**AWS Task-4**

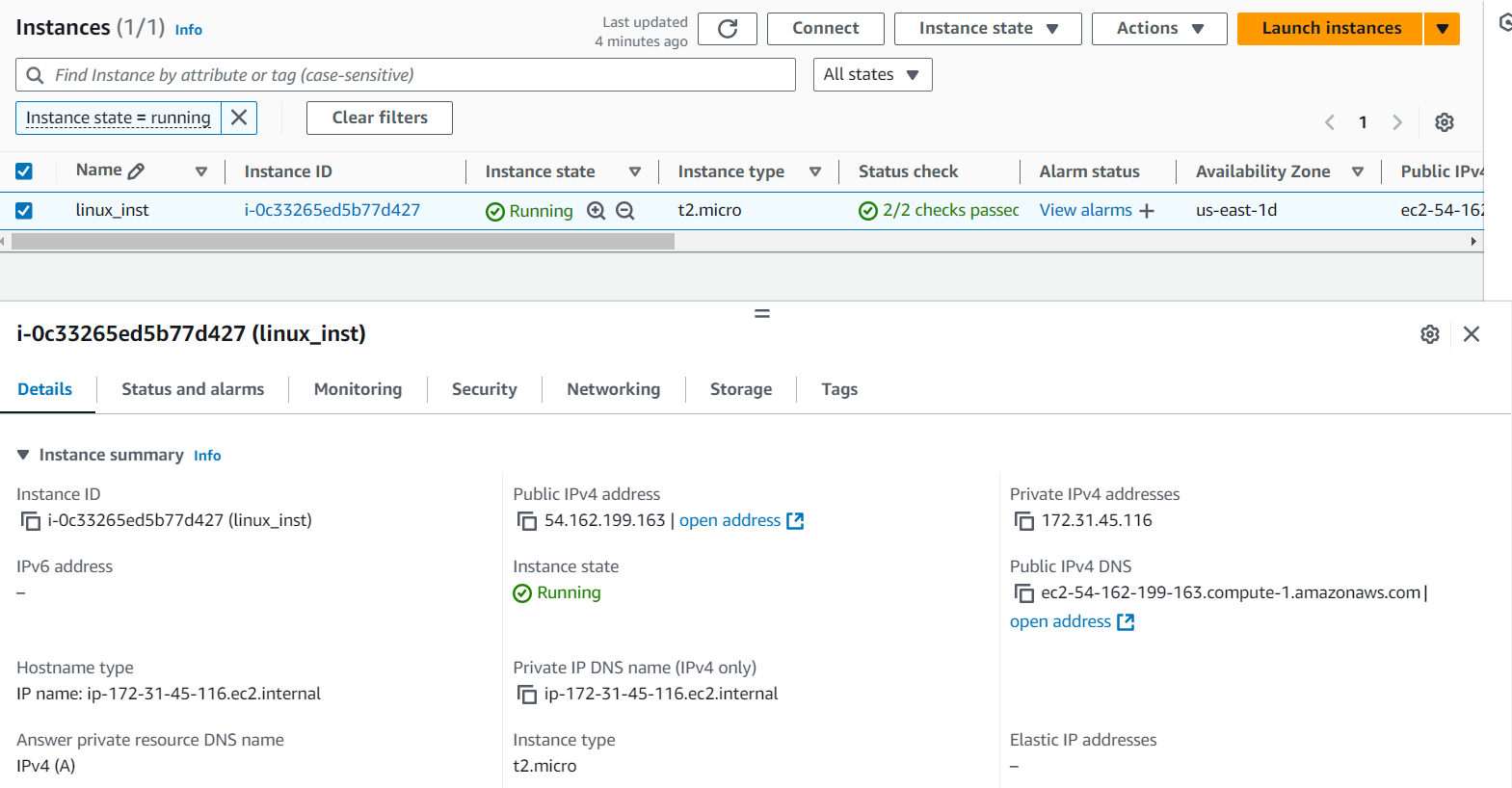
**Task Description:**

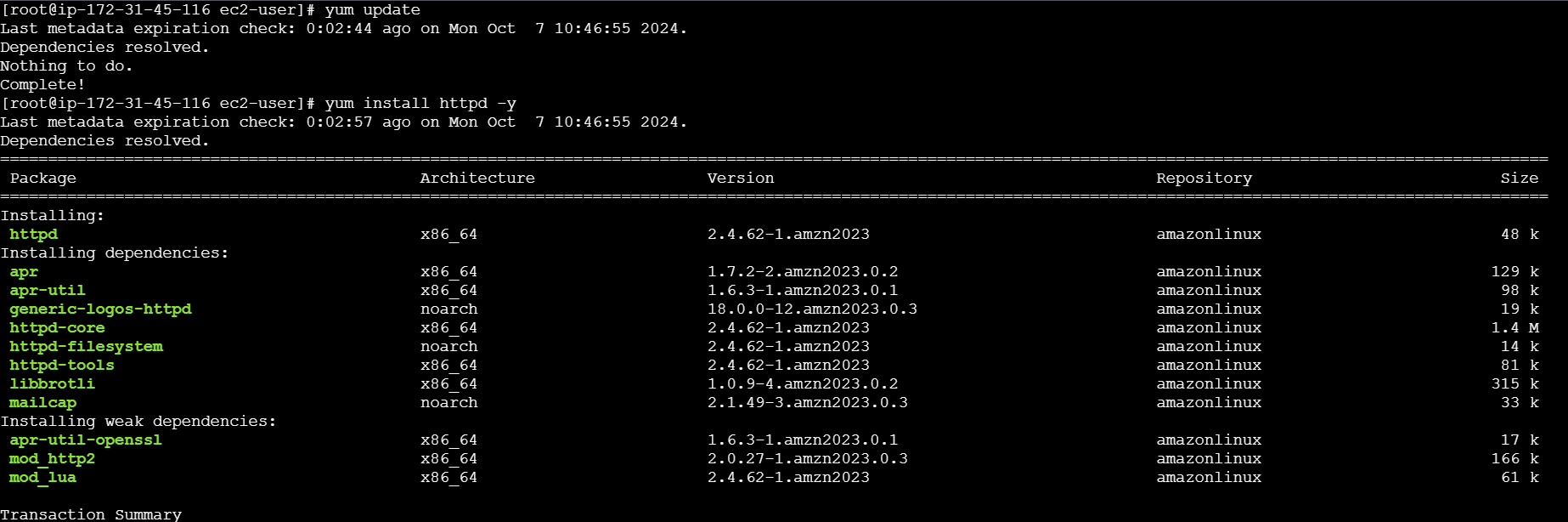
Launch an EC2 instance (Linux and Windows) along with a web server. Then, create an EBS volume of 5 