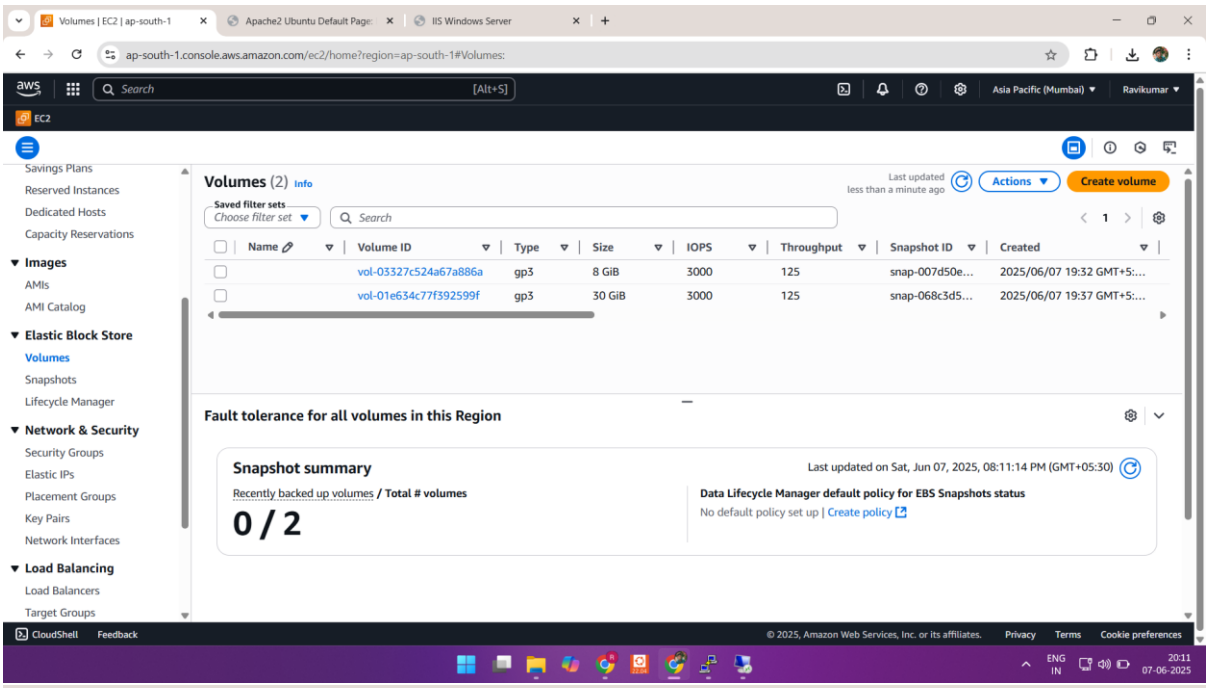
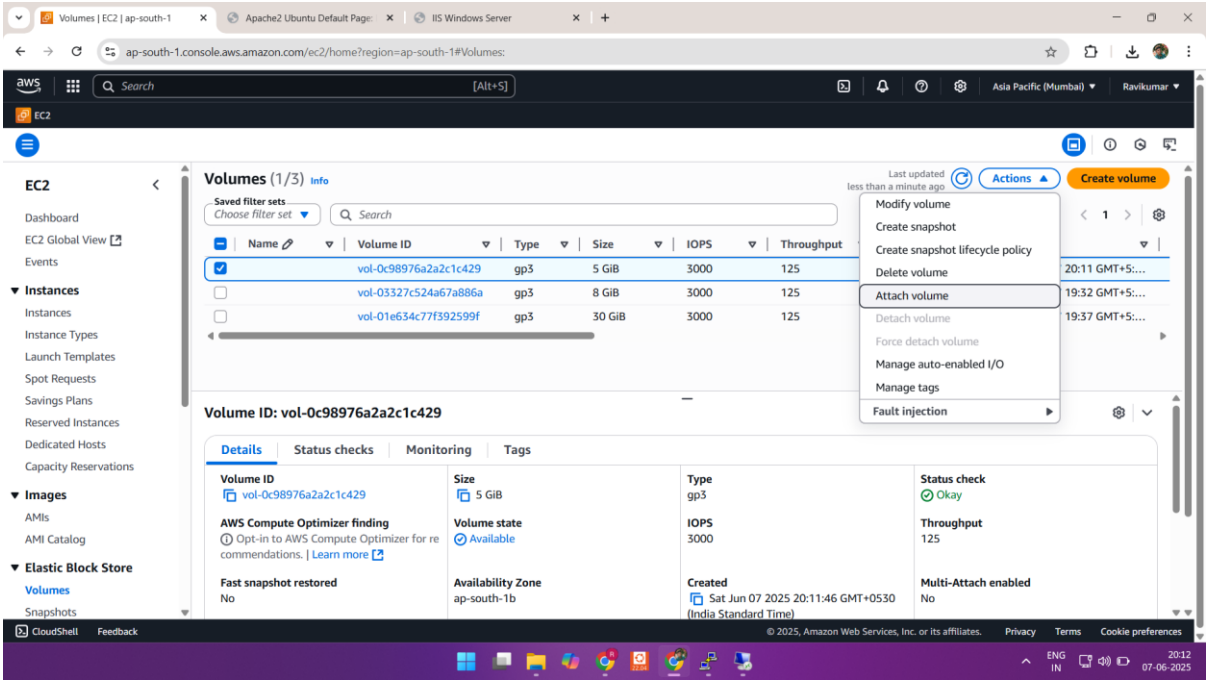
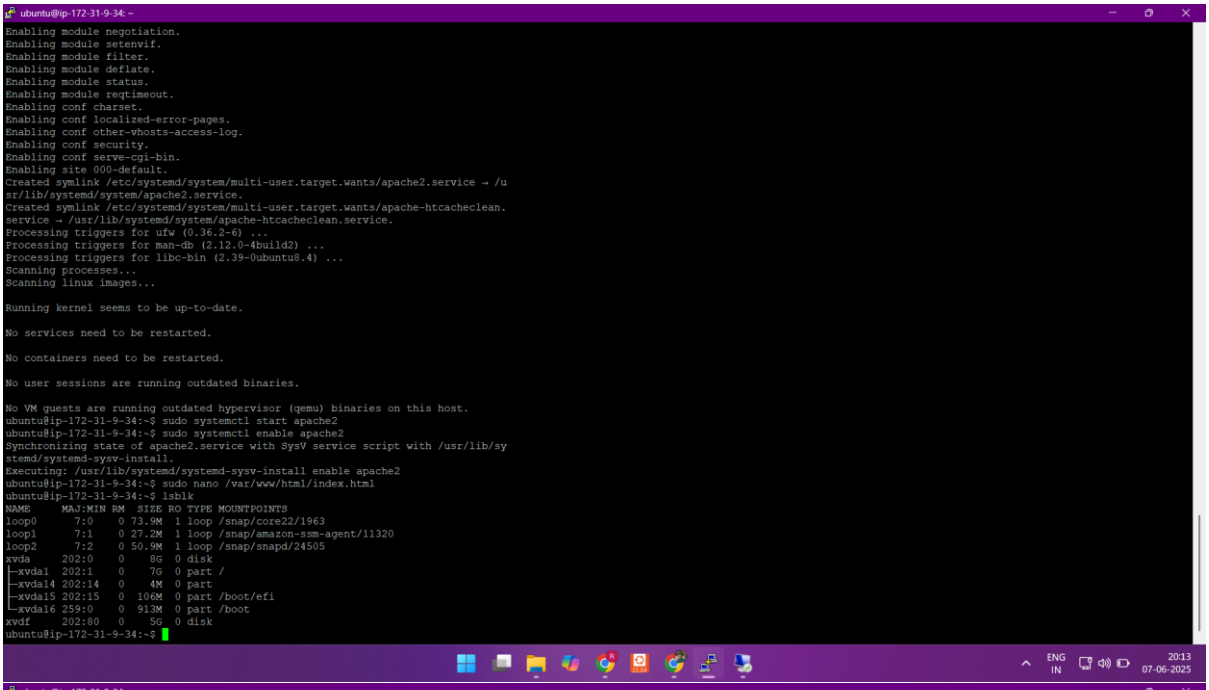
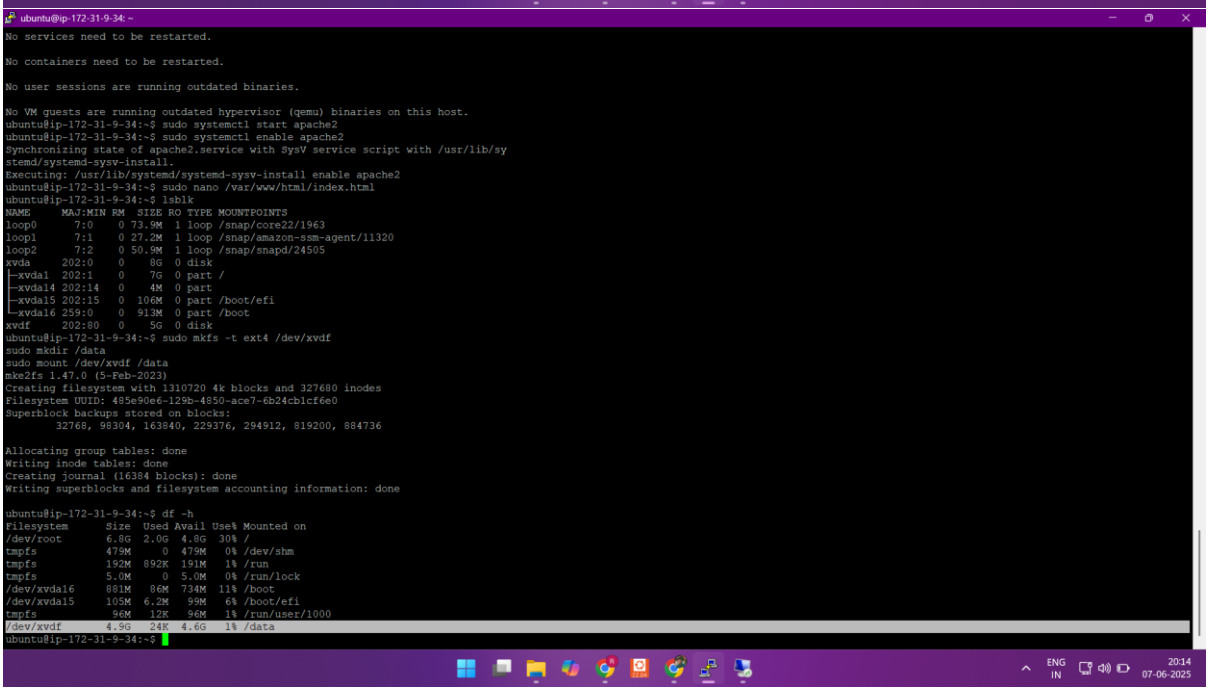
Launch an EC2 instance (Linux and Windows) along with a web server. Then, create an EBS volume of 5 GB, attach it to an EC2 machine (Linux and Windows), and take a snapshot. Finally, create an EBS volume using the taken snapshot.

2nd File






ubuntu@ip-172-31-9-34: ~
Enabling module negotiation.
Enabling module setenvif.
Enabling module filter.
Enabling module deflate.
Enabling module status.
Enabling module reqtimeout.
Enabling conf charset.
Enabling conf localized-error-pages.
Enabling conf other-vhosts-access-log.
Enabling conf security.
Enabling conf serve-cgi-bin.
Enabling site 000-default.
