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Instances (2) [Info](#)

Any state ▼

<input type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS
<input type="checkbox"/>	Bastion Host	i-0c35ff3950bee0e52	Running	t2.micro	Initializing	View alarms +	us-east-1a	ec2-54-82-42-56.comp...
<input type="checkbox"/>	Lab	i-0a8a9d33dce6a5501	Running	t2.micro	Initializing	View alarms +	us-east-1a	ec2-18-212-226-161.co...

Select an instance



Volume settings

Volume type [Info](#)

General Purpose SSD (gp2) ▼

Size (GiB) [Info](#)

1

Min: 1 GiB, Max: 16384 GiB. The value must be an integer.

IOPS [Info](#)

100 / 3000

Baseline of 3 IOPS per GiB with a minimum of 100 IOPS, burstable to 3000 IOPS.


Throughput (MiB/s) [Info](#)

Not applicable

Availability Zone [Info](#)

us-east-1a ▼

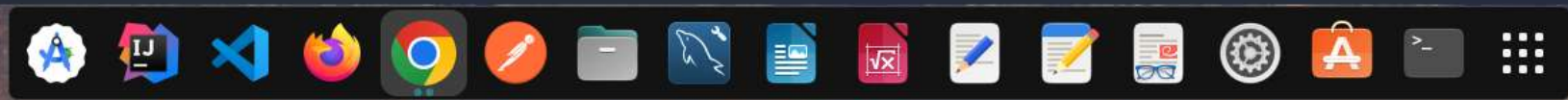
Snapshot ID - optional [Info](#)

Don't create volume from a snapshot ▼ 

Encryption [Info](#)

Use Amazon EBS encryption as an encryption solution for your EBS resources associated with your EC2 instances.

☐ Encrypt this volume



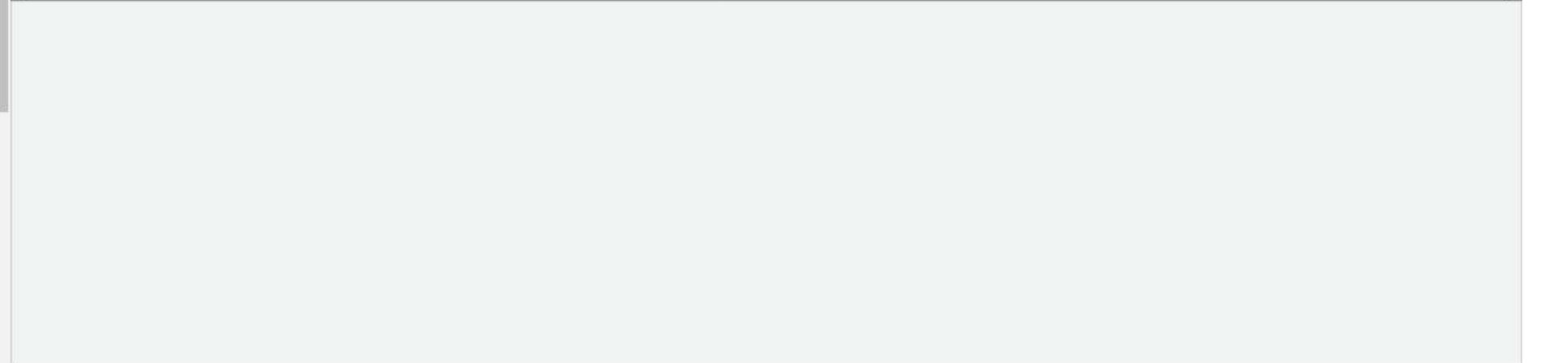
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✔ Successfully created volume [vol-01030be18b2406383](#).

Volumes (3) [Info](#) [Refresh](#) [Actions](#) [Create volume](#)