GB, attach it to an EC2 machine (Linux and Windows), and take a snapshot. Finally, create an EBS volume using the taken snapshot.

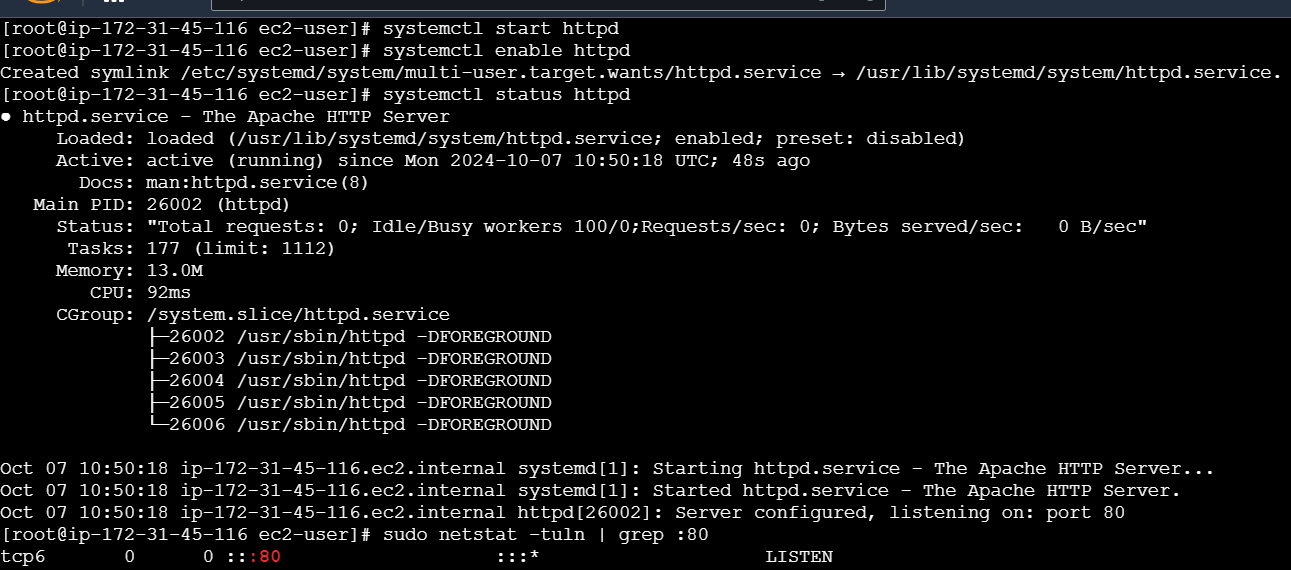
**Step 1 – Install Linux instance with web server:**