Created symlink /etc/systemd/system/multi-user.target.wants/apache2.service → /u
sr/lib/systemd/system/apache2.service.
Created symlink /etc/systemd/system/multi-user.target.wants/apache-htcacheclean.
service → /usr/lib/systemd/system/apache-htcacheclean.service.
Processing triggers for ufw (0.36.2-6) ...
Processing triggers for man-db (2.12.0-4build2) ...
Processing triggers for libc-bin (2.39-0ubuntu8.4) ...
Scanning processes...
Scanning linux images...
Running kernel seems to be up-to-date.
No services need to be restarted.
No containers need to be restarted.
No user sessions are running outdated binaries.
No VM guests are running outdated hypervisor (qemu) binaries on this host.
ubuntu@ip-172-31-9-34:~$ sudo systemctl start apache2
ubuntu@ip-172-31-9-34:~$ sudo systemctl enable apache2
Synchronizing state of apache2.service with SysV service script with /usr/lib/sy
stemd/systemd-sysv-install.
Executing: /usr/lib/systemd/systemd-sysv-install enable apache2
ubuntu@ip-172-31-9-34:~$ sudo nano /var/www/html/index.html
ubuntu@ip-172-31-9-34:~$ lsblk
NAME MAJ:MIN RM SIZE RO TYPE MOUNTPOINTS
loop0 7:0 0 73.9M 1 loop /snap/core22/1963
loop1 7:1 0 27.2M 1 loop /snap/amazon-ssm-agent/11320
loop2 7:2 0 50.9M 1 loop /snap/snapd/24505
xvda 202:0 0 8G 0 disk
├─xvda1 202:1 0 7G 0 part /
├─xvda14 202:14 0 4M 0 part
├─xvda15 202:15 0 106M 0 part /boot/efi
└─xvda16 259:0 0 913M 0 part /boot
xvdf 202:80 0 5G 0 disk
ubuntu@ip-172-31-9-34:~$
ENG
IN
20:13
07-06-2025


ubuntu@ip-172-31-9-34: ~
No services need to be restarted.
