

## AWS Task-4

Launch an EC2 instance (Linux and Windows) along with a web server. Then, create an EBS volume of 5 GB, attach it to an EC2 machine (Linux and Windows), and take a snapshot. Finally, create an EBS volume using the taken snapshot.

1. Launch an EC2 instance (Linux and Windows) along with a web server.

- EC2 (Linux)
- EC2(Windows)

Instances (2) [Info](#)

Last updated  
1 minute ago

Connect

Instance state ▾

Actions ▾

Launch instances

Find Instance by attribute or tag (case-sensitive)

Running ▾

< 1 >

<input type="checkbox"/>	Name <div></div>	Instance ID	Instance state <div></div>	Instance type <div></div>	Status check	Alarm status	Availability Zone <div></div>	
<input type="checkbox"/>	Linux server	i-0dbcf988ad2bebcf8	<div><div></div>Running</div>	t2.micro	<div><div></div>Initializing</div>	<a href="#">View alarms</a> +	ap-southeast-1b	e
<input type="checkbox"/>	Window Server	i-0078e3da29be9b201	<div><div></div>Running</div>	t2.micro	<div><div></div>Initializing</div>	<a href="#">View alarms</a> +	ap-southeast-1b	e

2. create an EBS volume of 5 GB, attach it to an EC2 machine (Linux and Windows)

- 5GB EBS volume

Successfully created volume vol-0c8f5bd9ac0728ee9

Volumes (8)

Info

Q Search

Name

Volume ID

Type

Size

IOPS

Throughput

Snapshot ID

Created

Availability Zone

Volume state

Alarm status

-

vol-0c8f5bd9ac0728ee9

gp2

5 GiB

100

-

-

2024/11/11 16:23 GMT+8

ap-southeast-1b

Available

No alarms

-

vol-035f17eb233dc1b30

gp2

5 GiB

100

-

-

2024/11/11 16:20 GMT+8

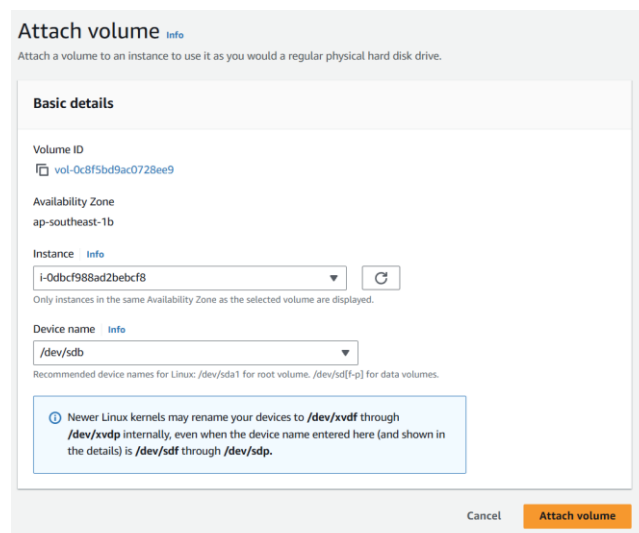
ap-southeast-1b

Available

No alarms

- Attached to EC2 machine (Linux and Windows)
- Action – Attached Volume

## Linux



**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-0c8f5bd9ac0728ee9

Availability Zone  
ap-southeast-1b

Instance  
i-0dbcf988ad2bebcf8

Device name  
/dev/sdb

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

Successfully initiated rebooting of i-0dbc98bad2bebcf8

Notifications 0 0 2 0 0 0

Instances (1/6) info

Find instance by attribute or tag (case-sensitive)

All states

Last updated less than a minute ago

Connect

Instance state

Actions

Launch instances

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...	Elastic IP	IPv6
<input type="checkbox"/>	Host	i-0bd5449fad746a0e1	Stopped	t2.micro	-	View alarms +	ap-southeast-1b	-	-	-	-
<input type="checkbox"/>	Ubuntu remote	i-0f482f8be6973b78d	Stopped	t2.micro	-	View alarms +	ap-southeast-1b	-	-	-	-
<input type="checkbox"/>	RHEL Remote	i-06a4d66e544935b6c	Stopped	t2.micro	-	View alarms +	ap-southeast-1b	-	-	-	-
<input type="checkbox"/>	server2	i-0eedff1df712837	Stopped	t2.micro	-	View alarms +	ap-southeast-1b	-	-	-	-
<input checked="" type="checkbox"/>	Linux server	i-0dbc98bad2bebcf8	Running	t2.micro	Initializing	View alarms +	ap-southeast-1b	ec2-18-142-57-204.ap...	18.142.57.204	-	-
<input type="checkbox"/>	Window Server	i-0078e3da29be9b201	Running	t2.micro	Initializing	View alarms +	ap-southeast-1b	ec2-18-138-250-176.ap...	18.138.250.176	-	-

i-0dbc98bad2bebcf8 (Linux server)

Details | Status and alarms | Monitoring | Security | Networking | Storage | Tags

