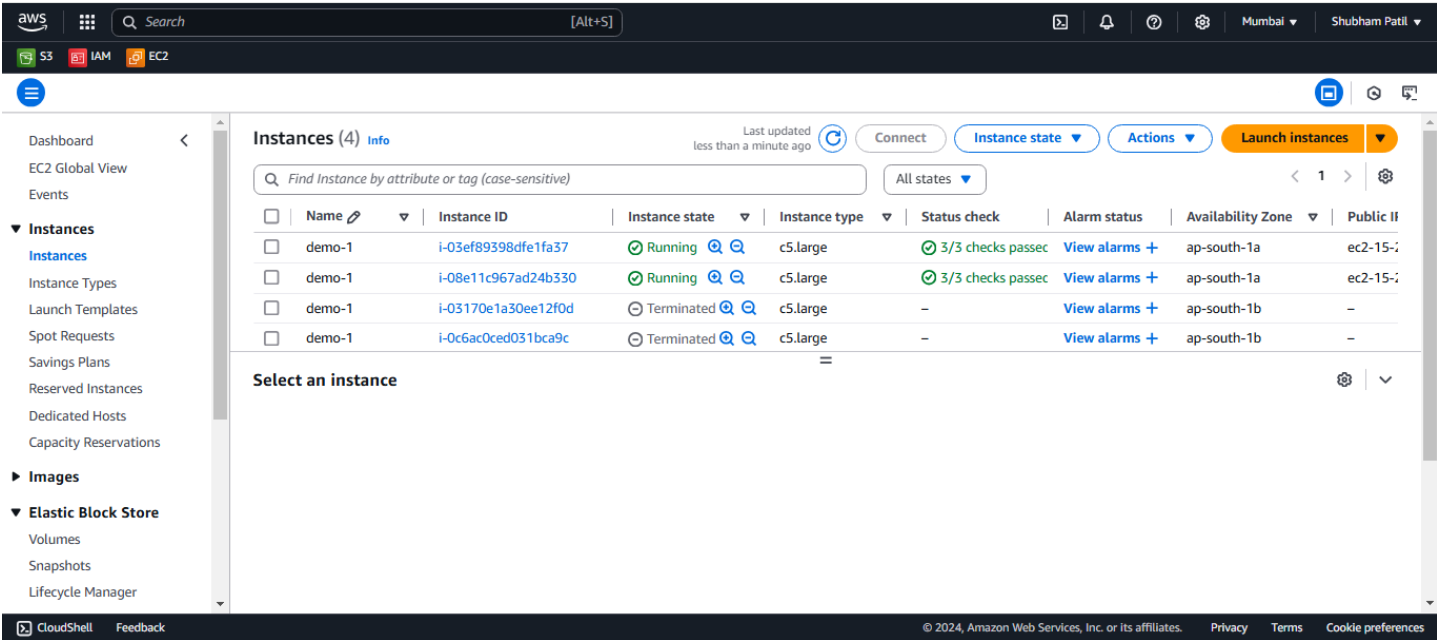


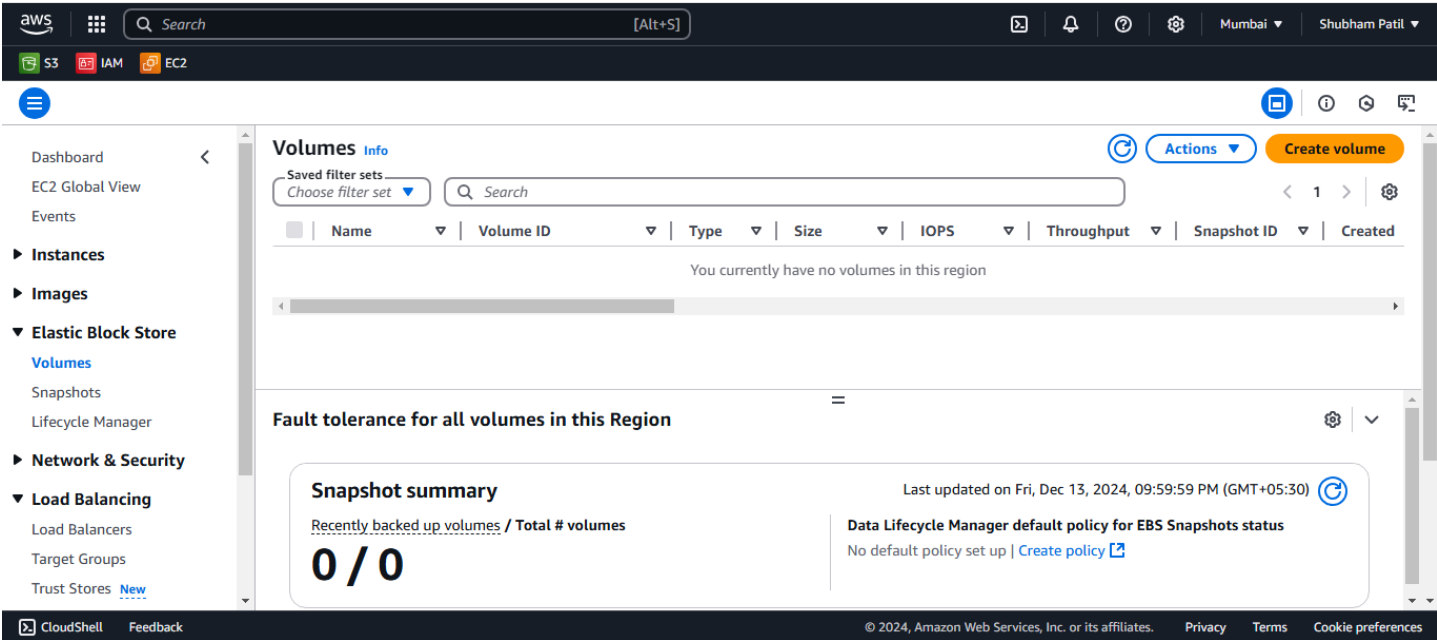
AWS Tasks On EC2 Service.