No containers need to be restarted.
No user sessions are running outdated binaries.
No VM guests are running outdated hypervisor (qemu) binaries on this host.
ubuntu@ip-172-31-9-34:~$ sudo systemctl start apache2
ubuntu@ip-172-31-9-34:~$ sudo systemctl enable apache2
Synchronizing state of apache2.service with SysV service script with /usr/lib/sy
stemd/systemd-sysv-install.
Executing: /usr/lib/systemd/systemd-sysv-install enable apache2
ubuntu@ip-172-31-9-34:~$ sudo nano /var/www/html/index.html
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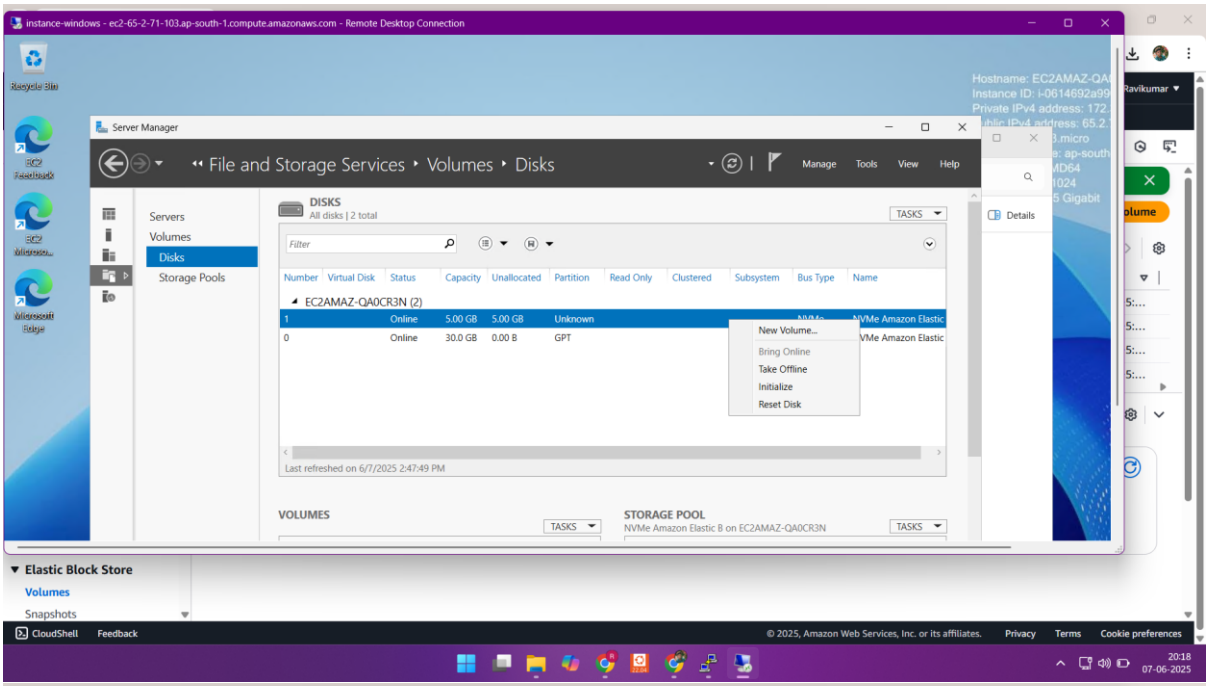
loop2 7:2 0 50.9M 1 loop /snap/snapd/24505
xvda 202:0 0 8G 0 disk
├─xvda1 202:1 0 7G 0 part /
├─xvda14 202:14 0 4M 0 part
├─xvda15 202:15 0 106M 0 part /boot/efi
└─xvda16 259:0 0 913M 0 part /boot
xvdf 202:80 0 5G 0 disk
ubuntu@ip-172-31-9-34:~$ sudo mkfs -t ext4 /dev/xvdf
sudo mkdir /data
sudo mount /dev/xvdf /data
mke2fs 1.47.0 (5-Feb-2023)
Creating filesystem with 1310720 4k blocks and 327680 inodes
Filesystem UUID: 485e90e6-129b-4850-ace7-6b24cb1cf6e0
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-172-31-9-34:~$ df -h
Filesystem Size Used Avail Use% Mounted on
/dev/root 6.8G 2.0G 4.8G 30% /
tmpfs 479M 0 479M 0% /dev/shm
tmpfs 192M 892K 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% /data
ubuntu@ip-172-31-9-34:~$
ENG
IN
20:14
07-06-2025


instance-windows - ec2-65-2-71-103.ap-south-1.compute.amazonaws.com - Remote Desktop Connection
Server Manager
File and Storage Services ▸ Volumes ▸ Disks
Manage Tools View Help
Servers
Volumes
Disks
Storage Pools
DISKS
All disks | 2 total
TASKS
Filter
Number Virtual Disk Status Capacity Unallocated Partition Read Only Clustered Subsystem Bus Type Name
EC2AMAZ-QA0CR3N (2)
1 Online 5.00 GB 5.00 GB Unknown NVMe Amazon Elastic
0 Online 30.0 GB 0.00 B GPT NVMe Amazon Elastic
New Volume...
