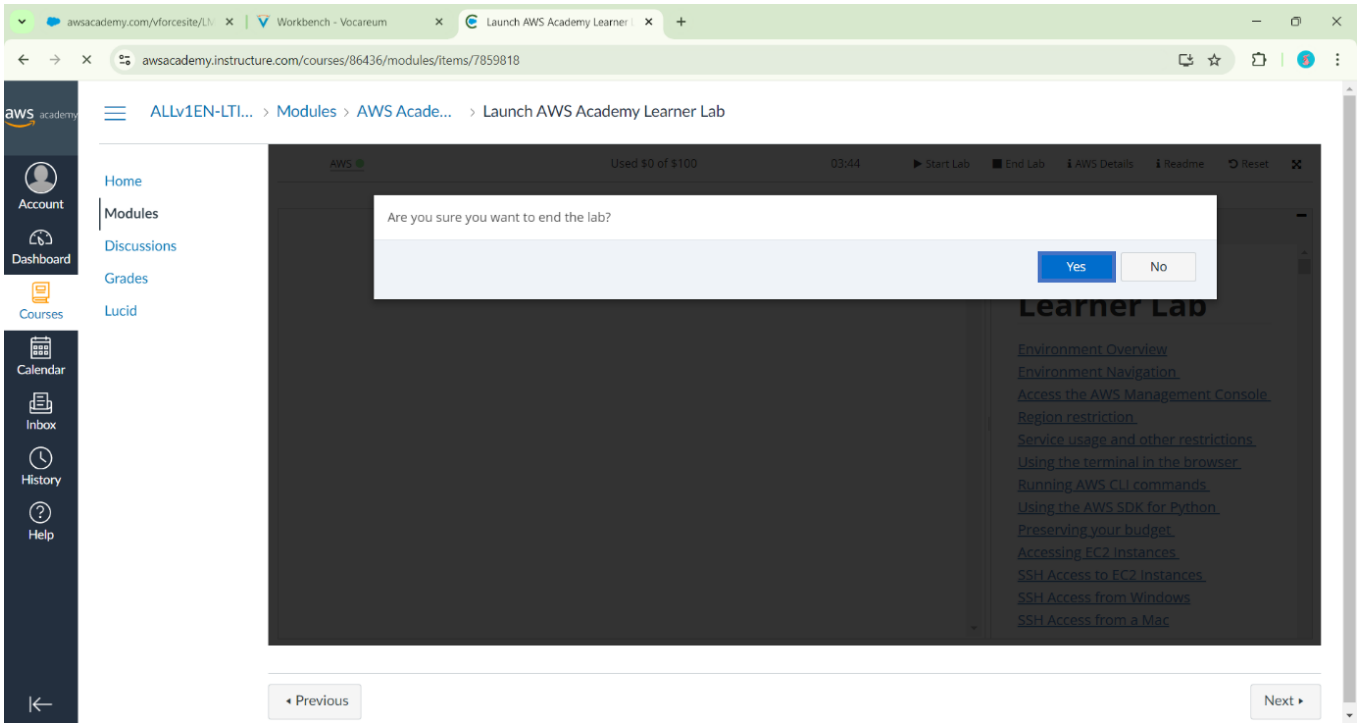




Step 20: At the end terminate the instance and sign out and then end lab.






awsacademy.com/vforcesite/LM
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awsacademy.instructure.com/courses/86436/modules/items/7859818
aws academy
Account
Dashboard
Courses
Calendar
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History
Help
ALLv1EN-LTI... › Modules › AWS Acade... › Launch AWS Academy Learner Lab
Home
Modules
Discussions
Grades
Lucid
AWS
Used $0 of $100
03:44
Start Lab
End Lab
AWS Details
Readme
Reset
Are you sure you want to end the lab?
Yes
No
Learner Lab
Environment Overview
Environment Navigation
Access the AWS Management Console
Region restriction
Service usage and other restrictions
Using the terminal in the browser
Running AWS CLI commands
Using the AWS SDK for Python
Preserving your budget
Accessing EC2 instances
SSH Access to EC2 instances
SSH Access from Windows
SSH Access from a Mac
Previous
Next