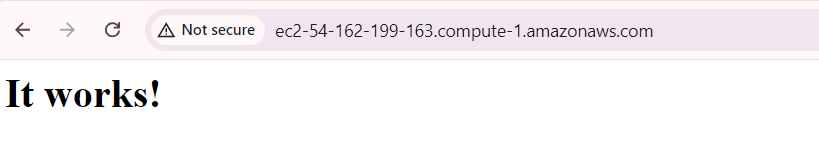
* Launch instance (Name – linux\_inst)
* Install httpd web server
* yum update
* yum install httpd -y
* systemctl start httpd
* systemctl enable httpd
* systemctl status httpd

**Output:**





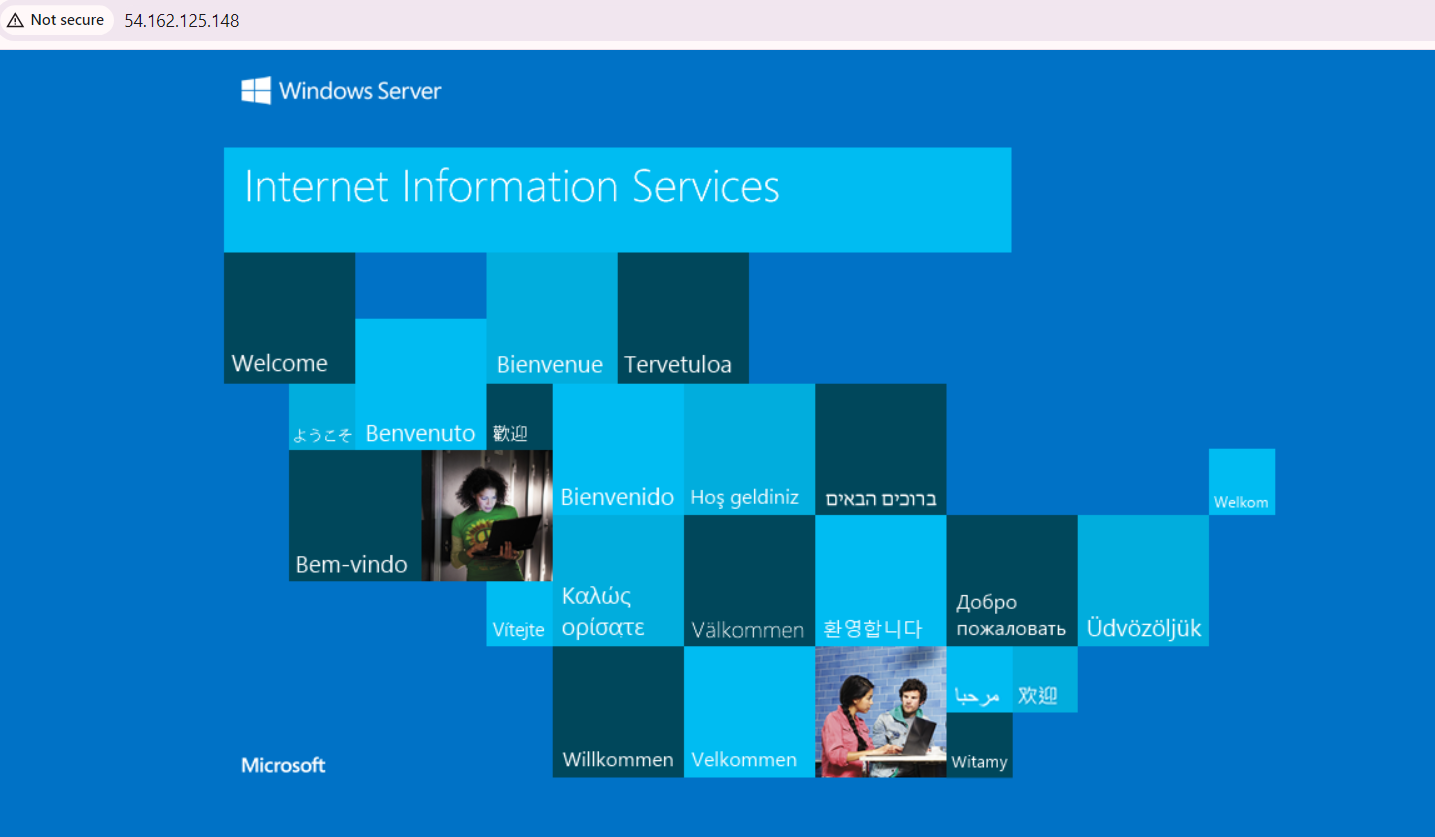




**Step 2 – Install windows instance with web server:**

* Select windows os and launch instance.
* Login windows instance using RDP client
* Open server manager
* Add Roles and Features
* In features select web server (IIS) role and install
* Open a browser and access the public ip - http://54.162.125.148/