Bring Online
Take Offline
Initialize
Reset Disk
Last refreshed on 6/7/2025 2:47:49 PM
VOLUMES
STORAGE POOL
NVMe Amazon Elastic B on EC2AMAZ-QA0CR3N
Details
Elastic Block Store
Volumes
Snapshots
CloudShell
Feedback
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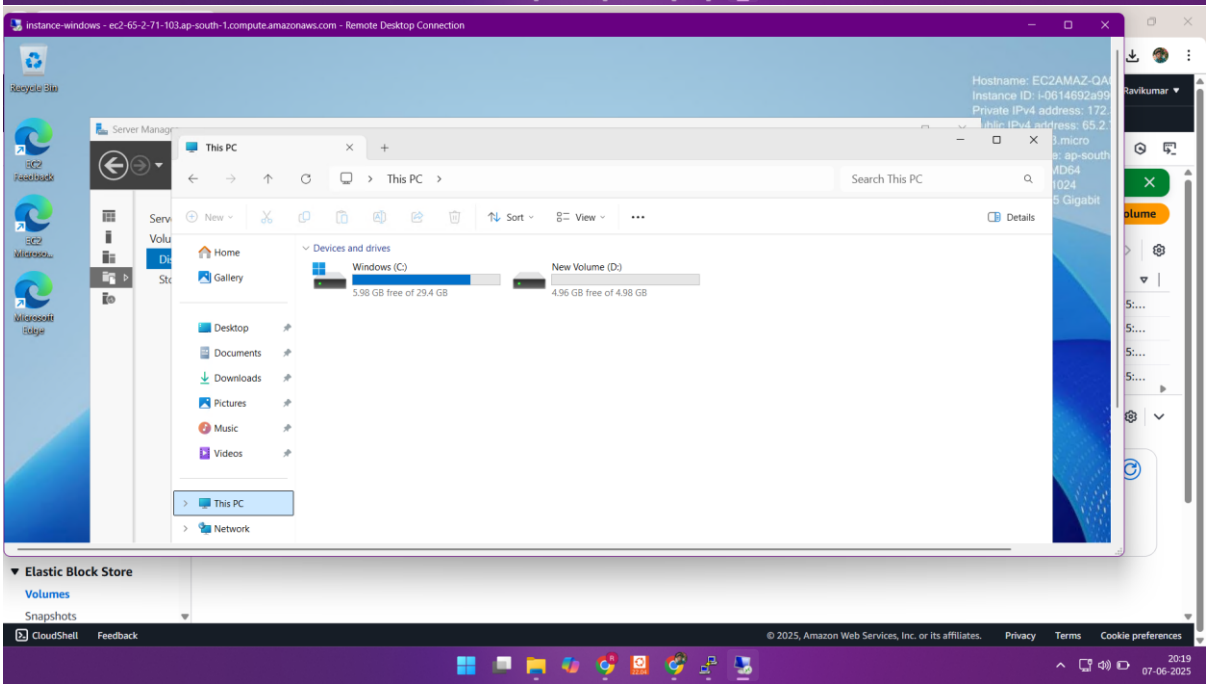
Privacy
Terms
Cookie preferences
20:18
07-06-2025


instance-windows - ec2-65-2-71-103.ap-south-1.compute.amazonaws.com - Remote Desktop Connection
This PC
This PC
Search This PC
New
Sort
View
Details
Home
Gallery
Desktop
Documents
Downloads
Pictures
Music
Videos
This PC
Network
Devices and drives
Windows (C:)
5.98 GB free of 29.4 GB
New Volume (D:)
4.96 GB free of 4.98 GB
Elastic Block Store
Volumes
