

- 1 Launch an EC2 instance- linux with webserver
- 2 Launch and EC2 instance-windows with a web server (IIS).
- 3 Then, create an EBS volume of 5 GB for linux
- 4 create another ebs volume of 5gb for windows
- 4.Attach it to an EC2 machine (Linux and Windows),
- 5 create an EBS volume using the taken snapshot.

aws [Search] [Alt+S] Asia Pacific (Mumbai) ACCOUNT ID: 7362-9621-3120 PRABU S R

EC2 > Instances > Launch an instance

It seems like you may be new to launching instances in EC2. Take a walkthrough to learn about EC2, how to launch instances and about best practices. [Take a walkthrough](#) [Do not show me this message again.](#)

Launch an instance [Info](#)

Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.

Name and tags [Info](#)

Name

 [Add additional tags](#)

Application and OS Images (Amazon Machine Image) [Info](#)

An AMI contains the operating system, application server, and applications for your instance. If you don't see a suitable AMI below, use the search field or choose [Browse more AMIs](#).

[Recents](#) [Quick Start](#)

Summary

[Number of instances](#) | [Info](#)

[Software Image \(AMI\)](#)
Microsoft Windows Server 2025 ...[read more](#)
ami-066eb5725566530f0

[Virtual server type \(instance type\)](#)
t3.micro

[Firewall \(security group\)](#)
New security group

[Storage \(volumes\)](#)
1 volume(s) - 30 GiB

[Cancel](#) [Launch instance](#)

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EC2 > Instances > Launch an instance

Key pair (login) [Info](#)

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

[Key pair name - required](#)

 [Create new key pair](#)

For Windows instances, you use a key pair to decrypt the administrator password. You then use the decrypted password to connect to your instance.

Network settings [Info](#)

[Network](#) | [Info](#)
vpc-0811954bf33a0cb2f | Default-VPC

[Subnet](#) | [Info](#)
No preference (Default subnet in any availability zone)

[Auto-assign public IP](#) | [Info](#)
Enable

[Firewall \(security groups\)](#) | [Info](#)
A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

[Edit](#)

Summary

[Number of instances](#) | [Info](#)

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[Cancel](#) [Launch instance](#) [Preview code](#)

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PRABU S R

EC2 > Instances > Launch an instance

1 ⓘ ⌵ ⌵

Enable

Firewall (security groups)

Info

A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

Create security group

Select existing security group

We'll create a new security group called 'launch-wizard-1' with the following rules:

☒ Allow RDP traffic from

Anywhere

0.0.0.0/0

☒ Allow HTTPS traffic from the internet

To set up an endpoint, for example when creating a web server

☒ Allow HTTP traffic from the internet

To set up an endpoint, for example when creating a web server

⚠ Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.

×

▼ Configure storage

Info

Advanced

1x 30 GiB gp3 Root volume, 3000 IOPS, Not encrypted

▼ Summary

Number of instances

Info

1

Software Image (AMI)

Microsoft Windows Server 2025 ...read more

ami-066eb5725566530f0

Virtual server type (instance type)

t3.micro

Firewall (security group)

New security group

Storage (volumes)

1 volume(s) - 30 GiB

Cancel

Launch instance

Preview code

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Account ID: 7362-9621-3120

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EC2 > Instances > Launch an instance

1 ⓘ ⌵ ⌵

It seems like you may be new to launching Instances in EC2. Take a walkthrough to learn about EC2, how to launch instances and about best practices

Take a walkthrough

Do not show me this message again.

Launch an instance

Info

Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.

Name and tags

Info

Name

LinuxServer

Add additional tags

▼ Application and OS Images (Amazon Machine Image)

Info

An AMI contains the operating system, application server, and applications for your instance. If you don't see a suitable AMI below, use the search field or choose [Browse more AMIs](#).

Q Search our full catalog including 1000s of application and OS images

Recents

Quick Start

▼ Summary

Number of instances

Info

1

Software Image (AMI)

Amazon Linux 2023 AMI 2023.8.2...read more

ami-01b6d88af12965bb6

Virtual server type (instance type)

t3.micro

Firewall (security group)

New security group

Storage (volumes)

1 volume(s) - 8 GiB

Cancel

Launch instance

aws

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Account ID: 7362-9621-3120

PRABU S R

EC2 > Instances > Launch an instance

1 ⓘ ⌵ ⌵

Success

Successfully initiated launch of instance (i-0a60b7e279ad8e051)

▶ Launch log

Next Steps

Q What would you like to do next with this instance, for example "create alarm" or "create backup"

< 1 2 3 4 5 6 >

Create billing usage alerts

To manage costs and avoid surprise bills, set up email notifications for billing usage thresholds.

