

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.

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

<input type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
<input type="checkbox"/>	windows	i-08485679960234e9f	Running	t2.micro	2/2 checks passed	View alarms	ap-southeast-2a
<input type="checkbox"/>	linux	i-0b124885338ba5fbd	Running	t2.micro	2/2 checks passed	View alarms	ap-southeast-2a

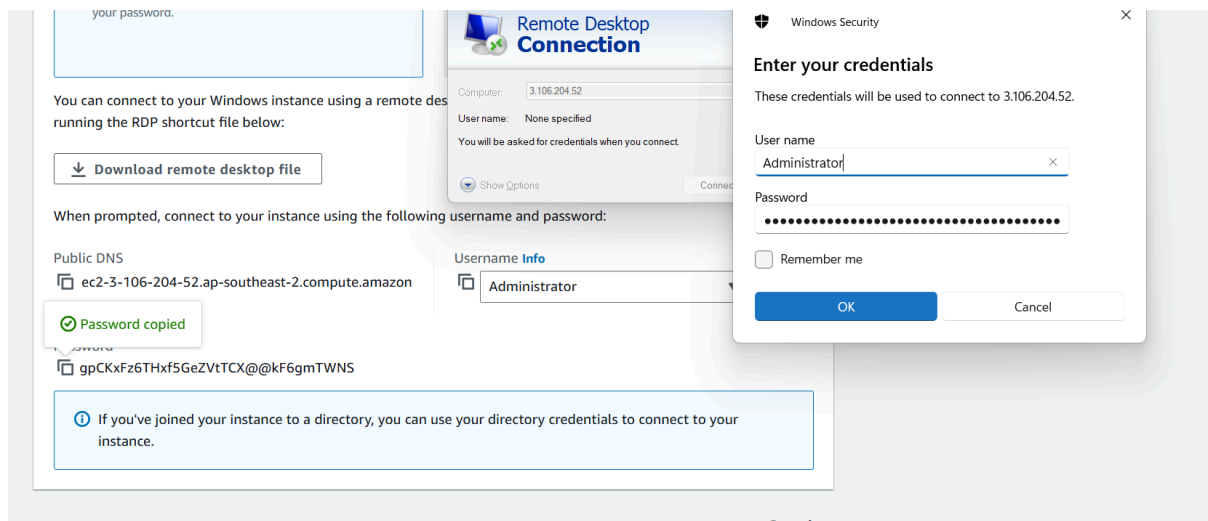
Linux webserver installation

```
[root@ip-172-31-33-209 ec2-user]# nginx --version
nginx: invalid option: "-"
[root@ip-172-31-33-209 ec2-user]# nginx --v
nginx: invalid option: "-"
[root@ip-172-31-33-209 ec2-user]# nginx -v
nginx version: nginx/1.24.0
[root@ip-172-31-33-209 ec2-user]#
```

i-0b124885338ba5fbd (linux)