Snapshots
CloudShell
Feedback
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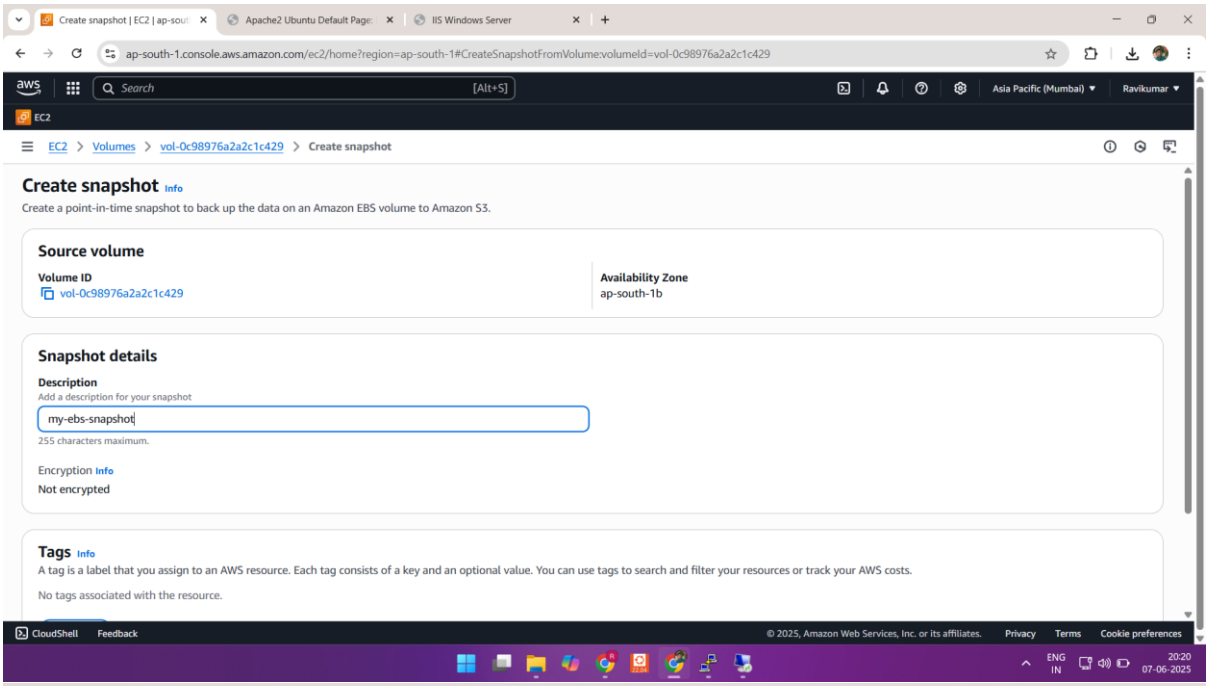
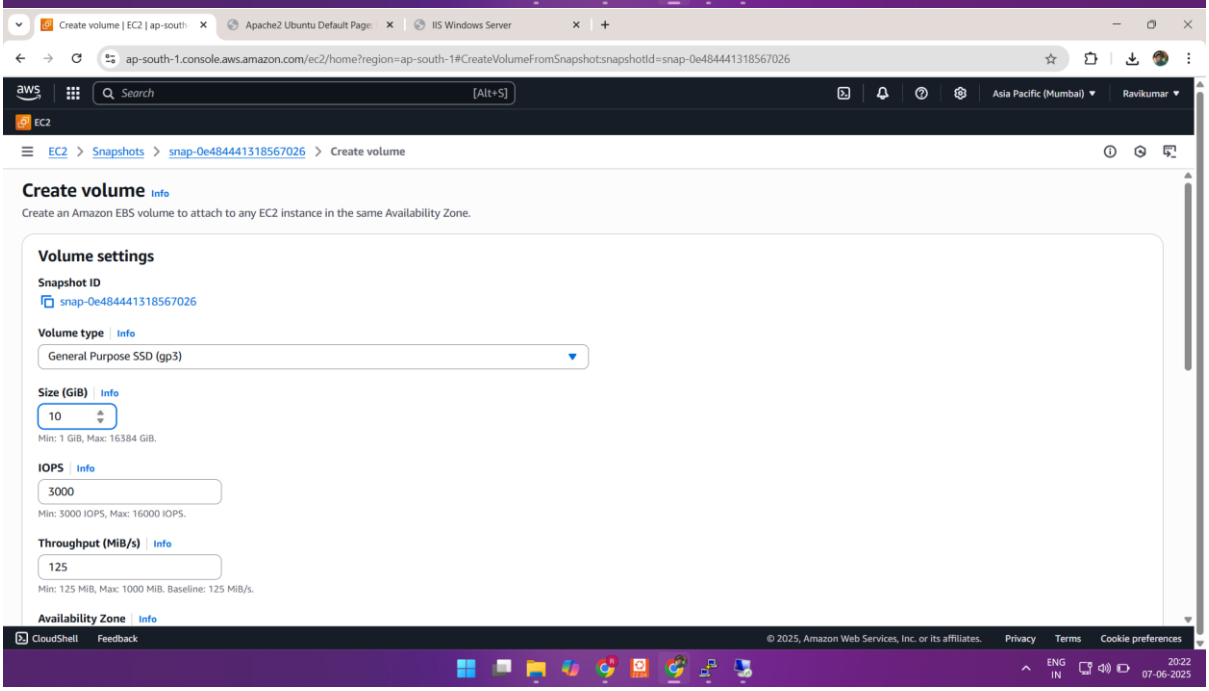
Privacy
Terms
Cookie preferences
20:19
07-06-2025


Create snapshot | EC2 | ap-sout
Apache2 Ubuntu Default Page:
IIS Windows Server
ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#CreateSnapshotFromVolume:volumeId=vol-0c98976a2a2c1c429
Search
[Alt+S]
Asia Pacific (Mumbai)
Ravikumar
EC2
EC2 > Volumes > vol-0c98976a2a2c1c429 > 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-0c98976a2a2c1c429
Availability Zone
ap-south-1b
Snapshot details
Description
Add a description for your snapshot
my-ebs-snapshot
255 characters maximum.
