

Task Description:

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.

Creating EC2 Instance:

The screenshot shows the AWS Management Console interface for the 'Instances' page. The top navigation bar includes the AWS logo, a search bar, and the user's profile. The left sidebar contains a navigation menu with categories like 'Instances', 'Images', 'Elastic Block Store', and 'Network & Security'. The main content area displays a table of EC2 instances. Two instances are listed: 'EC2 - Win' (Instance ID: i-098e3d45848d5178) and 'EC2 - Linux' (Instance ID: i-061d1864202d1fad4). Both instances are in a 'Running' state. Below the table, there is a section titled 'Select an instance'.

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4
EC2 - Win	i-098e3d45848d5178	Running	t3.nano	Initializing	View alarms +	us-east-1a	ec2-44-204
EC2 - Linux	i-061d1864202d1fad4	Running	t2.micro	2/2 checks passed	View alarms +	us-east-1b	ec2-34-227

Creating EBS Volume:

The screenshot shows the AWS Management Console interface for the 'Volumes' page. The top navigation bar is consistent with the previous screenshot. The left sidebar shows the 'Elastic Block Store' section selected. The main content area displays a table of EBS volumes. Three volumes are listed: 'vol-0de46818bdc68a7ac' (8 GiB), 'vol-0dd8cb35fddb1773d' (30 GiB), and 'vol-014992564563e19c3' (5 GiB). The 'vol-014992564563e19c3' volume is highlighted. Below the table, there is a section titled 'Fault tolerance for all volumes in this Region'. At the bottom, a 'Snapshot summary' section shows '0/2' volumes backed up.

Name	Volume ID	Type	Size	IOPS	Throughput	Snapshot ID	Created
-	vol-0de46818bdc68a7ac	gp3	8 GiB	3000	125	snap-01818e2...	2025/01/08 15:45 GMT+5:...
-	vol-0dd8cb35fddb1773d	gp3	30 GiB	3000	125	snap-0c48c8a...	2025/01/08 15:47 GMT+5:...
-	vol-014992564563e19c3	gp3	5 GiB	3000	125	-	2025/01/08 15:51 GMT+5:...

Snapshot summary
Recently backed up volumes / Total # volumes
0 / 2

Last updated on Wed, Jan 08, 2025, 03:49:50 PM (GMT+05:30)
Data Lifecycle Manager default policy for EBS Snapshots status
No default policy set up | [Create policy](#)

Attaching Volume to EC2 Instance:

vol-014992564563e19c3

Volume ID
vol-014992564563e19c3

Size
5 GiB

Type
gp3

IOPS
3000

Volume state
Available

Availability Zone
us-east-1a

Created
Wed Jan 08 2025 15:51:05 GMT+0530 (India Standard Time)

Managed
false

Fast snapshot restored
No

Attached resources
-

Outposts ARN
-

Source
Snapshot ID: -

Encryption
Encryption: Not encrypted
KMS key ID: -
KMS key alias: -
KMS key ARN: -

Actions
Create snapshot
Attach volume
Detach volume
Force detach volume
Manage auto-enabled I/O
Multi-Attach enabled
Operator

Instances (1/2)

Find Instance by attribute or tag (case-sensitive)

Instance state = running

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4
EC2 - Win	i-098e3d458484d5178	Running	t3.nano	3/3 checks passed	View alarms +	us-east-1a	ec2-44-204
EC2 - Linux	i-061d1864202d1fad4	Running	t2.micro	2/2 checks passed	View alarms +	us-east-1b	ec2-34-227

i-098e3d458484d5178 (EC2 - Win)

Filter block devices

Volume ID	Device name	Volume size (GiB)	Attachment status	Attachment time	Encrypted	KMS key ID
vol-0dd8cb35fddb1773d	/dev/sda1	30	Attached	2025/01/08 15:47 GMT+5:30	No	-
vol-014992564563e19c3	xvdb	5	Attached	2025/01/08 15:55 GMT+5:30	No	-

Volume monitoring (1)

Instances (1/2)

Find Instance by attribute or tag (case-sensitive)

Instance state = running

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IP
EC2 - Linux	i-024085379ee55311b	Running	t2.micro	Initializing	View alarms +	us-east-1a	ec2-3-86
EC2 - Win	i-098e3d458484d5178	Running	t3.nano	3/3 checks passed	View alarms +	us-east-1a	ec2-44-2

i-024085379ee55311b (EC2 - Linux)

Filter block devices

Volume ID	Device name	Volume size (GiB)	Attachment status	Attachment time	Encrypted	KMS key
vol-01c4ac09ec8e66eb7	/dev/xvda	8	Attached	2025/01/08 15:58 GMT+5:30	No	-
vol-014992564563e19c3	/dev/sdb	5	Attached	2025/01/08 15:59 GMT+5:30	No	-

Volume monitoring (1)

Creating Snapshot:

Successfully created snapshot `snap-08540f52b5908c039`.

Snapshots (1) [Info](#)

Owned by me

<input type="checkbox"/>	Name	Snapshot ID	Volume size	Description	Storage tier	Snapshot status	Started
<input type="checkbox"/>	-	<code>snap-08540f52b5908c039</code>	5 GiB	5 GB of volume	Standard	Pending	2025/01/08 16:04 GMT+

Select a snapshot above.

Creating EBS volume using Snapshot:

IOPS [Info](#)
3000
Min: 3000 IOPS, Max: 16000 IOPS.

Throughput (MiB/s) [Info](#)
125
Min: 125 MiB, Max: 1000 MiB, Baseline: 125 MiB/s.

Availability Zone [Info](#)
us-east-1a

Snapshot ID - optional [Info](#)
snap-08540f52b5908c039

Fast snapshot restore [Info](#)
Not enabled for selected 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.

aws

Search

[Alt+S]

United States (N. Virginia)

sureshkrishnan2214

EC2

Volumes

vol-092b9478cea83c5b9

Instances

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Capacity Reservations

Images

AMIs

AMI Catalog

Elastic Block Store

Volumes

Snapshots

Lifecycle Manager

Network & Security

Security Groups

Elastic IPs

Placement Groups

vol-092b9478cea83c5b9

Actions

Delete

Modify

Volume ID

vol-092b9478cea83c5b9

AWS Compute Optimizer finding

Opt-in to AWS Compute Optimizer for recommendations. | Learn more

Fast snapshot restored

No

Attached resources

-

Source

Snapshot ID

snap-08540f52b5908c039

Encryption

Not encrypted

Size

5 GiB

Volume state

Available

Availability Zone

us-east-1a

Outposts ARN

-

Type

gp3

IOPS

3000

Created

Wed Jan 08 2025 16:10:26 GMT+0530 (India Standard Time)

Managed

false

Volume status

Okay

Throughput

125

Multi-Attach enabled

No

Operator

-

Status checks

Monitoring

Tags

Volume status

Availability Zone