Create billing alerts

Connect to your instance

Once your instance is running, log into it from your local computer.

Connect to instance

Learn more

Connect an RDS database

Configure the connection between an EC2 instance and a database to allow traffic flow between them.

Connect an RDS database

Create a new RDS database

Learn more

Create EBS snapshot policy

Create a policy that automates the creation, retention, and deletion of EBS snapshots

Create EBS snapshot policy

i created linux and windows with http rdp security group instance.

I install http web service

```
aws
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Account ID: 7362-9621-3120
PRABU S R

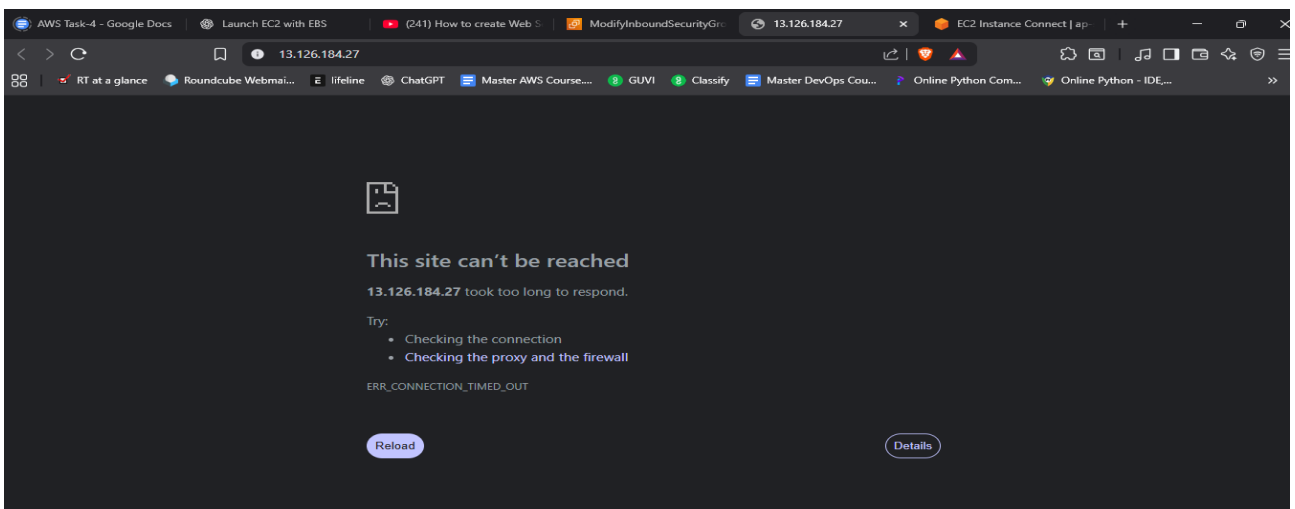
Installing : mod_lua-2.4.65-1.amzn2023.0.1.x86_64 10/12
Installing : generic-logos-httpd-18.0.0-12.amzn2023.0.3.noarch 11/12
Installing : httpd-2.4.65-1.amzn2023.0.1.x86_64 12/12
Running scriptlet: httpd-2.4.65-1.amzn2023.0.1.x86_64 12/12
Verifying : apr-1.7.5-1.amzn2023.0.4.x86_64 1/12
Verifying : apr-util-1.6.3-1.amzn2023.0.1.x86_64 2/12
Verifying : apr-util-openssl-1.6.3-1.amzn2023.0.1.x86_64 3/12
Verifying : generic-logos-httpd-18.0.0-12.amzn2023.0.3.noarch 4/12
Verifying : httpd-2.4.65-1.amzn2023.0.1.x86_64 5/12