Encryption Info
Not encrypted
Tags 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.
CloudShell
Feedback
© 2025, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences
ENG
IN
20:20
07-06-2025


Create volume | EC2 | ap-south
Apache2 Ubuntu Default Page:
IIS Windows Server
ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#CreateVolumeFromSnapshot:snapshotId=snap-0e484441318567026
Search
[Alt+S]
Asia Pacific (Mumbai)
Ravikumar
EC2
EC2 > Snapshots > snap-0e484441318567026 > Create volume
Create volume Info
Create an Amazon EBS volume to attach to any EC2 instance in the same Availability Zone.
Volume settings
Snapshot ID
snap-0e484441318567026
Volume type Info
General Purpose SSD (gp3)
Size (GiB) Info
10
Min: 1 GiB, Max: 16384 GiB.
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
CloudShell
Feedback
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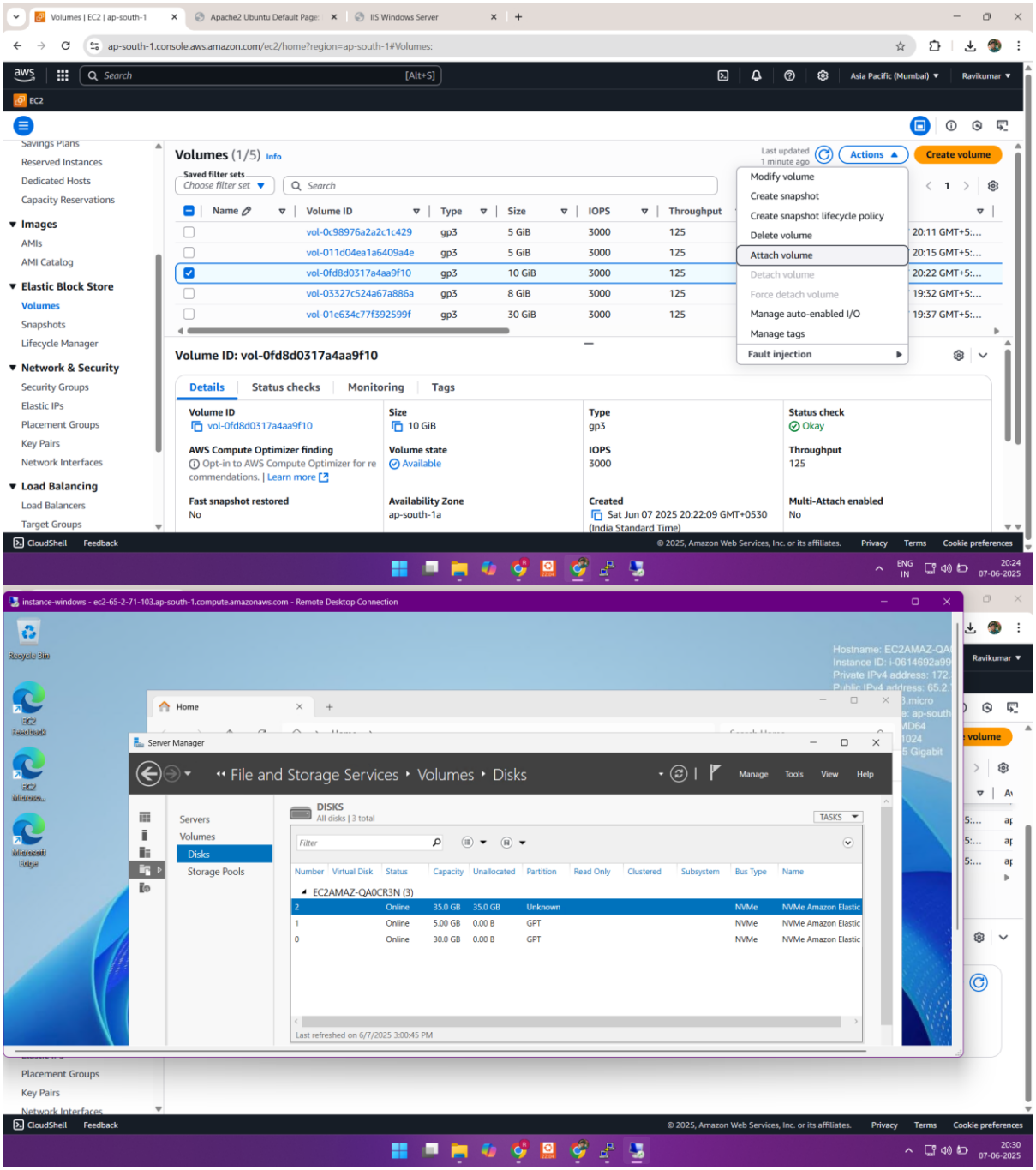
ENG
IN
20:22
07-06-2025


Volumes | EC2 | ap-south-1
Apache2 Ubuntu Default Page:
IIS Windows Server
ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#Volumes:
Search
[Alt+S]
Asia Pacific (Mumbai)
Ravikumar
EC2
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
Key Pairs
Network Interfaces
Load Balancing
Load Balancers
Target Groups
Volumes (1/5) Info
Last updated 1 minute ago
Actions
Create volume
Saved filter sets
Choose filter set
Search
Name
Volume ID
Type
Size
IOPS
Throughput
vol-0c98976a2a2c1c429 gp3 5 GiB 3000 125 20:11 GMT+5:...
vol-011d04ea1a6409a4e gp3 5 GiB 3000 125 20:15 GMT+5:...
vol-0fd8d0317a4aa9f10 gp3 10 GiB 3000 125 20:22 GMT+5:...