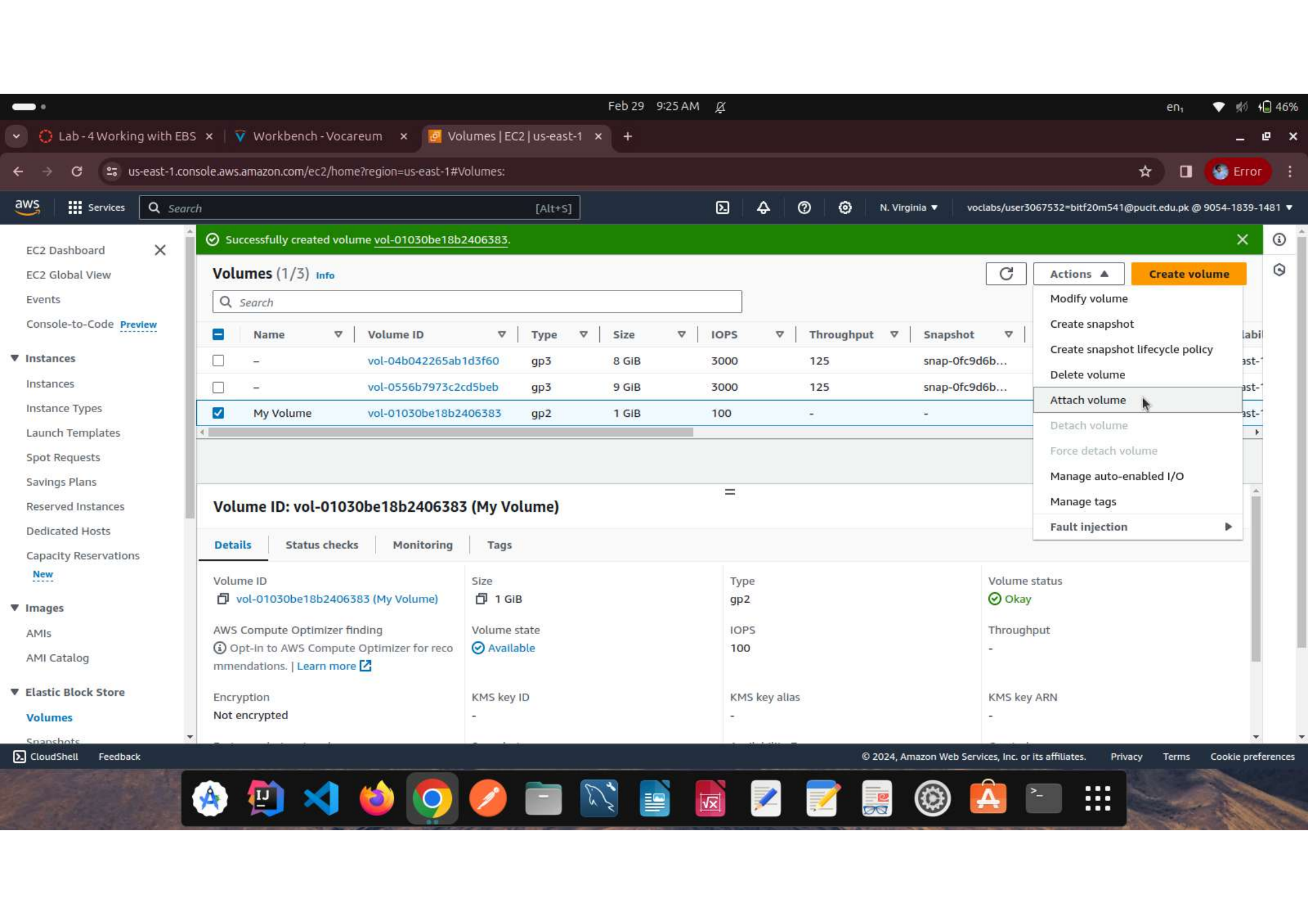
< 1 > [Settings](#)

<input type="checkbox"/>	Name ▾	Volume ID ▾	Type ▾	Size ▾	IOPS ▾	Throughput ▾	Snapshot ▾	Created ▾	Availability ▾
<input type="checkbox"/>	-	vol-04b042265ab1d3f60	gp3	8 GIB	3000	125	snap-0fc9d6b...	2024/02/29 09:16 GMT+5	us-east-1a
<input type="checkbox"/>	-	vol-0556b7973c2cd5beb	gp3	9 GIB	3000	125	snap-0fc9d6b...	2024/02/29 09:16 GMT+5	us-east-1a
<input type="checkbox"/>	My Volume	vol-01030be18b2406383	gp2	1 GIB	100	-	-	2024/02/29 09:23 GMT+5	us-east-1a



Summary for all volumes in this Region [^](#)





Basic details

Volume ID

vol-01030be18b2406383 (My Volume)

Availability Zone

us-east-1a

Instance [Info](#)

I-0a8a9d33dce6a5501



Only instances in the same Availability Zone as the selected volume are displayed.

Device name [Info](#)

/dev/sdf

Recommended device names for Linux: /dev/sda1 for root volume. /dev/sd[f-p] for data volumes.

Info Newer Linux kernels may rename your devices to **/dev/xvdf** through **/dev/xvdp** internally, even when the device name entered here (and shown in the details) is **/dev/sdf** through **/dev/sdp**.