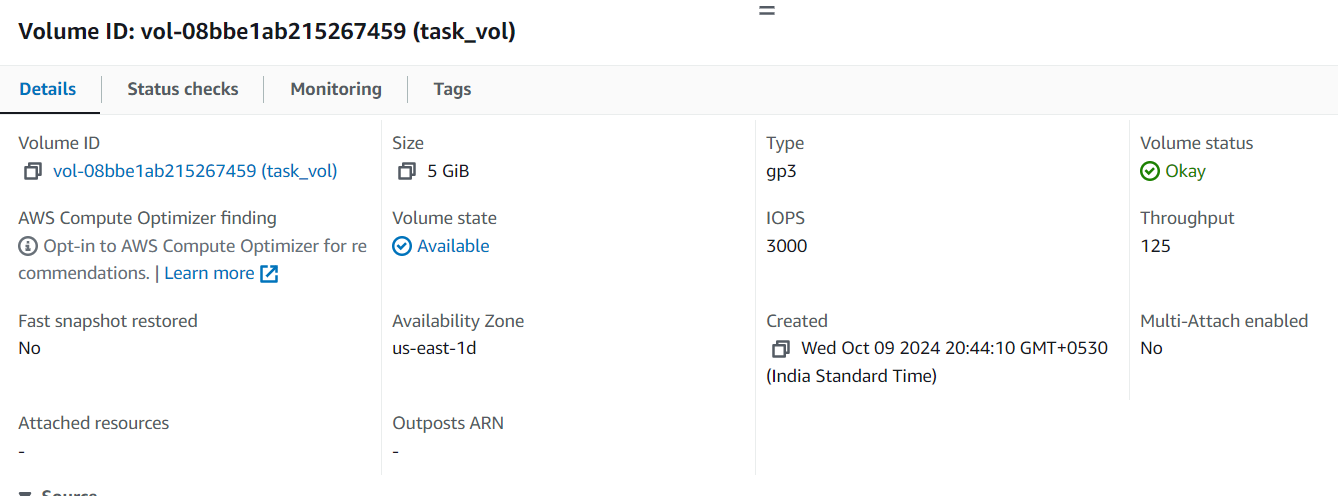


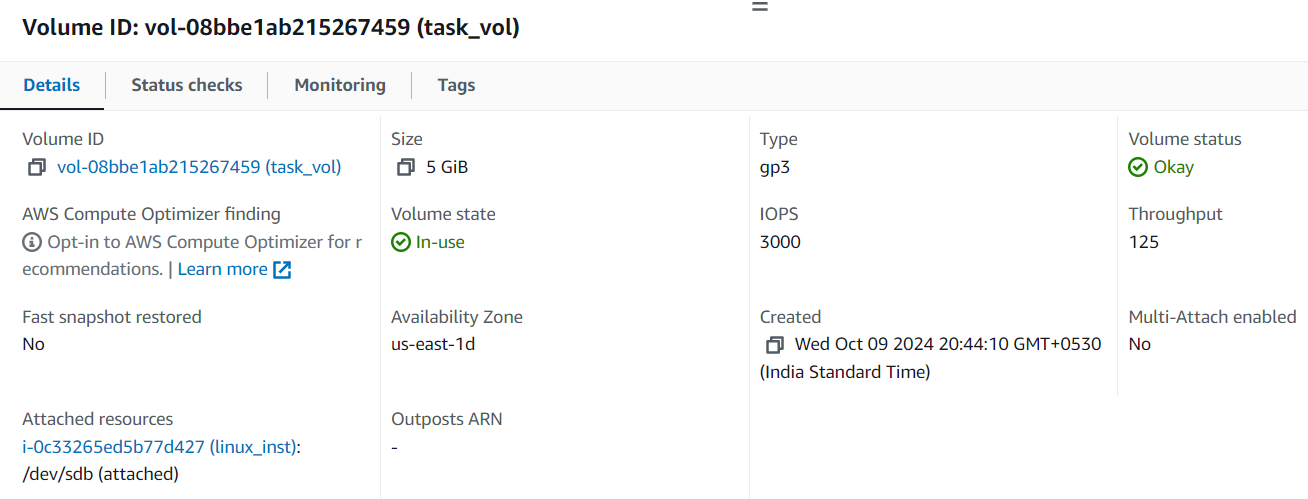


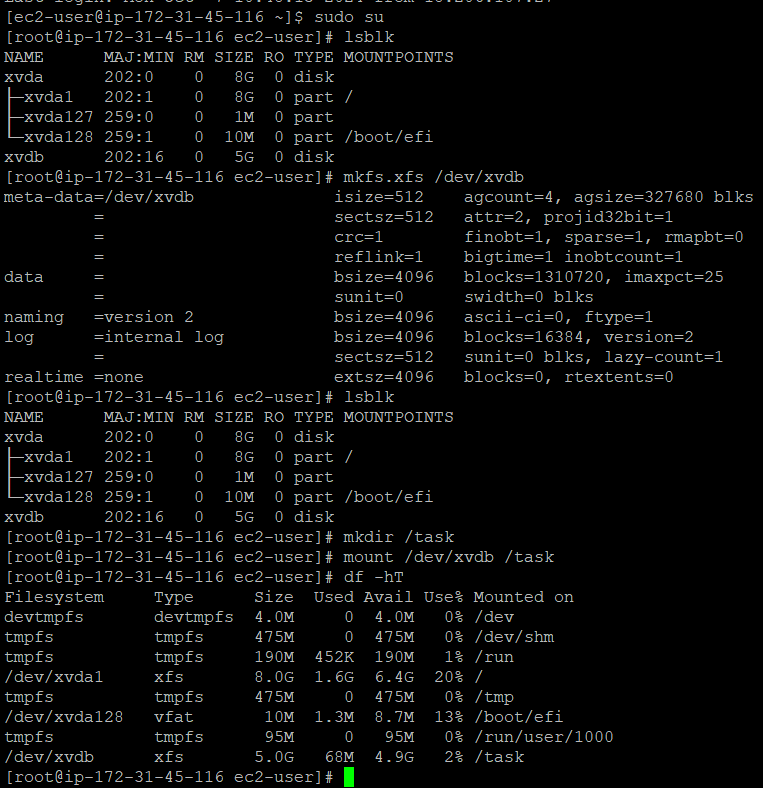
**Step 3 – Create EBS Volume & attach it to Linux instance:**

* Volume type – General purpose SSD (gp3)
* Size – 5 GB
* Name – task\_vol
* Create volume
* Go to Volume actions
* Select instance – linux\_inst
* Device name - /dev/sdb
* Attach volume
* Launch instance
* Scan disks – **lsblk**
* Make file system – **mkfs.xfs /dev/xvdb**
* Creating directory – **mkdir /task**
* Mount the volume – **mount /dev/xvdb /task**
* List the info about the mounted filesystems – **df -hT**

