

## Phase-5 Practice Project: Assisted Practice –

### 2. Change the Volume Size of an Instance.

The screenshot shows the AWS Management Console interface. On the left is a navigation menu with categories like Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Scheduled Instances, Capacity Reservations, Images, Elastic Block Store, and Network & Security. The 'Elastic Block Store' section is expanded, showing 'Volumes', 'Snapshots', and 'Lifecycle Manager'. The main panel is titled 'Volumes (1/2)' and contains a table of volumes. Two volumes are listed, both of type 'gp3' and size '8 GiB'. The second volume, 'vol-0a23eed3a824ddc3a', is selected. Below the table, the details for this volume are shown in a tabbed interface. The 'Details' tab is active, displaying information such as Volume ID, Size (8 GiB), Type (gp3), Volume status (Okay), IOPS (3000), Throughput (125), Encryption (Not encrypted), and KMS key ID.

Name	Volume ID	Type	Size	IOPS	Throughput	Snapshot	Created
-	vol-0d047d113a67a1590	gp3	8 GiB	3000	125	snap-03d6eeb...	2023/07/26 09:51 GMT+5:...
✓	vol-0a23eed3a824ddc3a	gp3	8 GiB	3000	125	snap-03d6eeb...	2023/07/26 09:11 GMT+5:...

**Volume ID: vol-0a23eed3a824ddc3a**

**Details** | Status checks | Monitoring | Tags

Volume ID vol-0a23eed3a824ddc3a	Size 8 GiB	Type gp3	Volume status Okay
AWS Compute Optimizer finding This user is not authorized to call AWS Compute Optimizer.   Retry	Volume state In-use	IOPS 3000	Throughput 125
Encryption Not encrypted	KMS key ID -	KMS key alias -	KMS key ARN -

The screenshot shows the 'Create volume' page in the AWS Management Console. The breadcrumb navigation at the top indicates the path: EC2 > Volumes > Create volume. The page title is 'Create volume' with an 'info' link. Below the title is a descriptive sentence: 'Create an Amazon EBS volume to attach to any EC2 instance in the same Availability Zone.' The 'Volume settings' section is highlighted with a light gray background. It contains several fields: 'Volume type' is set to 'General Purpose SSD (gp2)'; 'Size (GiB)' is set to '3', with a note indicating a minimum of 1 GiB and a maximum of 16384 GiB; 'IOPS' is set to '100 / 3000', with a note about the baseline and burstable options; 'Throughput (MiB/s)' is set to 'Not applicable'; and 'Availability Zone' is set to 'us-east-1a'. At the bottom, there is a field for 'Snapshot ID - optional'.

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](#)  
General Purpose SSD (gp2)

Size (GiB) [info](#)  
3  
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](#)

EC2 > Volumes > vol-09309fba4eebbe570 > 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-09309fba4eebbe570

Availability Zone

us-east-1c

Instance Info

Device name Info

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

Cancel

Attach volume

Instance

The instance must be in the same Availability Zone as the volume. The number of volumes that you can attach to an instance depends on the instance type.

If the volume is encrypted, it can only be attached to an instance type that supports EBS encryption.

Learn more

[Instance type volume limits](#)

[Instance types that support EBS encryption](#)

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Volumes

Successfully created volume vol-0fbd902f54bd2b0b9.

Volumes (4) Info

Q Search

<input type="checkbox"/>	Name	Volume ID	Type	Size	IOPS	Throughput	Snapshot
<input type="checkbox"/>	-	vol-09309fba4eebbe570	gp2	2 GiB	100	-	-
<input type="checkbox"/>	-	vol-0d047d113a67a1590	gp3	8 GiB	3000	125	snap-03d6ee
<input type="checkbox"/>	-	vol-0a23eed3a824ddc3a	gp3	8 GiB	3000	125	snap-03d6ee
<input type="checkbox"/>	-	vol-0fbd902f54bd2b0b9	gp2	3 GiB	100	-	-

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

Select a volume above

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Volumes

Instances (2) Info

Q Find instance by attribute or tag (case-sensitive)

Connect

Instance state

Actions

Launch instances

<input type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS
<input type="checkbox"/>	MYLABEC2-2	i-0d4ae4784cd4382c2	Running	t2.micro	2/2 checks passed	No alarms	us-east-1e	ec2-18-206-192-
<input type="checkbox"/>	MY-LAB-1	i-09eac103a90a9aadb	Running	t2.micro	2/2 checks passed	No alarms	us-east-1b	ec2-54-204-208-

Select an instance

