

Creating the new volume which we want to add to an instance and clicking on **create volume**

The screenshot shows the AWS Management Console interface. The left sidebar contains navigation links for various AWS services. The main content area displays the 'Volumes' page. At the top, there is a 'Create Volume' button and an 'Actions' dropdown. Below this is a search bar and a table of volumes. The table has columns for Name, Volume ID, Size, Volume Type, IOPS, Snapshot, Created, Availability Zone, State, and Alarm Status. One volume is listed: 'vol-0a788e1...' with a size of 8 GiB, type gp2, 100 IOPS, snapshot 'snap-05a19c3...', created on September 21, 2019, in the us-east-1c availability zone, and is in the 'in-use' state. Below the table, the 'Volumes: vol-0a788e19d090c3099' section is shown with tabs for Description, Status Checks, Monitoring, and Tags. The 'Description' tab is active, displaying details for the selected volume.

Name	Volume ID	Size	Volume Type	IOPS	Snapshot	Created	Availability Zone	State	Alarm Status
vol-0a788e1...	vol-0a788e19d090c3099	8 GiB	gp2	100	snap-05a19c3...	September 21, 2019	us-east-1c	in-use	None

Description	
Volume ID	vol-0a788e19d090c3099
Size	8 GiB
Created	September 21, 2019 at 9:30:26 AM UTC+1
State	in-use
Attachment information	i-074602837b831d96a:/dev/xvda (attached)
Alarm status	None
Snapshot	snap-05a19c3581abd794a
Availability Zone	us-east-1c
Encryption	Not Encrypted
KMS Key ID	

Validating the Availability zone of the EC2 instance with which you want to add volume

Instances | EC2 Management | X

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

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Launch Instance Connect Actions

Filter by tags and attributes or search by keyword

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)	IPv4 Public IP
	i-07f602837b831d86a	t2.micro	us-east-1c	running	2/2 checks ...	None	ec2-54-227-70-128.co...	54.227.70.128

Instance: i-07f602837b831d86a Public DNS: ec2-54-227-70-128.compute-1.amazonaws.com

Description Status Checks Monitoring Tags

Instance ID	i-07f602837b831d86a	Public DNS (IPv4)	ec2-54-227-70-128.compute-1.amazonaws.com
Instance state	running	IPv4 Public IP	54.227.70.128
Instance type	t2.micro	IPv6 IPs	-
Elastic IPs		Private DNS	ip-172-31-30-3.ec2.internal
Availability zone	us-east-1c	Private IPs	172.31.30.3

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Providing type, size, availability zone, and snapshot name on the **create volume** tab

Create Volume | EC2 Manager

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

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Create Volume

Volume Type: General Purpose SSD (gp2)

Size (GiB): 2 (Min: 1 GiB, Max: 16384 GiB)

IOPS: 300 / 3000 (Baseline of 3 IOPS per GiB with a minimum of 100 IOPS, burstable to 3000 IOPS)

Availability Zone*: us-east-1c

Throughput (MiB/s): Not applicable

Snapshot ID: Select a snapshot

Encryption: ☐ Encrypt this volume

Key	Value
This resource currently has no tags	
Choose the Add tag button or click to add a Name tag	
Add Tag	50 remaining (Up to 50 tags maximum)

* Required

Cancel Create Volume

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Selecting newly created volume and clicking on the action to attach the volume to the instance

The screenshot shows the AWS Management Console interface for the 'Volumes' section. The left sidebar contains navigation links for various AWS services. The main content area displays a table of volumes with columns for Name, Volume Type, IOPS, Snapshot, Created, Availability Zone, State, and Alarm Status. An 'Actions' dropdown menu is open over the first volume, showing options like 'Modify Volume', 'Create Snapshot', 'Delete Volume', 'Attach Volume' (highlighted), 'Detach Volume', 'Force Detach Volume', 'Change Auto-Enable IO Setting', and 'Add/Edit Tags'.

Name	Volume Type	IOPS	Snapshot	Created	Availability Zone	State	Alarm Status
vol-08837d74e970201a4	gp2	100		September 21, 2019...	us-east-1c	available	None
vol-08a19c3...	gp2	100	snap-08a19c3...	September 21, 2019...	us-east-1c	in-use	None

Volume Details: vol-08837d74e970201a4

Description		Status Checks	Monitoring	Tags
Volume ID	vol-08837d74e970201a4	Alarm status	None	
Size	2 GiB	Snapshot		
Created	September 21, 2019 at 9:44:52 AM UTC+1	Availability Zone	us-east-1c	
State	available	Encryption	Not Encrypted	
Attachment information		KMS Key ID		

Selecting the instance of the same availability zone and attaching the volume in pop

Volumes | EC2 Management | console.aws.amazon.com/ec2/home?region=us-east-1#Volumes:sort=desc:createTime

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Create Volume Actions

Filter by tags and attributes or search by keyword

Name	Volume ID	Size	Volume Type	IOPS	Snapshot	Created	Availability Zone	State	Alarm Status
	vol-08837d74e670201a4	2 GiB	gp2	100		September 21, 2018	us-east-1c	available	None
	vol-0a786e1...	8 GiB	gp2	100	snap-05a19c3...	September 21, 2018	us-east-1c	in-use	None

Attach Volume

Volume *i* vol-08837d74e670201a4 in us-east-1c

Instance *i* i-07602837b631d86a in us-east-1c

Device *i* /dev/sdf
Linux Devices: /dev/sdf through /dev/sdp

Note: 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

Volumes: vol-08837d74e670201a4

Description Status Checks

Volume ID: vol-08837d74e670201a4
Size: 2 GiB
Created: September 21, 2018 at 9:44:52 AM UTC+1
State: available
Snapshot: -
Availability Zone: us-east-1c
Encryption: Not Encrypted
KMS Key ID: -

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Verifying the instance by adding one more device to the block device

Instances | EC2 Management

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

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Filter by tags and attributes or search by keyword

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Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)	IPv4 Public IP
	i-07892837b631d86a	t2.micro	us-east-1c	running	2/2 checks	None	ec2-54-227-70-128.co...	54.227.70.128

Scheduled events

No scheduled events

AMI ID

amazon-ami-hvm-2018.03.0.20180626-amzn-ami-00b20989ec5900cb4

Platform

-

IAM role

-

Key pair name

jky_jaws_batch

Owner

651759643195

Launch time

September 21, 2019 at 9:30:26 AM UTC+1 (less than one hour)

Termination protection

False

Lifecycle

normal

Monitoring

basic

Alarm status

None

Kernel ID

-

RAM disk ID

-

Placement group

-

Partition number

-

Virtualization

hvm

VPC ID

vpc-4e244834

Subnet ID

subnet-16dc3c5b

Network interfaces

eth0

Source/dest. check

True

T2/T3 Unlimited

Disabled

EBS-optimized

False

Root device type

efs

Root device

/dev/xvda

Block devices

/dev/xvda
/dev/hdd

Elastic Graphics ID

-

Elastic Inference accelerator ID

-

Capacity Reservation

-

Capacity Reservation Settings

Open

Feedback

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