Task 4 : "Attach Single Volume To More Than One / Multiple Instance."

1. Launch Two EC2 Instance.



2. To Create Volume , Go To EBS → Volume → Create Volume.



3. Select Volume Type As Provisional IOPS (io2) And Specify Size.

aws Search [Alt+S] Mumbai Shubham Patil

S3 IAM EC2

EC2 > Volumes > Create volume

Create volume [Info](#)

Create an Amazon EBS volume to attach to any EC2 instance in the same Availability Zone.

Volume settings

Volume type [Info](#)

Provisioned IOPS SSD (io2)

Size (GiB) [Info](#)

100

Min: 4 GiB, Max: 65536 GiB. The value must be an integer.

IOPS [Info](#)

3000

Min: 100 IOPS, Max: 100000 IOPS (up to 1000 IOPS per GiB)

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

Not applicable

Availability Zone [Info](#)

ap-south-1a

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4. Enable Multi-Attach Feature.

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S3 IAM EC2

EC2 > Volumes > Create volume

Create volume [Info](#)

Create an Amazon EBS volume to attach to any EC2 instance in the same Availability Zone.

Availability Zone [Info](#)

ap-south-1a

Snapshot ID - optional [Info](#)

Don't create volume from a snapshot

Amazon EBS Multi-Attach [Info](#)

☒ Enable Multi-Attach

To enable Multi-Attach for Windows Server Failover Cluster (WSFC) please install the latest NVMe driver and configure SCSI persistent reservations according to the [documentation](#).

Encryption [Info](#)

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

☐ Encrypt this volume

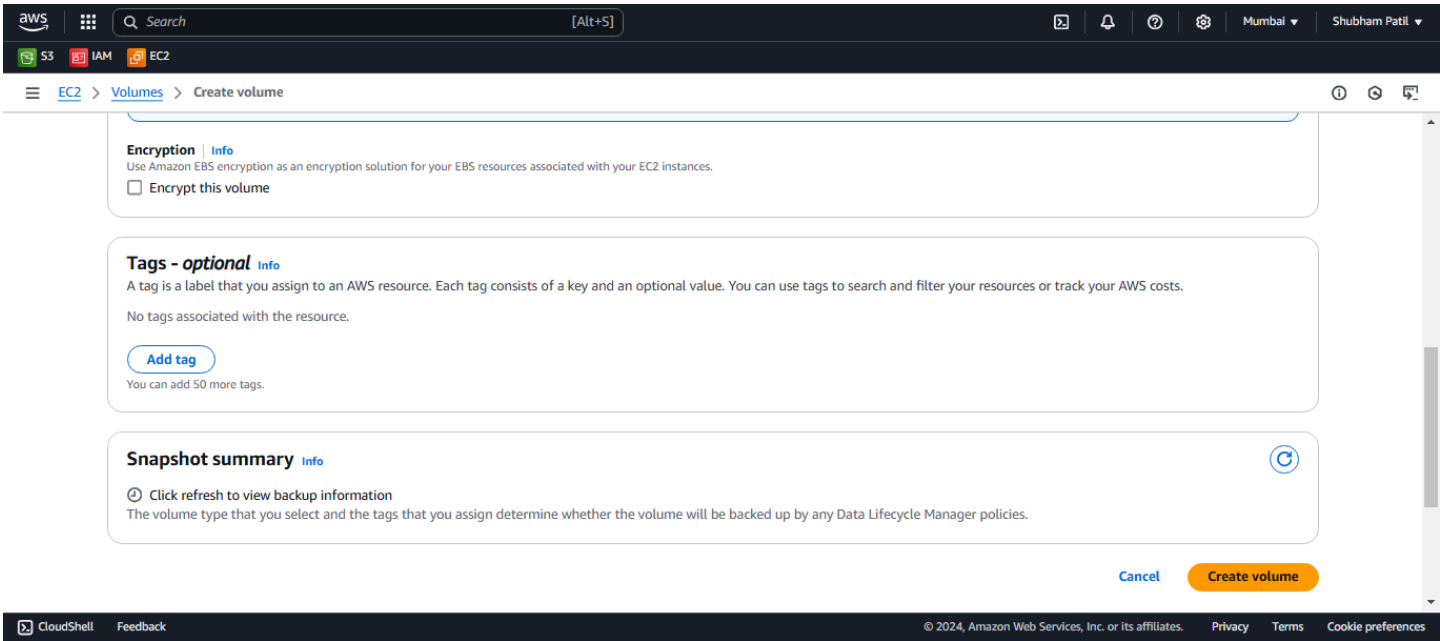
Tags - optional [Info](#)