**Output:**



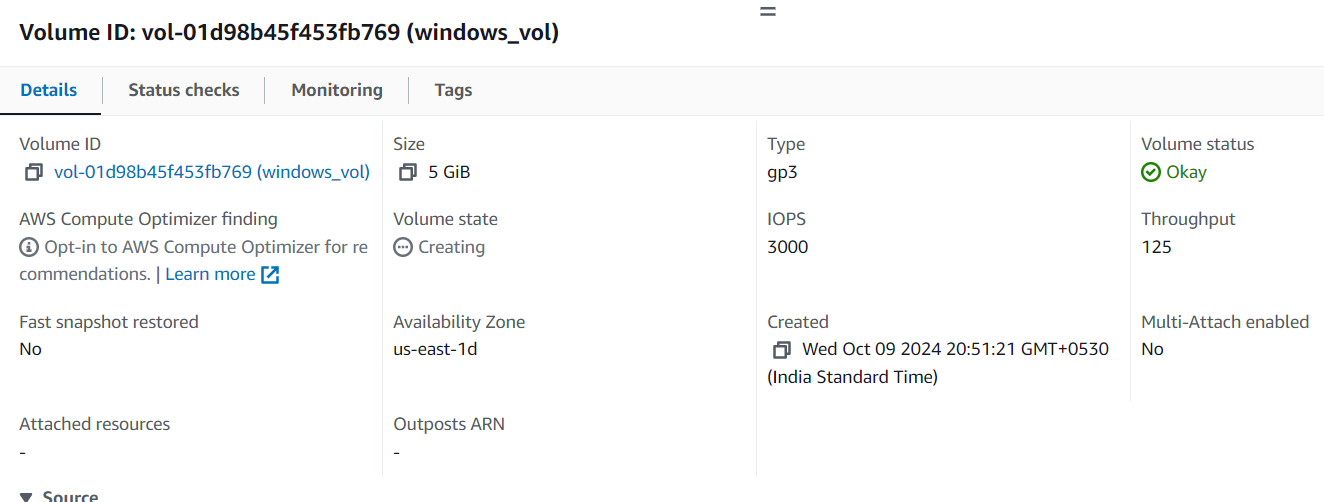


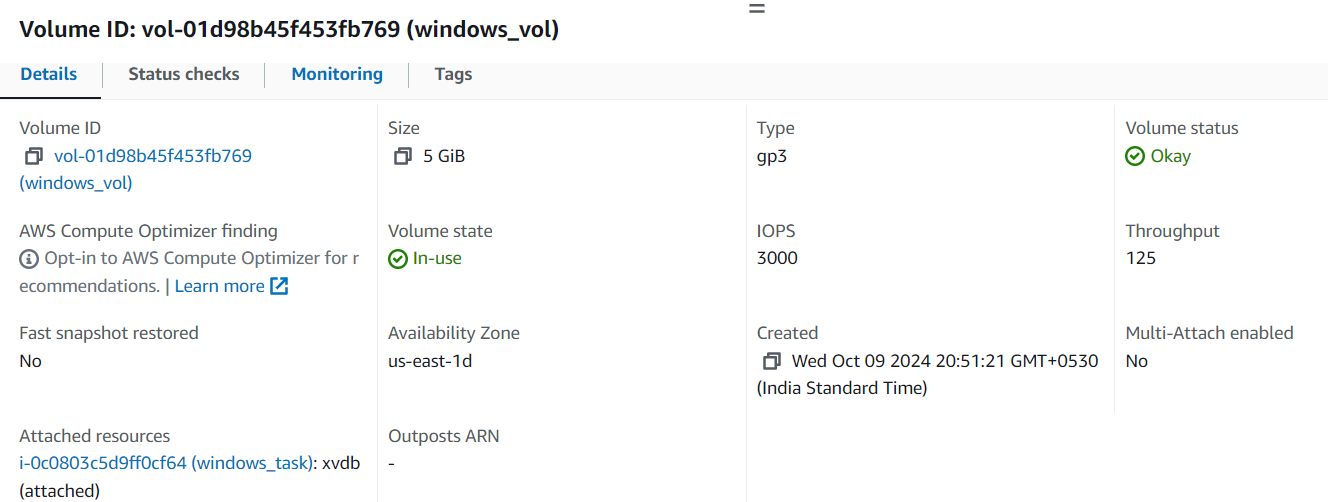