Verifying : httpd-core-2.4.65-1.amzn2023.0.1.x86_64 6/12
Verifying : httpd-filesystem-2.4.65-1.amzn2023.0.1.noarch 7/12
Verifying : httpd-tools-2.4.65-1.amzn2023.0.1.x86_64 8/12
Verifying : libbrotli-1.0.9-4.amzn2023.0.2.x86_64 9/12
Verifying : mailcap-2.1.49-3.amzn2023.0.3.noarch 10/12
Verifying : mod_http2-2.0.27-1.amzn2023.0.3.x86_64 11/12
Verifying : mod_lua-2.4.65-1.amzn2023.0.1.x86_64 12/12

Installed:
apr-1.7.5-1.amzn2023.0.4.x86_64      apr-util-1.6.3-1.amzn2023.0.1.x86_64      apr-util-openssl-1.6.3-1.amzn2023.0.1.x86_64
generic-logos-httpd-18.0.0-12.amzn2023.0.3.noarch  httpd-core-2.4.65-1.amzn2023.0.1.x86_64      httpd-core-2.4.65-1.amzn2023.0.1.x86_64
httpd-filesystem-2.4.65-1.amzn2023.0.1.noarch      httpd-tools-2.4.65-1.amzn2023.0.1.x86_64      libbrotli-1.0.9-4.amzn2023.0.2.x86_64
mailcap-2.1.49-3.amzn2023.0.3.noarch              mod_http2-2.0.27-1.amzn2023.0.3.x86_64      mod_lua-2.4.65-1.amzn2023.0.1.x86_64

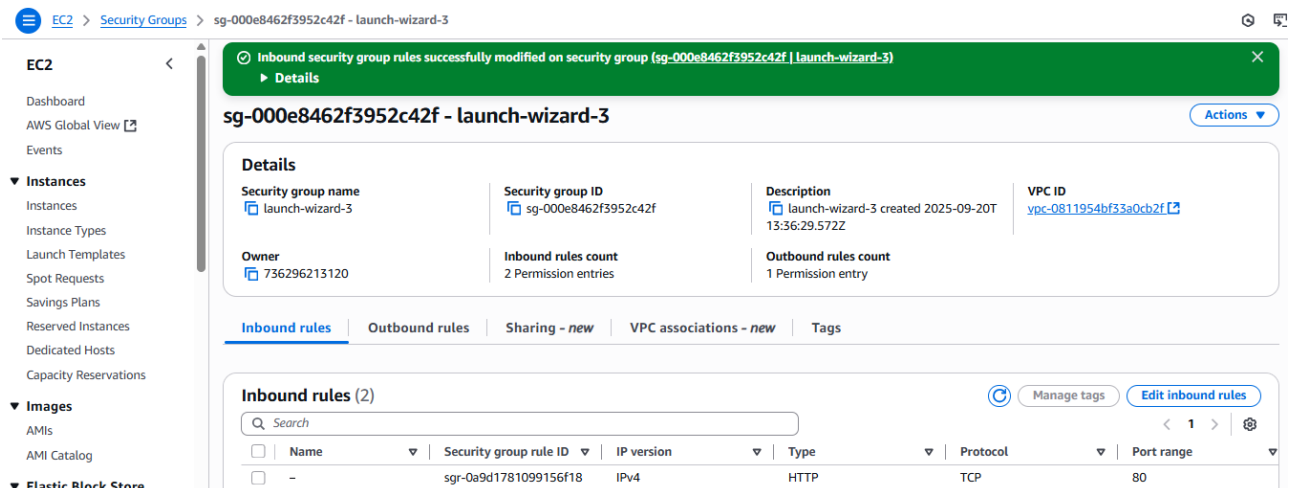
Complete!
[root@ip-172-31-32-103 ec2-user]#

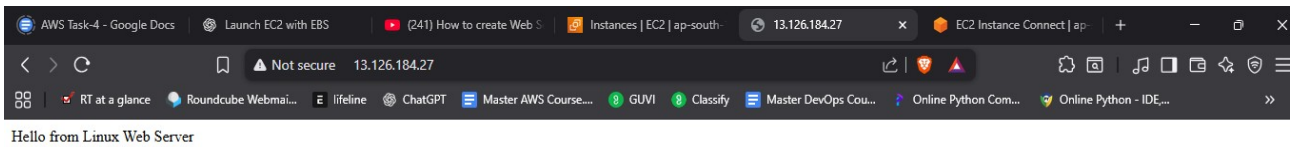
i-0a60b7e279ad8e051 (LinuxServer)
PublicIPs: 13.126.184.27  PrivateIPs: 172.31.32.103

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```

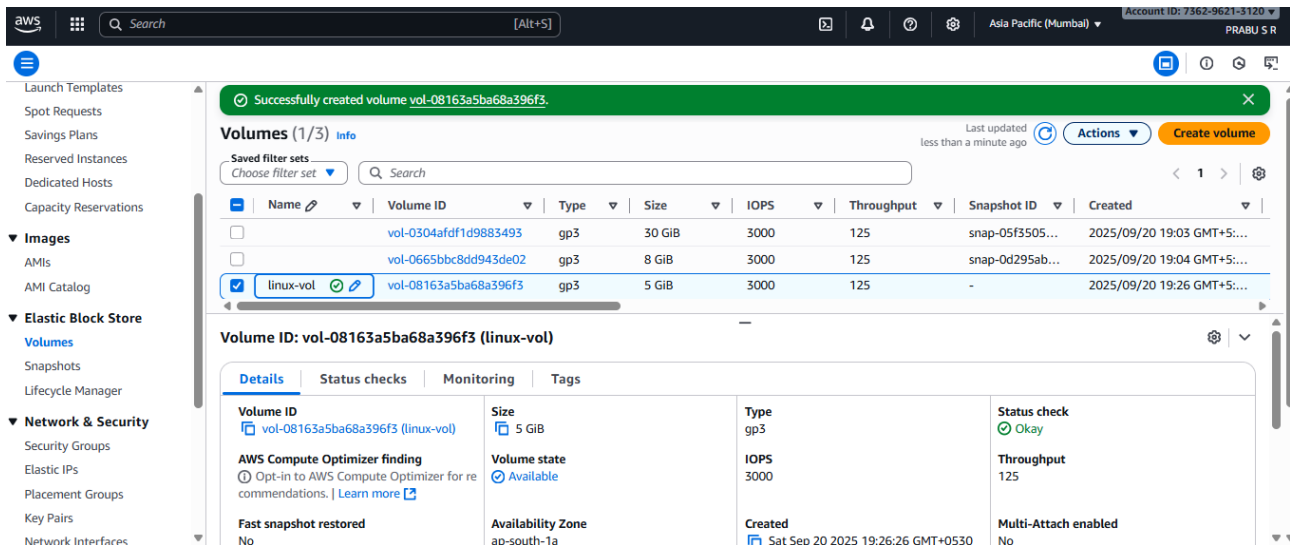