PublicIPs: 13.236.148.208 PrivateIPs: 172.31.33.209

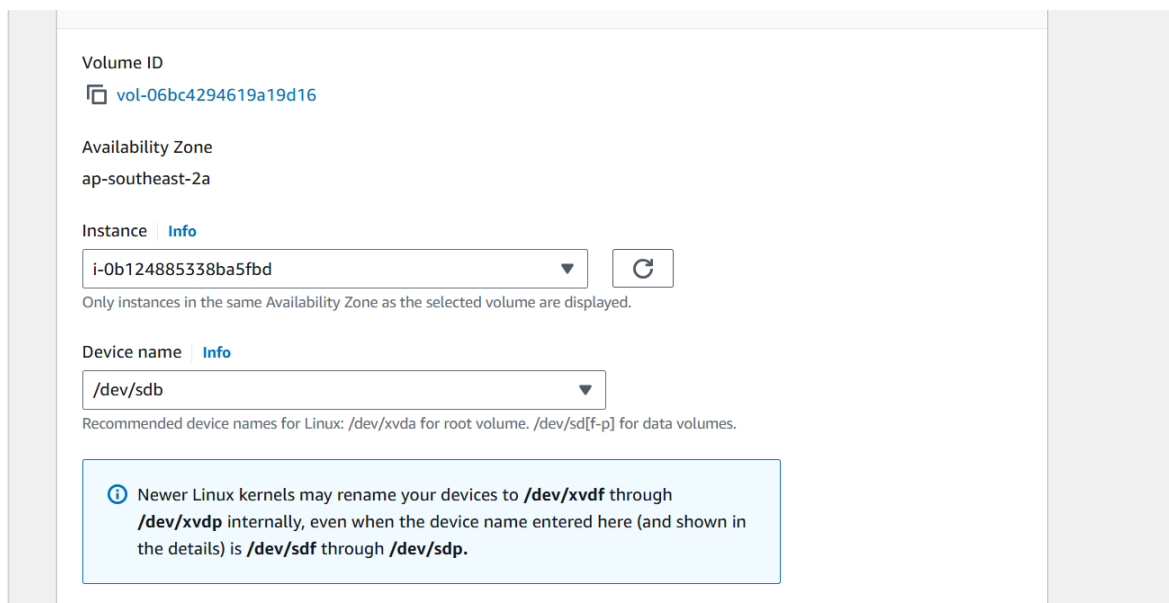
Windows webserver installation



STEP 2 - create an EBS volume of 5 GB, attach it to an EC2 machine (Linux and Window), and take a snapshots

2.1 create an EBS volume of 5 GB

Volumes > create volume > mentions ebs storage > then create



Basic details

Volume ID

 [vol-016d292e85e46156b](#)

Availability Zone

ap-southeast-2a

Instance [Info](#)



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

Device name [Info](#)

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

Volumes (1 / 11)										
<input type="text" value="Search"/>										
<input type="checkbox"/>	Name ▾	Volume ID ▾	Type ▾	Size ▾	IOPS ▾	Throughput ▾	Snapshot ID ▾	Created		
<input type="checkbox"/>	-	vol-0cf1fa637902f275a	gp2	30 GiB	100	-	snap-097bed1...	2024/11,		
<input type="checkbox"/>	-	vol-016d292e85e46156b	gp3	5 GiB	3000	125	-	2024/11,		
<input type="checkbox"/>	-	vol-00f061f6ee619b839	gp3	8 GiB	3000	125	snap-033ae9f...	2024/11,		
<input type="checkbox"/>	-	vol-06bc4294619a19d16	gp3	5 GiB	3000	125	-	2024/11,		

2.2 Volume attach to linux

Volumes > select the volume to attach > actions > attach volume > mention the instance and create device name > create

DetailsStatus and alarmsMonitoringSecurityNetworkingStorageTags

▼ Root device details

Root device name

/dev/xvda

Root device type

EBS

EBS optimization

disabled

▼ Block devices

Q Filter block devices

	Volume ID	Device name	Volume size (GiB)	Attachment status	Attachment time
<input checked="" type="checkbox"/>	vol-00f061f6ee619b839	/dev/xvda	8	✔ Attached	2024/11/02 22:34 GMT+5:30
<input type="checkbox"/>	vol-06bc4294619a19d16	/dev/sdb	5	✔ Attached	2024/11/02 22:40 GMT+5:30

Volume monitoring (1)

2.3 Volume Attach to windows

Volumes > select the volume to attach > actions > attach volume > mention the instance and create device name > create

DetailsStatus and alarmsMonitoringSecurityNetworkingStorageTags

▼ Root device details

Root device name

/dev/sda1

Root device type

EBS

EBS optimization

disabled

▼ Block devices

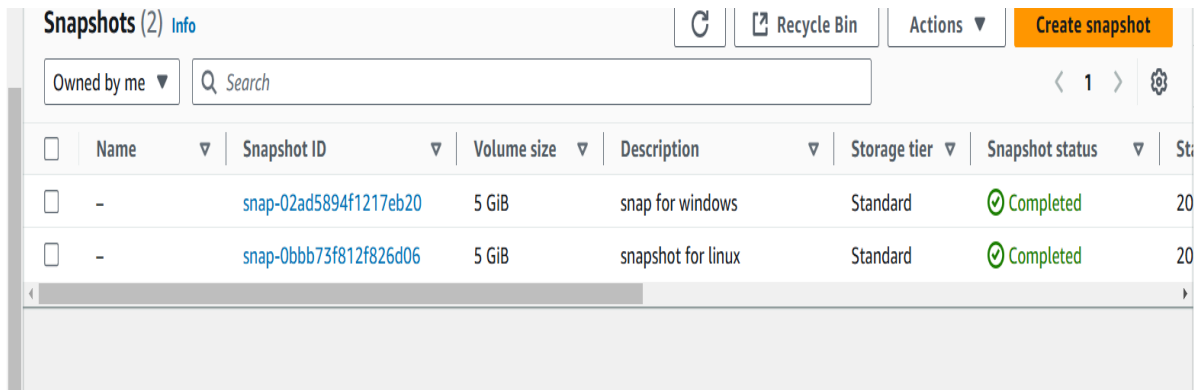
Q Filter block devices

	Volume ID	Device name	Volume size (GiB)	Attachment status	Attachment time	Encr
<input checked="" type="checkbox"/>	vol-0cf1fa637902f275a	/dev/sda1	30	✔ Attached	2024/11/02 22:41 GMT+5:30	No
<input type="checkbox"/>	vol-016d292e85e46156b	xvdb	5	✔ Attached	2024/11/02 22:44 GMT+5:30	No