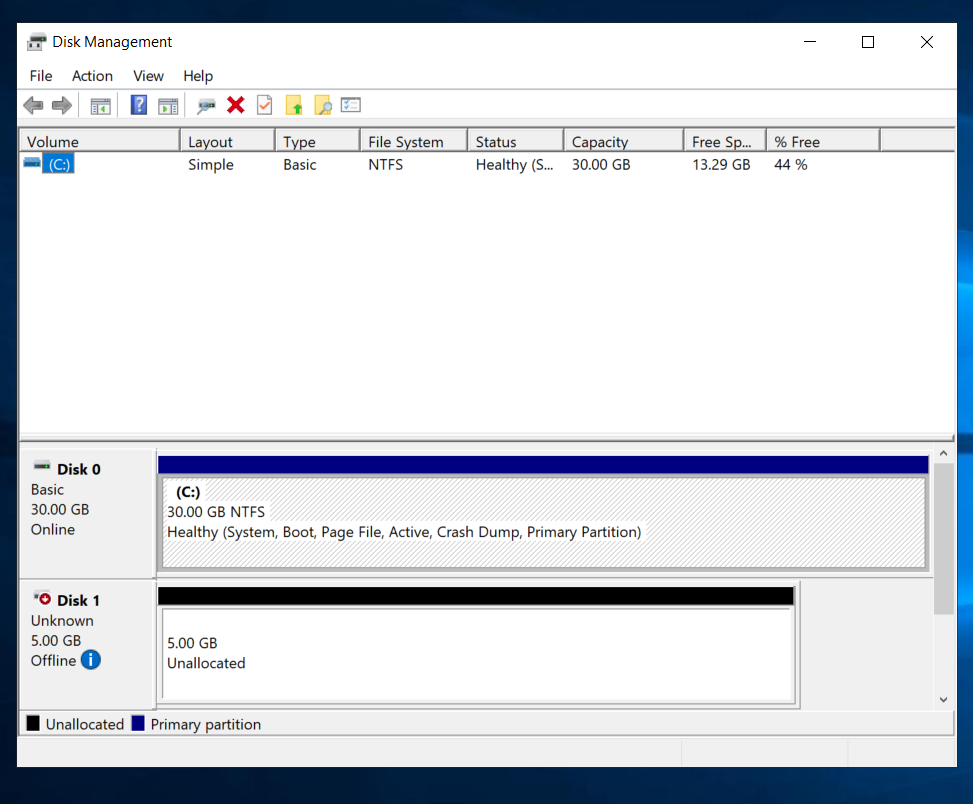
**Step 4 – Create EBS Volume & attach it to windows instance:**