it not works because in security-group i have not added http 0.0.0.0/0 inbound rules after added it works

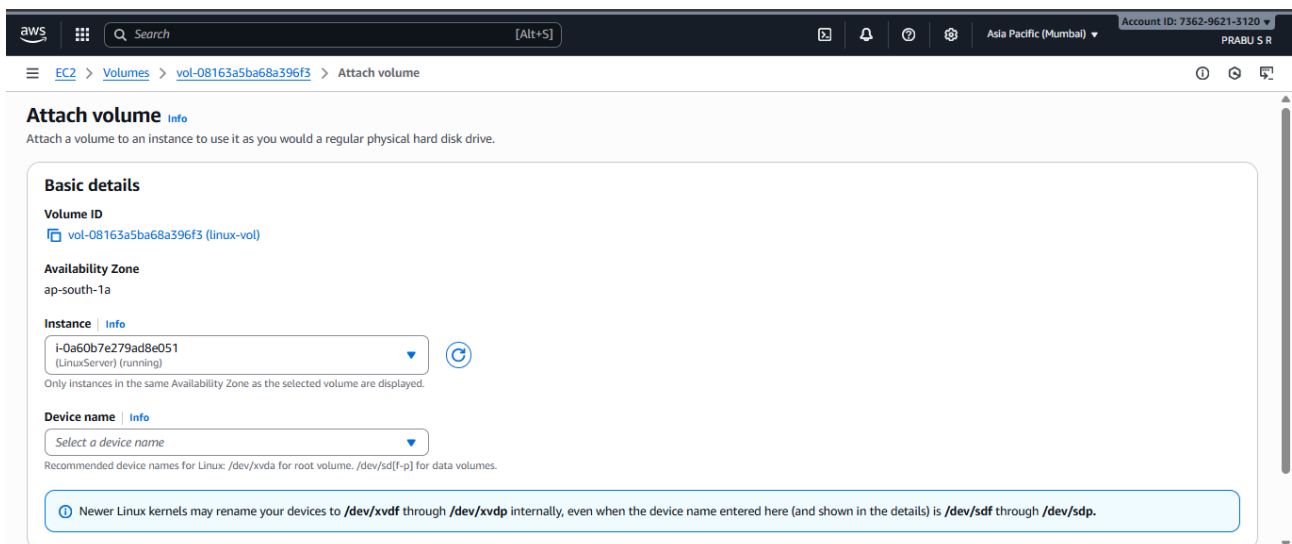




i added extra EBS VOLUMES one instance – one vol



attach the volume to linux, both should be in same zone.



Q Search

[Alt+S]

Asia Pacific (Mumbai)

Account ID: 7362-9621-3120

PRABU S R

[root@ip-172-31-32-103 ec2-user]# df -h

Filesystem	Size	Used	Avail	Use%	Mounted on
devtmpfs	4.0M	0	4.0M	0%	/dev
tmpfs	453M	0	453M	0%	/dev/shm
tmpfs	181M	432K	181M	1%	/run
/dev/nvme0n1p1	8.0G	1.6G	6.4G	20%	/
tmpfs	453M	0	453M	0%	/tmp
/dev/nvme0n1p128	10M	1.3M	8.7M	13%	/boot/efi
tmpfs	91M	0	91M	0%	/run/user/1000

[root@ip-172-31-32-103 ec2-user]#

i-0a60b7e279ad8e051 (LinuxServer)

PublicIPs: 13.126.184.27 PrivateIPs: 172.31.32.103

Q Search

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Asia Pacific (Mumbai)

Account ID: 7362-9621-3120

PRABU S R

[root@ip-172-31-32-103 ec2-user]# df -h

Filesystem	Size	Used	Avail	Use%	Mounted on
devtmpfs	4.0M	0	4.0M	0%	/dev
tmpfs	453M	0	453M	0%	/dev/shm
tmpfs	181M	432K	181M	1%	/run
/dev/nvme0n1p1	8.0G	1.6G	6.4G	20%	/
tmpfs	453M	0	453M	0%	/tmp
/dev/nvme0n1p128	10M	1.3M	8.7M	13%	/boot/efi
tmpfs	91M	0	91M	0%	/run/user/1000

