



AWS Tasks

1. Attaching extra volume to instance
2. Formate it and Store data
3. Creating snapshot of instance
4. Creating AMI of snapshot
5. Launching instance from that AMI

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Creating Extra Volume

Volume must be in same **Availability Zone**

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 (gp3) ▼

Size (GiB) [Info](#)

5

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

IOPS [Info](#)

3000

Min: 3000 IOPS, Max: 16000 IOPS. The value must be an integer.

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

125

Min: 125 MiB, Max: 1000 MiB. Baseline: 125 MiB/s.

Availability Zone [Info](#)

us-east-1b ▼

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Attaching that Extra-Vol 1st Instance

Volumes (1/3) Info

Saved filter sets
Choose filter set

Search

	Name	Volume ID	Type	Size	IOPS	Throughput
<input checked="" type="checkbox"/>	Extra-Vol	vol-0fb76093734a4288e	gp3	5 GiB	3000	125
<input type="checkbox"/>	-	vol-01a92997e01fc003b	gp3	10 GiB	3000	125
<input type="checkbox"/>	-	vol-0fa8e42fbf555deb3	gp3	10 GiB	3000	125

Modify volume

Create snapshot

Create snapshot lifecycle policy

Delete volume

Attach volume

Detach volume

Force detach 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-0fb76093734a4288e (Extra-Vol)

Availability Zone

us-east-1b

Instance Info

i-0eee6fe65a817ddf1

(1st) (running)

Device name Info

/dev/sdb

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

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Extra volume is attatched to 1st instance

Instances (1/2) Info

Last updated 1 minute ago

Connect

Instance state

Action

Find Instance by attribute or tag (case-sensitive)

All states

Instance state = running

Clear filters

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status
<input checked="" type="checkbox"/>	1st	i-0eee6fe65a817ddf1	Running	t2.micro	2/2 checks passed	View alarms
<input type="checkbox"/>	2nd	i-0318b404f39caaea2	Running	t2.micro	2/2 checks passed	View alarms

i-0eee6fe65a817ddf1 (1st)

☒

vol-01a92997e01fc003b

/dev/sda1

10

Attached

2024/12/13 16:26 GMT+5:

☐

vol-0fb76093734a4288e

/dev/sdb

5

Attached

2024/12/13 16:31 GMT+5:

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- Giving file system to that Volume
- mounting it to directory
- and now it is ready to store data

```
[root@ip-172-31-27-18 ~]# mkdir /jaipur
[root@ip-172-31-27-18 ~]# mount /dev/xvdb /jaipur
[root@ip-172-31-27-18 ~]# lsblk
```

NAME	MAJ:MIN	RM	SIZE	RO	TYPE	MOUNTPOINTS
xvda	202:0	0	10G	0	disk	
├─xvda1	202:1	0	1M	0	part	
├─xvda2	202:2	0	200M	0	part	/boot/efi
├─xvda3	202:3	0	1G	0	part	/boot
└─xvda4	202:4	0	8.8G	0	part	/
xvdb	202:16	0	5G	0	disk	/jaipur

```
[root@ip-172-31-27-18 ~]#
```



Creating Snapshot from instance

give Description that we are creating snapshot from instance

Source

Resource type [Info](#)

☐ Volume

Create a snapshot from a specific volume.

☒ Instance

Create multi-volume snapshots from an instance.

Instance ID

The instance from which to create multi-volume snapshots.

i-0eee6fe65a817ddf1 (1st)
us-east-1b



Snapshot details

Description

Add a description for your snapshot.

snapshot for 1st webserver

255 characters maximum

Snapshot is Created

Snapshots (1/1) [Info](#)

Owned by me ▼

🔍 Search



Name



Snapshot ID



Volume size



Description



–

snap-0c1f11a9346bd032a

10 GiB

snapshot for 1st webserver

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Create Image from Snapshot

Snapshots (1/1) [Info](#)

Owned by me ▼

Q Search



Name ▼

Snapshot ID ▼

Volume size ▼

Description ▼

Storage



–

snap-0c1f11a9346bd032a

10 GiB

snapshot for 1st webserver

Standard



[Recycle Bin](#)

[Actions](#) ▲

Create volume from snapshot

Create image from snapshot

Copy snapshot

Launch copy duration calculator

Delete snapshot

Manage tags

Create image from snapshot [Info](#)

Create a new image from a snapshot taken from the root device volume of an instance.

Image settings

Snapshot ID

snap-0c1f11a9346bd032a

Image name

A descriptive name for the image.

ImgFromSnapshot

3 - 128 characters. Valid characters are a-z, A-Z, 0-9, spaces, and – _ . / () [] ' @.

Description

A description for the image.

imgFromSnapShot

255 characters maximum

Architecture [Info](#)

Select i386 for 32-bit or x86_64 for 64-bit.

x86_64 ▼

Root device name [Info](#)

The device name that is reserved for the root volume.

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AMI is Created

Amazon Machine Images (AMIs) (1) Info					Refresh	Recycle Bin	EC2 Image Builder	Actions ▼	Launch instance
<div>Owned by me ▼</div> <div><input type="text" value="Find AMI by attribute or tag"/></div>									
<input type="checkbox"/>	Name ✎	▼	AMI name	▼	AMI ID	▼	Source	▼	Owner
<input type="checkbox"/>	imageFromSnapShot		ami-0b6742ac0eece06fc		794038226517/imageFromSnapShot		794038226517		

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Launching Instance From AMI

Instances (1/2) [Info](#)

Last updated less than a minute ago

[Connect](#)

[Instance status checks](#)

[All states](#) ▼

	Name	Instance ID	Instance state	Instance type	Status check
<input type="checkbox"/>	1st	i-0eee6fe65a817ddf1	Running	t2.micro	2/2 checks passed
<input checked="" type="checkbox"/>	instanceFrom...	i-0dde74b3d9c8f42c4	Running	t2.micro	Initializing

As you can see all files are here

```
[root@ip-172-31-39-220 ~]#  
[root@ip-172-31-39-220 ~]# ls  
file1  file11  file12  file13  file14  file15  file16  file17  file18  file19  file2  file20}  file4  file6  file8  
file10 file11}  file12}  file13}  file14}  file15}  file16}  file17}  file18}  file19}  file20  file3  file5  file7  file9  
[root@ip-172-31-39-220 ~]#
```

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