Cancel

Attach volume



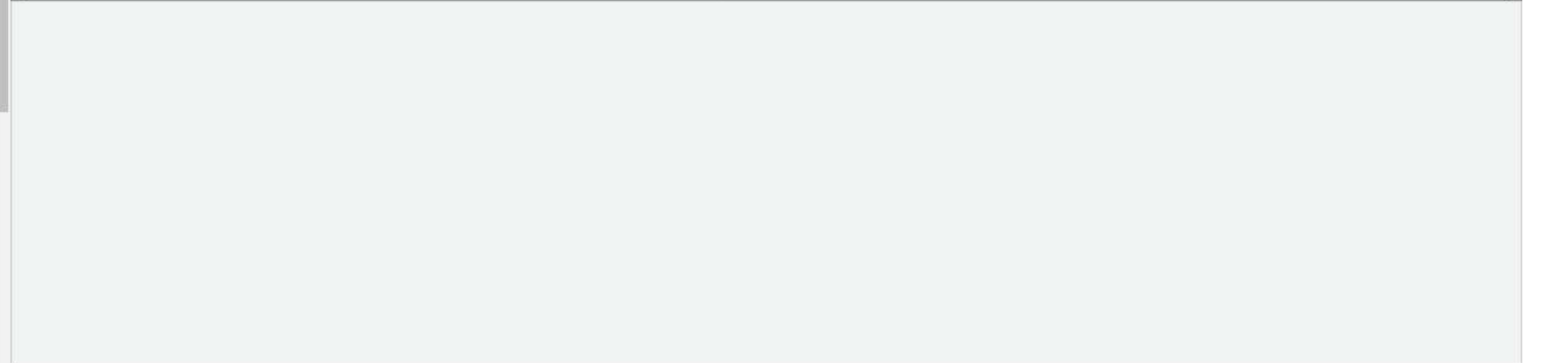
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Successfully attached volume [vol-01030be18b2406383](#) to instance [i-0a8a9d33dce6a5501](#).

Volumes (3) [Info](#) [Refresh](#) [Actions](#) [Create volume](#)

< 1 > [Settings](#)

<input type="checkbox"/>	Name ▾	Volume ID ▾	Type ▾	Size ▾	IOPS ▾	Throughput ▾	Snapshot ▾	Created ▾	Availability ▾
<input type="checkbox"/>	-	vol-04b042265ab1d3f60	gp3	8 GIB	3000	125	snap-0fc9d6b...	2024/02/29 09:16 GMT+5	us-east-1a
<input type="checkbox"/>	-	vol-0556b7973c2cd5beb	gp3	9 GIB	3000	125	snap-0fc9d6b...	2024/02/29 09:16 GMT+5	us-east-1a
<input type="checkbox"/>	My Volume	vol-01030be18b2406383	gp2	1 GIB	100	-	-	2024/02/29 09:23 GMT+5	us-east-1a



Summary for all volumes in this Region [^](#)



Connect to instance [Info](#)

Connect to your instance I-0a8a9d33dce6a5501 (Lab) using any of these options

EC2 Instance Connect

Session Manager

SSH client

EC2 serial console

Instance ID

I-0a8a9d33dce6a5501 (Lab)

Connection Type

☒ Connect using EC2 Instance Connect

Connect using the EC2 Instance Connect browser-based client, with a public IPv4 address.

☐ Connect using EC2 Instance Connect Endpoint

Connect using the EC2 Instance Connect browser-based client, with a private IPv4 address and a VPC endpoint.

Public IP address

18.212.226.161

Username

Enter the username defined in the AMI used to launch the instance. If you didn't define a custom username, use the default username, ec2-user.

ec2-user

Note: In most cases, the default username, ec2-user, is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI username.



```
#_
#####
~\#####\
~\#####|
~\#/\_
~V~'~'~>
~\
~\m/'
[ec2-user@ip-10-1-11-250 ~]$
```

Amazon Linux 2023

<https://aws.amazon.com/linux/amazon-linux-2023>

i-0a8a9d33dce6a5501 (Lab)