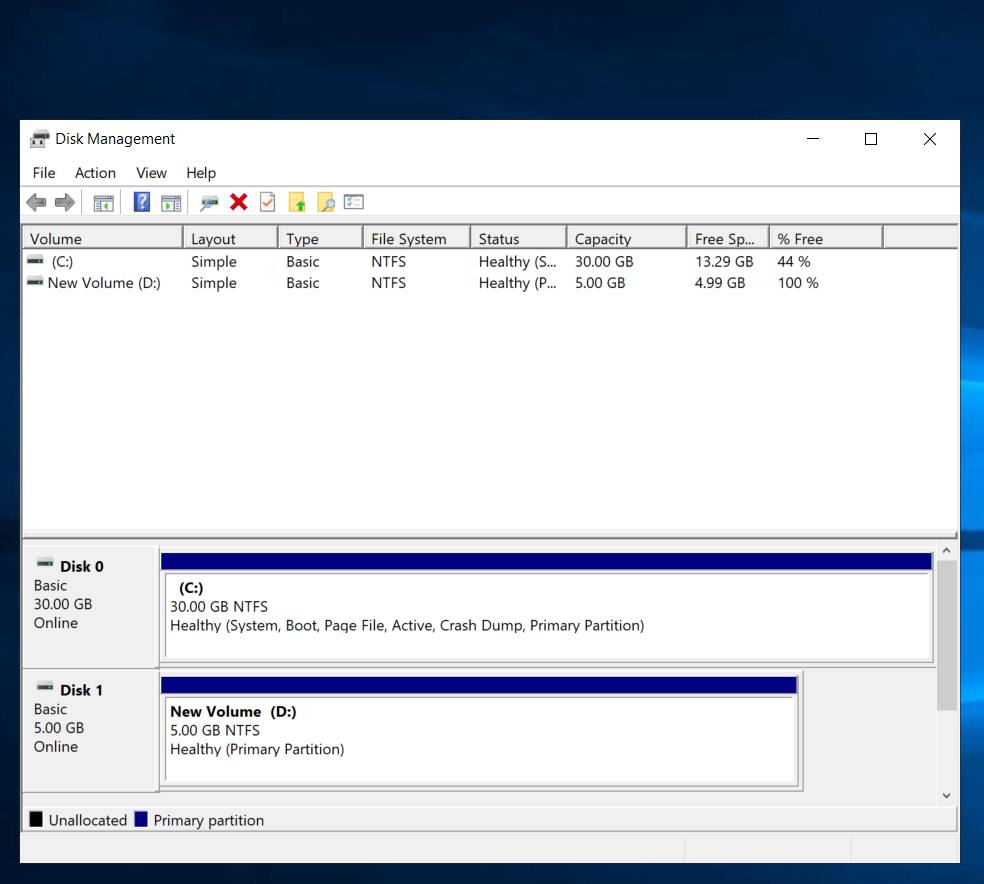
* Volume type – General purpose SSD (gp3)
* Size – 5 GB
* Name – windows\_vol
* Create volume
* Go to Volume actions
* Select instance – windows\_task
* Device name - xvdb
* Attach volume
* Open RDP client and decrypt the password
* Login windows instance
* Open Disk Management
* Make disk 1 online
* Initialize disk 1
* Create new simple volume
* Finish

