

AWS Task-4

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.

> **Step 1:** Create two EC2 instances one with Windows and other with Linux.

The screenshot shows the AWS Management Console interface for the EC2 service. The left-hand navigation pane is expanded, showing categories like EC2, Security Groups, and Elastic Block Store. The main content area displays the 'Instances (4)' page. A table lists the following instances:

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 D
windows-server	i-02318178cf8ec6092	Running	t2.micro	Initializing	View alarms +	ap-south-1b	ec2-13-233-1
linux-server	i-0b8a0abd550bbbd0	Running	t2.micro	Initializing	View alarms +	ap-south-1b	ec2-3-110-46

Below the table, there is a section titled 'Select an instance' with a search bar and a dropdown menu.

> **Step 2:** Create and attach 5 GB EBS volume of each.

The screenshot shows the 'Create volume' page in the AWS Management Console. The page title is 'Create volume' and it includes a sub-header 'Create an Amazon EBS volume to attach to any EC2 instance in the same Availability Zone.' The 'Volume settings' section is expanded, showing the following configuration:

- Volume type:** General Purpose SSD (gp3)
- Size (GiB):** 5 (Min: 1 GiB, Max: 16384 GiB)
- IOPS:** 3000 (Min: 3000 IOPS, Max: 16000 IOPS)
- Throughput (MiB/s):** 125 (Min: 125 MiB, Max: 1000 MiB, Baseline: 125 MiB/s)
- Availability Zone:** ap-south-1a
- Snapshot ID - optional:** Don't create volume from a snapshot

> **Step 3:** Verify within two instances that the disk space is mentioned.

```
See https://ubuntu.com/esm or run: sudo pro status

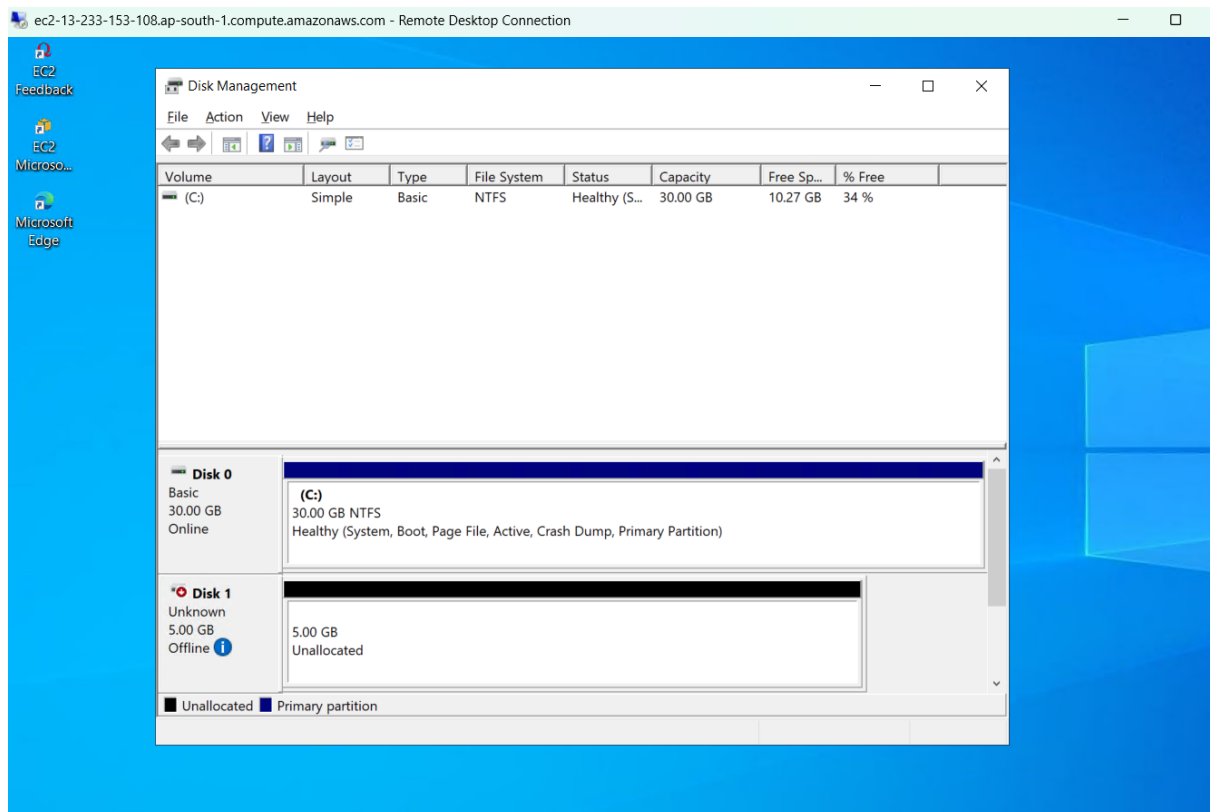
Last login: Mon Jun 23 09:23:38 2025 from 13.233.177.3
ubuntu@ip-172-31-10-82:~$ sudo mkfs -t ext4 /dev/xvdf
mkfs2fs 1.47.0 (5-Feb-2023)
Creating filesystem with 1310720 4k blocks and 327680 inodes
Filesystem UUID: c06c3a24-383a-4918-b03e-9291e3c39584
Superblock backups stored on blocks:
    32768, 98304, 163840, 229376, 294912, 819200, 884736

Allocating group tables: done
Writing inode tables: done
Creating journal (16384 blocks): done
Writing superblocks and filesystem accounting information: done

ubuntu@ip-172-31-10-82:~$ sudo mkdir /mnt/ebs
ubuntu@ip-172-31-10-82:~$ sudo mount /dev/xvdf /mnt/ebs
ubuntu@ip-172-31-10-82:~$ df -h
Filesystem      Size  Used Avail Use% Mounted on
/dev/root        6.8G  2.0G  4.8G   29% /
tmpfs            479M   0  479M   0% /dev/shm
tmpfs           192M 884K  191M   1% /run
tmpfs            5.0M   0   5.0M   0% /run/lock
/dev/xvda16     881M   86M  734M  11% /boot
/dev/xvda15     105M  6.2M   99M   6% /boot/efi
tmpfs            96M   12K   96M   1% /run/user/1000
/dev/xvdf        4.9G   24K   4.6G   1% /mnt/ebs
ubuntu@ip-172-31-10-82:~$
```

i-0b8a0abd550bbbd0 (linux-server)

PublicIPs: 3.110.46.16 PrivateIPs: 172.31.10.82



> **Step 4:** Creating new volumes using those snapshots

- EC2
- Dashboard
- EC2 Global View
- Events
- ▼ Instances
 - Instances
 - Instance Types
 - Launch Templates
 - Spot Requests
 - Savings Plans
 - Reserved Instances
 - Dedicated Hosts
 - Capacity Reservations
- ▼ Images
 - AMIs
 - AMI Catalog
- Elastic Block Store
- ▼ Network & Security
 - Security Groups
 - Elastic IPs

Successfully created volume vol-0c3891103996597d2.

Snapshots (2) Info

Owned by me Search

	Name	Snapshot ID	Full snapshot size	Volume size	Description	Storage tier	Snapshot status
<input type="checkbox"/>		linux-snapshot	152 MiB	5 GiB	Linux-snapshot	Standard	Completed
<input type="checkbox"/>		windows-snapshot	0 B	5 GiB	windows-snapshot	Standard	Completed

Select a snapshot above.