PublicIPs: 18.212.226.161 PrivateIPs: 10.1.11.250



×



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-10-1-11-250 ~]$ sudo mkdir /mnt/data-store
[ec2-user@ip-10-1-11-250 ~]$ sudo mount /dev/sdf /mnt/data-store
[ec2-user@ip-10-1-11-250 ~]$ 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-10-1-11-250 ~]$ cat /etc/fstab
#
UUID=81e4e009-191b-464c-8cc3-22de217d1136 / xfs defaults,noatime 1 1
UUID=EA7D-FA7D /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-10-1-11-250 ~]$ 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  2.9M  188M   2% /run
/dev/xvda1       8.0G  1.6G  6.5G  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
/dev/xvdf       975M  60K  924M   1% /mnt/data-store
[ec2-user@ip-10-1-11-250 ~]$
```

i-0a8a9d33dce6a5501 (Lab)

PublicIPs: 18.212.226.161 PrivateIPs: 10.1.11.250



Details

Volume ID

 vol-01030be18b2406383 (My Volume)

Description

Add a description for your snapshot

255 characters maximum.

Encryption [Info](#)

Not encrypted

Tags [Info](#)

A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.

Key

Use "My Snapshot"

Remove

Add tag

You can add 49 more tags.



EC2 Dashboard

EC2 Global View

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Images

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Elastic Block Store

- Volumes
- Snapshots

Successfully created snapshot **snap-0d90be43cbe63e126** from volume **vol-01030be18b2406383**.
If you need your snapshot to be immediately available consider using Fast Snapshot Restore.

Manage fast snapshot restore

Volumes (3) Info

Search

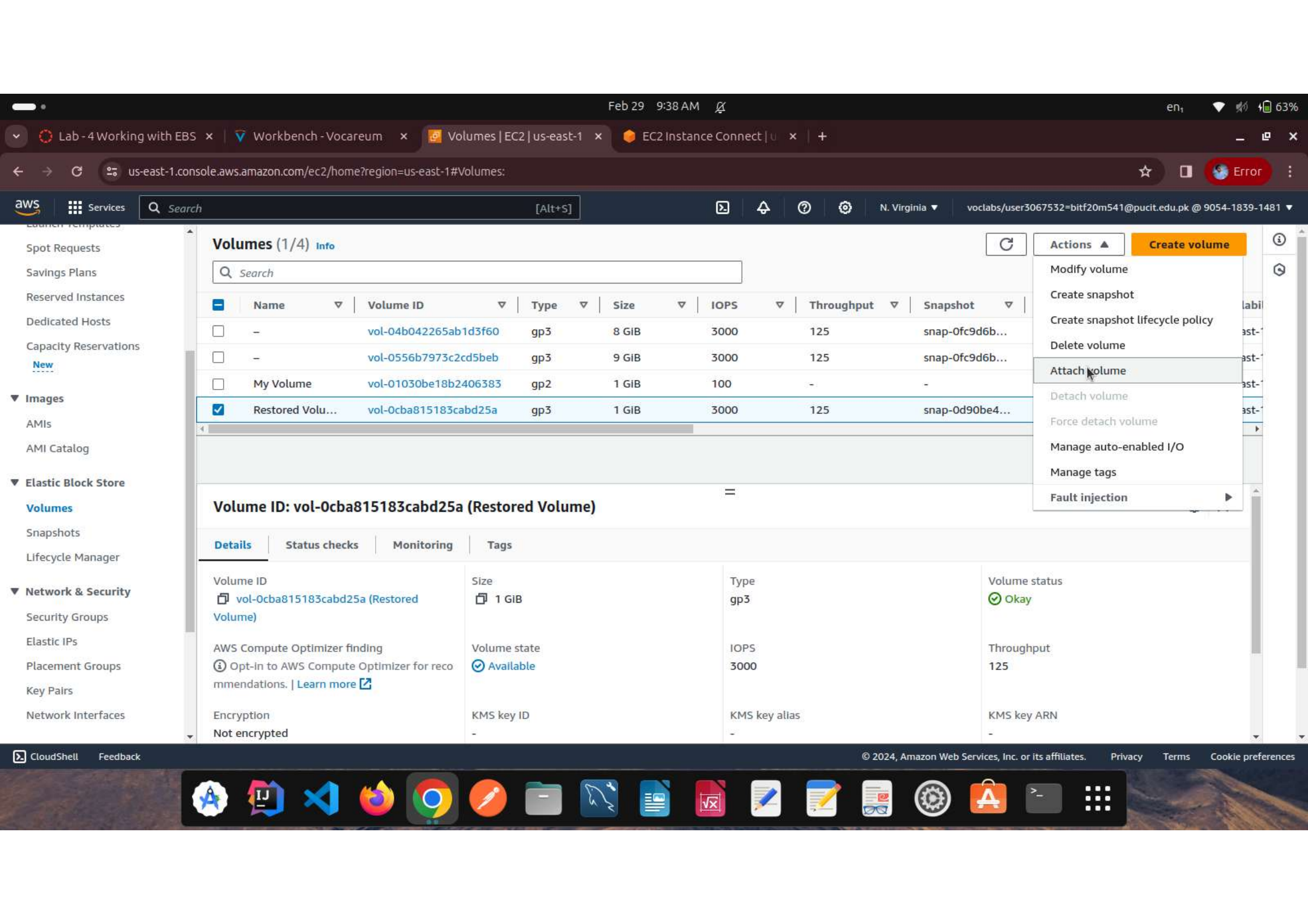
Actions Create volume

< 1 > ⚙

	Name	Volume ID	Type	Size	IOPS	Throughput	Snapshot	Created	Availability
<input type="checkbox"/>	-	vol-04b042265ab1d3f60	gp3	8 GIB	3000	125	snap-0fc9d6b...	2024/02/29 09:16 GMT+5	us-east-1a
<input type="checkbox"/>	-	vol-0556b7973c2cd5beb	gp3	9 GIB	3000	125	snap-0fc9d6b...	2024/02/29 09:16 GMT+5	us-east-1a
<input type="checkbox"/>	My Volume	vol-01030be18b2406383	gp2	1 GIB	100	-	-	2024/02/29 09:23 GMT+5	us-east-1a

Summary for all volumes in this Region





Feb 29 9:38 AM

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Lab - 4 Working with EBS x Workbench - Vocareum x Volumes | EC2 | us-east-1 x EC2 Instance Connect | U x +

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Volumes:

Error

Services Search [Alt+S]

N. Virginia voclabs/user3067532-bitf20m541@pucit.edu.pk @ 9054-1839-1481

Volumes (1/4) Info

Search

	Name	Volume ID	Type	Size	IOPS	Throughput	Snapshot