vol-03327c524a67a886a gp3 8 GiB 3000 125 19:32 GMT+5:...
vol-01e634c77f392599f gp3 30 GiB 3000 125 19:37 GMT+5:...
Modify volume
Create snapshot
Create snapshot lifecycle policy
Delete volume
Attach volume
Detach volume
Force detach volume
Manage auto-enabled I/O
Manage tags
Fault injection
Volume ID: vol-0fd8d0317a4aa9f10
Details
Status checks
Monitoring
Tags
Volume ID
vol-0fd8d0317a4aa9f10
Size
10 GiB
Type
gp3
Status check
Okay
AWS Compute Optimizer finding
Opt-in to AWS Compute Optimizer for recommendations. | Learn more
Volume state
Available
IOPS
3000
Throughput
125
Fast snapshot restored
No
Availability Zone
ap-south-1a
Created
Sat Jun 07 2025 20:22:09 GMT+0530 (India Standard Time)
Multi-Attach enabled
No
CloudShell
Feedback
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Cookie preferences
ENG IN
20:24
07-06-2025
instance-windows - ec2-65-2-71-103.ap-south-1.compute.amazonaws.com - Remote Desktop Connection
Recycle Bin
Server Manager
File and Storage Services ▸ Volumes ▸ Disks
Manage
Tools
View
Help
Servers
Volumes
Disks
Storage Pools
DISKS
All disks | 3 total
TASKS
Filter
Number
Virtual Disk
Status
Capacity
Unallocated
Partition
Read Only
Clustered
Subsystem
Bus Type
Name
EC2AMAZ-QA0CR3N (3)
2 Online 35.0 GB 35.0 GB Unknown NVMe NVMe Amazon Elastic
1 Online 5.00 GB 0.00 B GPT NVMe NVMe Amazon Elastic
0 Online 30.0 GB 0.00 B GPT NVMe NVMe Amazon Elastic
Last refreshed on 6/7/2025 3:00:45 PM
Hostname: EC2AMAZ-QA
Instance ID: i-061692a99
Private IPv4 address: 172.
Public IPv4 address: 65.2.
Placement Groups
Key Pairs
Network Interfaces
20:30
07-06-2025