[root@ip-172-31-32-103 ec2-user]# df -h

Filesystem	Size	Used	Avail	Use%	Mounted on
devtmpfs	4.0M	0	4.0M	0%	/dev
tmpfs	453M	0	453M	0%	/dev/shm
tmpfs	181M	440K	181M	1%	/run
/dev/nvme0n1p1	8.0G	1.6G	6.4G	20%	/
tmpfs	453M	0	453M	0%	/tmp
/dev/nvme0n1p128	10M	1.3M	8.7M	13%	/boot/efi
tmpfs	91M	0	91M	0%	/run/user/1000

[root@ip-172-31-32-103 ec2-user]#

i-0a60b7e279ad8e051 (LinuxServer)

PublicIPs: 13.126.184.27 PrivateIPs: 172.31.32.103

Q Search

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Asia Pacific (Mumbai)

Account ID: 7362-9621-3120

PRABU S R

[root@ip-172-31-32-103 ec2-user]# lsblk

NAME	MAJ:MIN	RM	SIZE	RO	TYPE	MOUNTPOINTS
nvme0n1	259:0	0	8G	0	disk	
└─nvme0n1p1	259:1	0	8G	0	part	/
└─nvme0n1p127	259:2	0	1M	0	part	
└─nvme0n1p128	259:3	0	10M	0	part	/boot/efi
nvme1n1	259:4	0	5G	0	disk	

[root@ip-172-31-32-103 ec2-user]#

i-0a60b7e279ad8e051 (LinuxServer)

PublicIPs: 13.126.184.27 PrivateIPs: 172.31.32.103

CloudShell

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i tried to mount the new volume

aws

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Account ID: 7362-9621-3120

PRABU S R

[ec2-user@ip-172-31-32-103 ~]\$ lsblk

NAME MAJ:MIN RM SIZE RO TYPE MOUNTPOINTS

nvme0n1 259:0 0 8G 0 disk