<input type="checkbox"/>	-	vol-04b042265ab1d3f60	gp3	8 GiB	3000	125	snap-0fc9d6b...
<input type="checkbox"/>	-	vol-0556b7973c2cd5beb	gp3	9 GiB	3000	125	snap-0fc9d6b...
<input type="checkbox"/>	My Volume	vol-01030be18b2406383	gp2	1 GiB	100	-	-
<input checked="" type="checkbox"/>	Restored Volu...	vol-0cba815183cabd25a	gp3	1 GiB	3000	125	snap-0d90be4...

- Actions
- Create volume
- Modify volume
- Create snapshot
- Create snapshot lifecycle policy
- Delete volume
- Attach volume
- Detach volume
- Force detach volume
- Manage auto-enabled I/O
- Manage tags
- Fault injection

Volume ID: vol-0cba815183cabd25a (Restored Volume)

Details	Status checks	Monitoring	Tags
Volume ID vol-0cba815183cabd25a (Restored Volume)	Size 1 GiB	Type gp3	Volume status Okay
AWS Compute Optimizer finding Opt-in to AWS Compute Optimizer for recommendations. Learn more	Volume state Available	IOPS 3000	Throughput 125
Encryption Not encrypted	KMS key ID -	KMS key alias -	KMS key ARN -

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Basic details

Volume ID

 vol-0cba815183cabd25a (Restored Volume)

Availability Zone

us-east-1a

Instance [Info](#)

I-0a8a9d33dce6a5501



Only instances in the same Availability Zone as the selected volume are displayed.

Device name [Info](#)

/dev/sdg

Recommended device names for Linux: /dev/sda1 for root volume. /dev/sd[f-p] for data volumes.

 Newer Linux kernels may rename your devices to **/dev/xvdf** through **/dev/xvdp** internally, even when the device name entered here (and shown in the details) is **/dev/sdf** through **/dev/sdp**.

Cancel

Attach volume



AWS

07:32

▶ Start Lab

■ End Lab

i AWS Details

i Details



Submit

Submission Report

Grades

EN-US

46. To find detailed feedback about your work, choose **Submission Report**.

💡 **Tip:** For any checks where you did not receive full points, there are sometimes helpful details provided in the submission report.

Conclusion

👏 Congratulations! You now have successfully:

- Created an Amazon EBS volume
- Attached the volume to an EC2 instance
- Created a file system on the volume
- Added a file to volume
- Created a snapshot of your volume
- Created a new volume from the snapshot
- Attached and mounted the new volume to your EC2 instance
- Verified that the file you created earlier was on the newly created volume

Lab Complete

Total score 25/25

Task 1 - Create EBS volume 5/5

Task 2 - Attach volume 5/5

Task 4 - Volume mounted 5/5

Task 5 - Snapshot created 5/5

Task 6 - Snapshot restored 5/5

