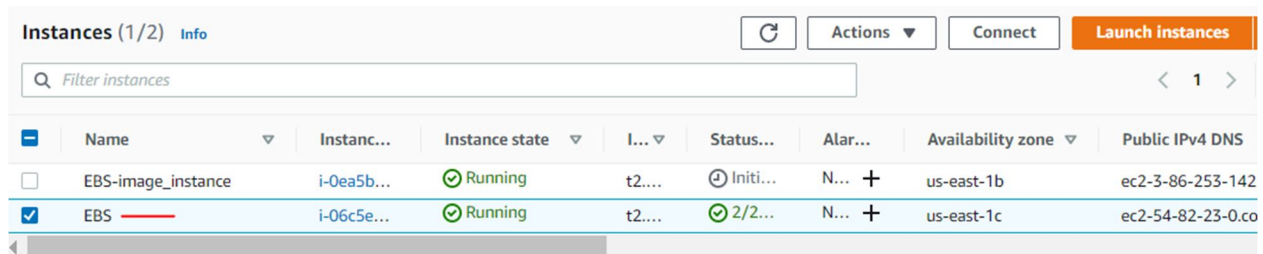


## Migrate Root device volume from one a viability zone to another

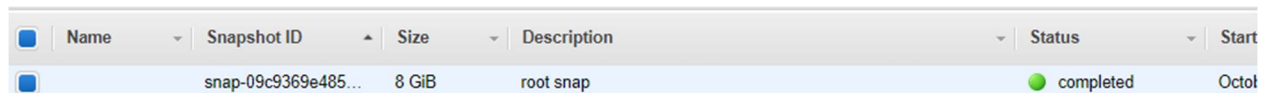
At first create a EC2 instance at AWS management console. Then follow below steps to migrate that instance root volume data to another availability zone. Below showing instance “EBS” is the instance which created first time and we will create a volume from its root device.



	Name	Instanc...	Instance state	I...	Status...	Alar...	Availability zone	Public IPv4 DNS
<input type="checkbox"/>	EBS-image_instance	i-0ea5b...	Running	t2...	Initi...	N... +	us-east-1b	ec2-3-86-253-142
<input checked="" type="checkbox"/>	EBS	i-06c5e...	Running	t2...	2/2...	N... +	us-east-1c	ec2-54-82-23-0.co

Services -> EC2 -> Elastic Block Storage -> Volumes -> Select root device -> Actions -> Create snapshot -> give a name and click “create snapshot”

Services -> EC2 -> Elastic Block Storage -> Snapshots -> snap show as below



	Name	Snapshot ID	Size	Description	Status	Start
<input checked="" type="checkbox"/>		snap-09c9369e485...	8 GiB	root snap	completed	Octol

Then , click snp and go to “Actions” -> “Create Volume” -> and specify followings like

**Volume Type = General purpose / IOPS**

**Size= we can resize the size**

**Avaiaility zone = we can select desired aviability zone**

Volume Type General Purpose SSD (gp2) ⓘ

Size (GiB) 8 (Min: 1 GiB, Max: 16384 GiB) ⓘ

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

Throughput (MB/s) Not applicable ⓘ

Availability Zone\* us-east-1b ⓘ

Fast Snapshot Restore Not enabled ⓘ

Encryption ☐ Encrypt this volume

**And click “Create volume”**

Then go to snap landing page again and select the snap and select **“Actions”** and select **“Copy”** and select destination region and click copy

**Copy Snapshot** ✕

This snapshot, **snap-09c9369e48568cd5a**, will be copied to a new snapshot. Set the new snapshot settings below:

Destination Region	<u>US East (N. Virginia)</u> ⓘ
Description	<u>[Copied snap-09c9369e48568cd5a from us-east-1] root snap</u> ⓘ
Encryption	<input type="checkbox"/> Encrypt this snapshot ⓘ

Cancel Copy

After create volume finish , go to actions and click **“Create Image”**

Create Image from EBS Snapshot

Name

EBS image

Description

Architecture

x86\_64

Virtualization type

Hardware-assisted virtualization

Root device name

/dev/sda1

Kernel ID

Use default

RAM disk ID

Use default

Block Device Mappings

Volume Type	Device	Snapshot	Size (GiB)	Volume Type	IOPS	Throughput (MB/s)	Delete on Termination	Encrypted
Root	/dev/sda1	snap-0e71c6f3b1dc77357	8	General Purpose	100 / 3000	N/A	<input checked="" type="checkbox"/>	Not Encrypted

Add New Volume

Cancel

Create

Then go to EC2 -> Images -> AMIs -> image will show as below -> click “Launch” then it will create a EC2 image -> keep default options and create a EC2 instance from this image

Launch

EC2 Image Builder

Actions

Owned by me

Filter by tags and attributes or search by keyword

	Name	AMI Name	AMI ID	Source
<input checked="" type="checkbox"/>	EBS image		ami-0090a9d7f3ba631fb	997368317604/...

Instances (1/2)

Info

Refresh

Actions

Connect

Launch instances

Filter instances

	Name	Instanc...	Instance state	I...	Status...	Alar...	Availability zone	Public IPv4 DNS
<input checked="" type="checkbox"/>	EBS-image_instance	i-0ea5b...	Running	t2...	Initi...	N... +	us-east-1b	ec2-3-86-253-142.co
<input type="checkbox"/>	EBS	i-06c5e...	Running	t2...	2/2...	N... +	us-east-1c	ec2-54-82-23-0.com