

Assisted Practice Project2: Change the Volume Size of an Instance

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The screenshot shows the AWS Management Console 'Volumes' page. The left sidebar contains navigation links for EC2 Dashboard, EC2 Global View, Events, Console-to-Code, Instances, Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Capacity Reservations, Images, AMIs, AMI Catalog, and Elastic Block Store. The main content area shows a table of volumes. The selected volume 'vol-08e1b8d22fcfb4c5' is a gp2 type, 30 GiB in size, with 100 IOPS. The volume status is 'In-use'.

Name	Volume ID	Type	Size	IOPS	Throughput	Snapshot	Created
-	vol-08e1b8d22fcfb4c5	gp2	30 GiB	100	-	snap-01a6528...	2024/01/10 19:33 GMT+5:...

Volume ID: vol-08e1b8d22fcfb4c5

Details	Status checks	Monitoring	Tags
Volume ID vol-08e1b8d22fcfb4c5	Size 30 GiB	Type gp2	Volume status Okay
AWS Compute Optimizer finding This user is not authorized to call AWS Compute Optimizer. Retry	Volume state In-use	IOPS 100	Throughput -
Encryption Not encrypted	KMS key ID -	KMS key alias -	KMS key ARN -

The screenshot shows the AWS Management Console 'Create Volume' page. The 'Volume settings' section is visible, showing the following configuration:

- Volume type: General Purpose SSD (gp3)
- Size (GiB): 100
- IOPS: 3000
- Throughput (MiB/s): 125
- Availability Zone: us-east-1a

A notification banner states: 'General Purpose SSD gp3 is now the default selection. gp3 provides up to 20% lower cost per GB than gp2. [Learn More](#)'

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

Services

Search

[Alt+S]

N. Virginia

Corestack_Role/c.balamanikandan_mphasis @ 3603-0453-5068

RDS

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

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.

Add tag

You can add 50 more tags.

Snapshot summary

Info

Click refresh to view backup information

The volume type that you select and the tags that you assign determine whether the volume will be backed up by any Data Lifecycle Manager policies.

Cancel

Create volume

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

Services

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Volumes

Successfully created volume vol-0988d122b3f09a715.

Volumes (1/2)

Info

Actions

Create volume

Search

	Name	Volume ID	Type	Size	IOPS	Throughput	Snapshot	Created
<input type="checkbox"/>	-	vol-08e1b8d22fcfb4c5	gp2	30 GiB	100	-	snap-01a6528...	2024/01/10 19:33 GMT+5...
<input checked="" type="checkbox"/>	-	vol-0988d122b3f09a715	gp2	10 GiB	100	-	-	2024/01/10 20:04 GMT+5...

Deselect volume: vol-0988d122b3f09a715

Volume ID: vol-0988d122b3f09a715

Details

Status checks

Monitoring

Tags

Volume ID	Size	Type	Volume status
vol-0988d122b3f09a715	10 GiB	gp2	Okay
AWS Compute Optimizer finding	Volume state	IOPS	Throughput
This user is not authorized to call AWS Compute Optimizer. Retry	Creating	100	-
Encryption	KMS key ID	KMS key alias	KMS key ARN
Not encrypted	-	-	-

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

Services

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Volumes

Successfully created volume vol-0988d122b3f09a715.

Volumes (1/2)

Info

Actions

Create volume

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	Name	Volume ID	Type	Size	IOPS	Throughput	Snapshot	Created
<input type="checkbox"/>	-	vol-08e1b8d22fcfb4c5	gp2	30 GiB	100	-	snap-01a6528...	2024/01/10 19:33 GMT+5...
<input checked="" type="checkbox"/>	-	vol-0988d122b3f09a715	gp2	10 GiB	100	-	-	2024/01/10 20:04 GMT+5...

Deselect volume: vol-0988d122b3f09a715

Volume ID: vol-0988d122b3f09a715

Details

Status checks

Monitoring

Tags

Volume ID	Size	Type	Volume status
vol-0988d122b3f09a715	10 GiB	gp2	Okay
AWS Compute Optimizer finding	Volume state	IOPS	Throughput
This user is not authorized to call AWS Compute Optimizer. Retry	Available	100	-
Encryption	KMS key ID	KMS key alias	KMS key ARN
Not encrypted	-	-	-

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

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#AttachVolume:volumeId=vol-0988d122b3f09a715

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Basic details

Volume ID
vol-0988d122b3f09a715

Availability Zone
us-east-1b

Instance [Info](#)
i-0b189f14cb7d0a7a6

Device name [Info](#)
/dev/sdf

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

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Instances?v=3,\$case=tags:true%5C,client:false,\$regex=tags:false%5C,client:false

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Volumes

Successfully terminated i-08996b5e1ad451251,i-05c71c2095b1ce8d9

Notifications 0 0 2 0 0 0

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

Find Instance by attribute or tag (case-sensitive)

Connect Instance state Actions Launch instances

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IP
<input type="checkbox"/>	dockerswarm	i-08996b5e1ad451251	Terminated	t2.micro	-	View alarms	us-east-1d	-
<input type="checkbox"/>	dockerswarm	i-05c71c2095b1ce8d9	Terminated	t2.micro	-	View alarms	us-east-1d	-
<input checked="" type="checkbox"/>	newec2instance	i-0b189f14cb7d0a7a6	Running	t2.micro	2/2 checks passed	View alarms	us-east-1b	ec2-34-20...

Instance: i-0b189f14cb7d0a7a6 (newec2instance)

Block devices

Filter block devices

Volume ID	Device name	Volume size (GiB)	Attachment status	Attachment time	Encrypted	KMS key ID
vol-08e1b8d22fcffb4c5	/dev/xvda	30	Attached	2024/01/10 19:33 GMT+5:30	No	-
vol-0988d122b3f09a715	/dev/sdf	10	Attached	2024/01/10 20:07 GMT+5:30	No	-

Recent root volume replacement tasks