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.

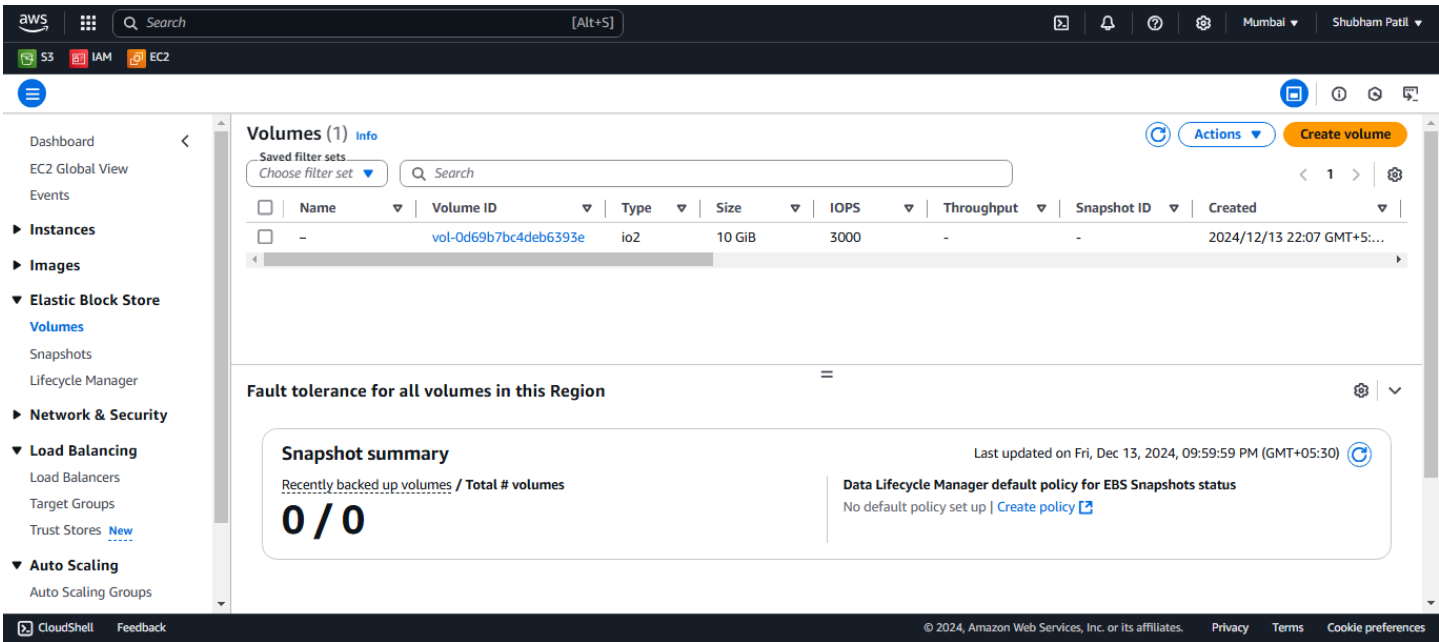
No tags associated with the resource.

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5. Then, Click On Create Volume.