└─nvme0n1p1 259:1 0 8G 0 part /

└─nvme0n1p127 259:2 0 1M 0 part

└─nvme0n1p128 259:3 0 10M 0 part /boot/efi

nvme1n1 259:4 0 5G 0 disk

[ec2-user@ip-172-31-32-103 ~]\$ sudo mkfs -t ext4 /dev/nvme1n1

mkfs 1.46.5 (30-Dec-2021)

Creating filesystem with 1310720 4k blocks and 327680 inodes

Filesystem UUID: 912dc5e2-5fea-4ff7-9426-1cee03085326

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

[ec2-user@ip-172-31-32-103 ~]\$

i-0a60b7e279ad8e051 (LinuxServer)

Public IPs: 13.126.184.27 Private IPs: 172.31.32.103

make directory as data in new vol

aws

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Asia Pacific (Mumbai)

Account ID: 7362-9621-3120

PRABU S R

[ec2-user@ip-172-31-32-103 ~]\$ sudo mkfs -t ext4 /dev/nvme1n1

mkfs 1.46.5 (30-Dec-2021)

Creating filesystem with 1310720 4k blocks and 327680 inodes

Filesystem UUID: 912dc5e2-5fea-4ff7-9426-1cee03085326

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

[ec2-user@ip-172-31-32-103 ~]\$ sudo mkdir /data

[ec2-user@ip-172-31-32-103 ~]\$ sudo mount /dev/nvme1n1 /data

[ec2-user@ip-172-31-32-103 ~]\$ df -h

Filesystem Size Used Avail Use% Mounted on

devtmpfs 4.0M 0 4.0M 0% /dev

tmpfs 453M 0 453M 0% /dev/shm

tmpfs 1.81M 440K 1.81M 1% /run