▼ Root device details

Root device name  
/dev/sda1

Root device type  
EBS

EBS optimization  
disabled

▼ Block devices

Filter block devices

Volume ID	Device name	Volume size (GiB)	Attachment status	Attachment time	Encrypted	KMS key ID	Delete on termination
<input checked="" type="checkbox"/> vol-01c5ef52bdf85ecdb	/dev/sda1	10	Attached	2024/11/07 16:48 GMT+8	No	-	Yes
<input type="checkbox"/> vol-0c8ff8b9a0722bee9	/dev/sdb	5	Attached	2024/11/11 16:26 GMT+8	No	-	No

Window

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-035f17eb233dc1b30

Availability Zone  
ap-southeast-1b

Instance info  
i-0078e3da29be9b201

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

Device name info  
xvdc

Recommended device names for Windows: /dev/sda1 for root volume, xvdf-[p] for data volumes.

Cancel

Attach volume

Instances (1/6) info

Find instance by attribute or tag (case-sensitive)

All states

Last updated less than a minute ago

Connect

Instance state

Actions

Launch instances

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...	Elastic IP	IPv6
<input type="checkbox"/>	Host	i-0bd5449fad746a0e1	Stopped	t2.micro	-	View alarms +	ap-southeast-1b	-	-	-	-
<input type="checkbox"/>	Ubuntu remote	i-0f482f8be6973b78d	Stopped	t2.micro	-	View alarms +	ap-southeast-1b	-	-	-	-
<input type="checkbox"/>	RHEL Remote	i-06a4d66e544935b6c	Stopped	t2.micro	-	View alarms +	ap-southeast-1b	-	-	-	-
<input type="checkbox"/>	server2	i-0eedff1df712837	Stopped	t2.micro	-	View alarms +	ap-southeast-1b	-	-	-	-
<input type="checkbox"/>	Linux server	i-0dbc98bad2bebcf8	Running	t2.micro	Initializing	View alarms +	ap-southeast-1b	ec2-18-142-57-204.ap...	18.142.57.204	-	-
<input checked="" type="checkbox"/>	Window Server	i-0078e3da29be9b201	Running	t2.micro	Initializing	View alarms +	ap-southeast-1b	ec2-18-138-250-176.ap...	18.138.250.176	-	-

i-0078e3da29be9b201 (Window Server)

Details | Status and alarms | Monitoring | Security | Networking | Storage | Tags

▼ Root device details

Root device name  
/dev/sda1

Root device type  
EBS

EBS optimization  
disabled

▼ Block devices

Filter block devices

Volume ID	Device name	Volume size (GiB)	Attachment status	Attachment time	Encrypted	KMS key ID	Delete on termination
<input checked="" type="checkbox"/> vol-061c92151a4a924cc	/dev/sda1	30	Attached	2024/11/11 15:19 GMT+8	No	-	Yes
<input type="checkbox"/> vol-035f17eb233dc1b30	xvdc	5	Attached	2024/11/11 16:30 GMT+8	No	-	No

### 3. take a snapshot.


- Volume – create SnapShot

EC2 > Volumes > vol-01c5ef62bdf65ecdb > Create snapshot

## Create snapshot [Info](#)



Create a point-in-time snapshot to back up the data on an Amazon EBS volume to Amazon S3.

**Source volume**

Volume ID  vol-01c5ef62bdf65ecdb	Availability Zone ap-southeast-1b
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**Snapshot details**

**Description**  
Add a description for your snapshot  
  
255 characters maximum.

Snapshots (2) <a href="#">Info</a>									 Recycle Bin	Actions ▾	Create snapshot
Owned by me ▾		<input type="text" value="Search"/>						< 1 > ⚙			
<input type="checkbox"/>	Name ▾	Snapshot ID ▾	Volume size ▾	Description ▾	Storage tier ▾	Snapshot status ▾	Started				
<input type="checkbox"/>	-	snap-0c381df33ab4ede55	5 GiB	EBS-Window-SnapShot	Standard	⌚ Pending	2024/11/11 18:55 GMT+8				
<input type="checkbox"/>	-	snap-05f21624ebd0fd6a3	5 GiB	EBS-Linux-SnapShot	Standard	✅ Completed	2024/11/11 18:54 GMT+8				

### 4. create an EBS volume using the taken snapshot.

- Action – create volume from snapshot.

Volumes (10) <a href="#">Info</a>												Actions ▾	Create volume
<input type="text" value="Search"/>											< 1 > ⚙		
<input type="checkbox"/>	Name ▾	Volume ID ▾	Type ▾	Size ▾	IOPS ▾	Throughput ▾	Snapshot ID ▾	Created ▾	Availability Zone ▲	Volume state ▾	Alarm status		
<input type="checkbox"/>	-	vol-06ca3dbc952347f4f	gp2	5 GiB	100	-	snap-0c381df33ab4ede55	2024/11/11 19:09 GMT+8	ap-southeast-1a	🟢 Available	No alarms	+	
<input type="checkbox"/>	-	vol-032d7f8ff46bb3c29	gp2	5 GiB	100	-	snap-05f21624ebd0fd6a3	2024/11/11 19:09 GMT+8	ap-southeast-1a	🟢 Available	No alarms	+	