6. Sucessfully Created Volume.



7. Now , Select Volume → Action → Attach Volume.

Dashboard

EC2 Global View

Events

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Capacity Reservations

Images

Elastic Block Store

Volumes

Snapshots

Lifecycle Manager

Volumes (1/3) Info

Save filter sets

Choose filter set

Search

	Name	Volume ID	Type	Size	IOPS	Throughput
<input type="checkbox"/>	-	vol-0663f94a09eb70e39	gp3	8 GiB	3000	125
<input type="checkbox"/>	-	vol-03876e4afd2cd2041	gp3	8 GiB	3000	125
<input checked="" type="checkbox"/>	-	vol-0d69b7bc4deb6393e	io2	10 GiB	3000	-

Volume ID: vol-0d69b7bc4deb6393e

Details

Status checks

Monitoring

Tags

Volume ID

vol-0d69b7bc4deb6393e

AWS Compute Optimizer finding

Opt-in to AWS Compute Optimizer for recommendations. | Learn more

Fast snapshot restored

Size

10 GiB

Volume state

Available

Availability Zone

Type

io2

IOPS

3000

Created

Volume status

Okay

Throughput

-

Multi-Attach enabled

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

CloudShell Feedback

8. Select EC2 Instance And Specify Device Name.

EC2 > Volumes > vol-0d69b7bc4deb6393e > Attach volume

Attach volume Info

Attach a volume to an instance to use it as you would a regular physical hard disk drive.

Basic details

Volume ID

vol-0d69b7bc4deb6393e

Availability Zone

ap-south-1a

Instance Info

i-03ef89398dfe1fa37 (demo-1) (running)

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

Device name Info

/dev/sdb

Recommended device names for Linux: /dev/xvda 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.

CloudShell Feedback

9. Click On Attach Volume.

The screenshot shows the AWS Management Console interface. At the top, there's a navigation bar with the AWS logo, a search bar, and user information (Mumbai, Shubham Patil). Below the navigation bar, the breadcrumb trail indicates the path: EC2 > Volumes > vol-0d69b7bc4deb6393e > Attach volume. The main content area is titled 'Basic details' and contains the following information:

- Volume ID:** vol-0d69b7bc4deb6393e
- Availability Zone:** ap-south-1a
- Instance:** A dropdown menu showing 'i-03ef89398dfe1fa37 (demo-1) (running)'. A note below states: 'Only instances in the same Availability Zone as the selected volume are displayed.'
- Device name:** A dropdown menu showing '/dev/sdb'. A note below states: 'Recommended device names for Linux: /dev/xvda for root volume, /dev/sd[f-p] for data volumes.'

A blue information box at the bottom of the details section states: '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.'

At the bottom right of the main content area, there are two buttons: 'Cancel' and 'Attach volume'.

10. Similarly, Attach Another EC2 Instance.

This screenshot shows the same AWS Management Console interface as the previous one, but with an additional instance attached to the volume. The breadcrumb trail remains the same: EC2 > Volumes > vol-0d69b7bc4deb6393e > Attach volume. The 'Basic details' section is identical to the previous screenshot. However, a new section titled 'Attached instances' has appeared at the bottom of the details section, showing a list of instances with a checkbox next to 'i-03ef89398dfe1fa37'. The 'Attach volume' button is still present at the bottom right.

11. And Here, We Have Attach More Than One Instance To The Single Volume.

Search [Alt+S]

Successfully attached volume `vol-0d69b7bc4deb6393e` to instance `i-08e11c967ad24b330`.

Volumes (1/3) [Info](#)

Save filter sets
Choose filter set

Input	Snapshot ID	Created	Availability Zone	Volume state	Alarm status	Attached resources
...	snap-0b1f769...	2024/12/13 22:19 GMT+5...	ap-south-1a	In-use	No alarms	+ <code>i-08e11c967ad24b330</code> (de...
...	snap-0b1f769...	2024/12/13 22:19 GMT+5...	ap-south-1a	In-use	No alarms	+ <code>i-03ef89398dfe1fa37</code> (dem...
-	-	2024/12/13 22:07 GMT+5...	ap...			+ <code>i-08e11c967ad24b330</code> (i-08e11c967ad24b330) (2 instances)

Volume ID: `vol-0d69b7bc4deb6393e`

Details | Status checks | Monitoring | Tags

Volume ID
`vol-0d69b7bc4deb6393e`

AWS Compute Optimizer finding
Opt-in to AWS Compute Optimizer for recommendations. [Learn more](#)

Fast snapshot restored

Size
10 GiB

Volume state
In-use

Availability Zone

IO2

IOPS
3000

Created

Insufficient data

Throughput
-

Multi-Attach enabled

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THANK YOU..!!