**Output:**





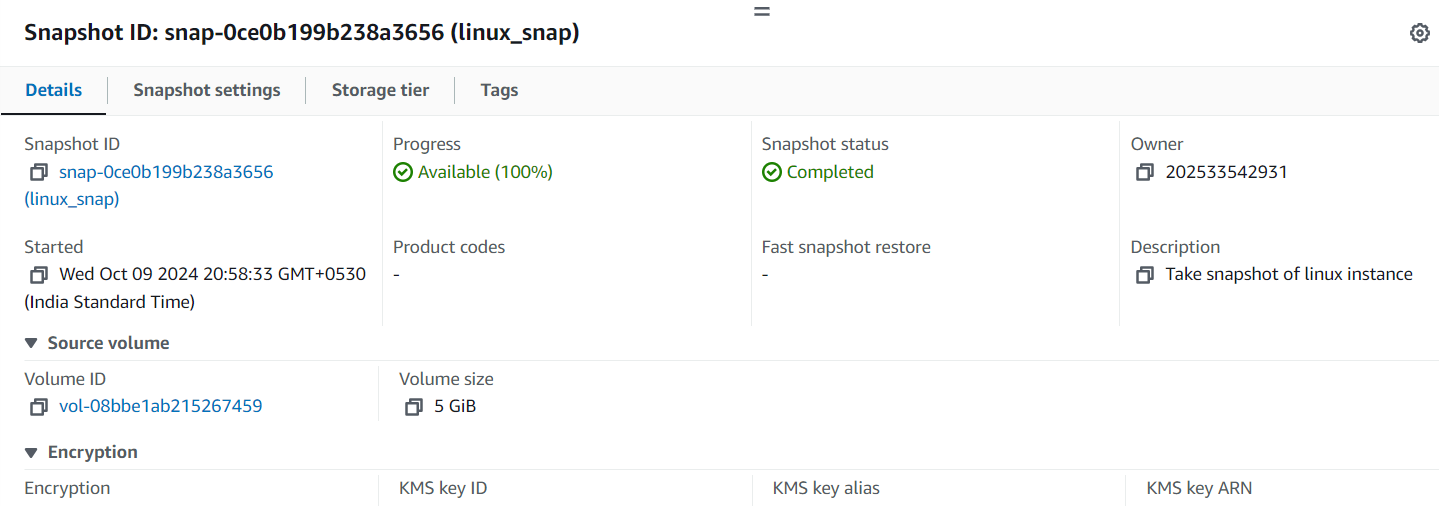


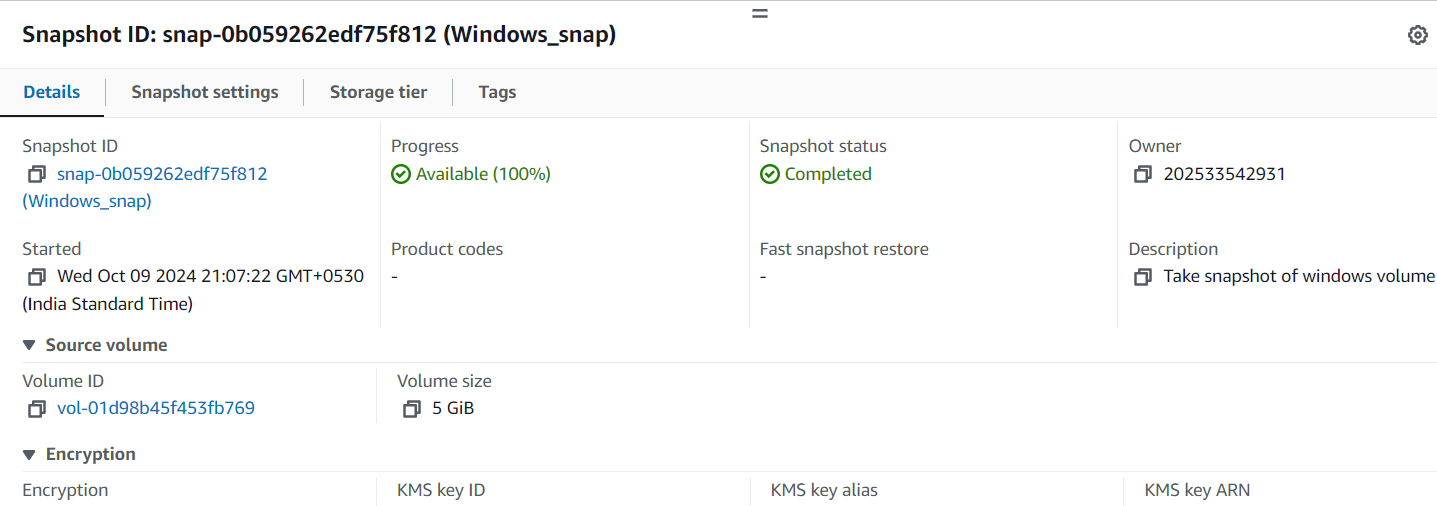


**Step 5 – Create Snapshot:**

* Resource type - volume
* Volume id – linux\_snap, windows\_vol
* Add snapshot description
* Snapshot name **–** linux\_snap, windows\_snap
* Create snapshot

**Output:**





**Step 6 – Create Volume from Snapshot:**

* Select snapshots (linux\_snap, windows\_snap)
* Go to actions
* Create volume from snapshots
* Volume type – General purpose SSD (gp3)
* Size – 5 GB
* Availability Zone – us-east-1d
* Volume Name – linux\_snap\_vol, windows\_snap\_vol
* Create volume

**Output:**