Volume monitoring (1)

2.4 Snapshots

Volumes > select the volume to take snapshot > actions > create snapshot

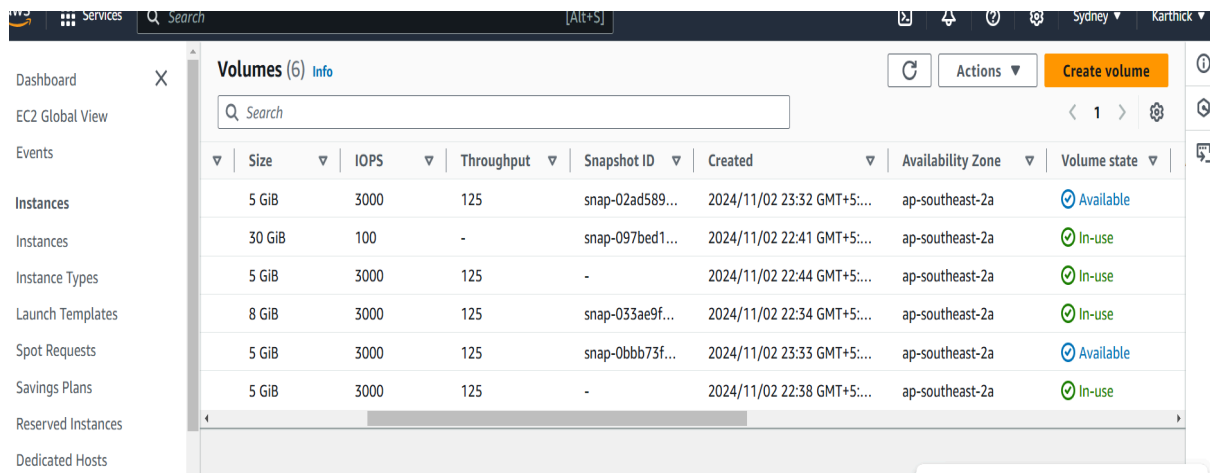


The screenshot shows the AWS Snapshots console. At the top, there's a header with 'Snapshots (2)' and an 'Info' link. To the right are buttons for 'Recycle Bin' and 'Actions', and a prominent orange 'Create snapshot' button. Below the header is a search bar with the placeholder 'Search' and a filter dropdown set to 'Owned by me'. The main area contains a table with the following columns: Name, Snapshot ID, Volume size, Description, Storage tier, Snapshot status, and a partially visible 'Storage' column. Two snapshots are listed:

Name	Snapshot ID	Volume size	Description	Storage tier	Snapshot status	Storage
-	snap-02ad5894f1217eb20	5 GiB	snap for windows	Standard	Completed	20
-	snap-0bbb73f812f826d06	5 GiB	snapshot for linux	Standard	Completed	20

STEP 3 - Finally, create an EBS volume using the taken snapshot.

snapshot > select the snapshot to create volume > actions > create volume



The screenshot shows the AWS Volumes console. On the left is a navigation sidebar with links to Dashboard, EC2 Global View, Events, Instances, Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, and Dedicated Hosts. The main panel is titled 'Volumes (6)' with an 'Info' link. It features a search bar, a 'Recycle Bin' button, an 'Actions' dropdown, and an orange 'Create volume' button. The table below lists six volumes with columns for Size, IOPS, Throughput, Snapshot ID, Created, Availability Zone, and Volume state.

Size	IOPS	Throughput	Snapshot ID	Created	Availability Zone	Volume state
5 GiB	3000	125	snap-02ad589...	2024/11/02 23:32 GMT+5:...	ap-southeast-2a	Available
30 GiB	100	-	snap-097bed1...	2024/11/02 22:41 GMT+5:...	ap-southeast-2a	In-use
5 GiB	3000	125	-	2024/11/02 22:44 GMT+5:...	ap-southeast-2a	In-use
8 GiB	3000	125	snap-033ae9f...	2024/11/02 22:34 GMT+5:...	ap-southeast-2a	In-use
5 GiB	3000	125	snap-0bbb73f...	2024/11/02 23:33 GMT+5:...	ap-southeast-2a	Available
5 GiB	3000	125	-	2024/11/02 22:38 GMT+5:...	ap-southeast-2a	In-use