/dev/nvme0n1p1 8.0G 1.6G 6.4G 20% /

tmpfs 453M 0 453M 0% /tmp

/dev/nvme0n1p128 10M 1.3M 8.7M 13% /boot/efi

tmpfs 91M 0 91M 0% /run/user/1000

/dev/nvme1n1 4.9G 24K 4.6G 1% /data

[ec2-user@ip-172-31-32-103 ~]\$

i-0a60b7e279ad8e051 (LinuxServer)

Public IPs: 13.126.184.27 Private IPs: 172.31.32.103

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i started created snapshot for linux ebs vol

aws

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PRABU S R

EC2 > Snapshots > Create snapshot

1 2 3

Create snapshot [Info](#)

Create a point-in-time snapshot of an EBS volume and use it as a baseline for new volumes or for data backup. You can create snapshots from an individual volume, or you can create multi-volume snapshots from all of the volumes attached to an instance.

Source

Resource type [Info](#)

☒ Volume

Create a snapshot from a specific volume.

☐ Instance

Create multi-volume snapshots from an instance.

Volume ID

The volume from which to create the snapshot.

vol-08163a5ba68a396f3 (linux-vol)

ap-south-1a

Snapshot details

Description

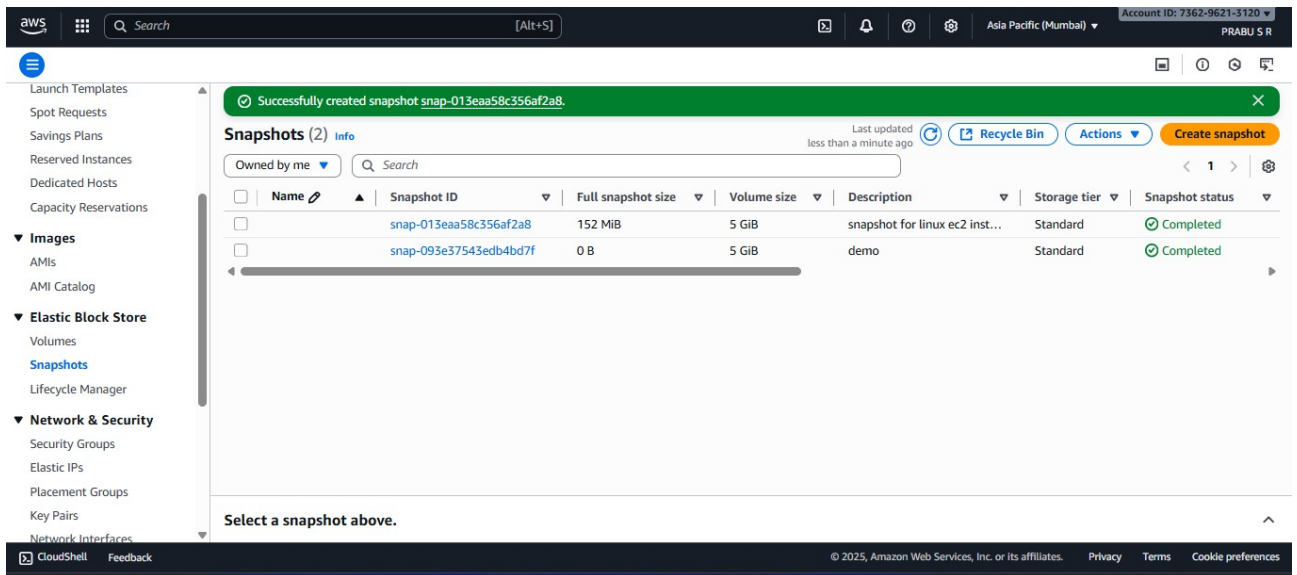
Add a description for your snapshot.

snapshot for linux ec2 instance

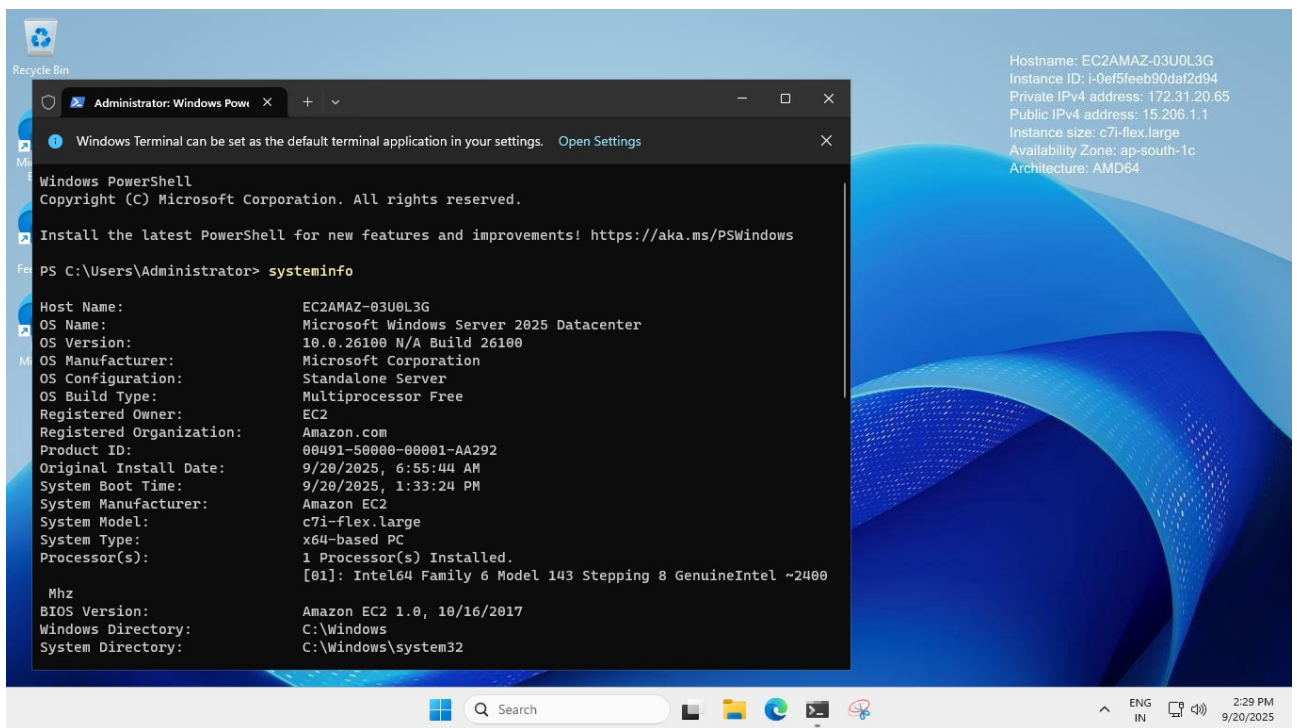
255 characters maximum

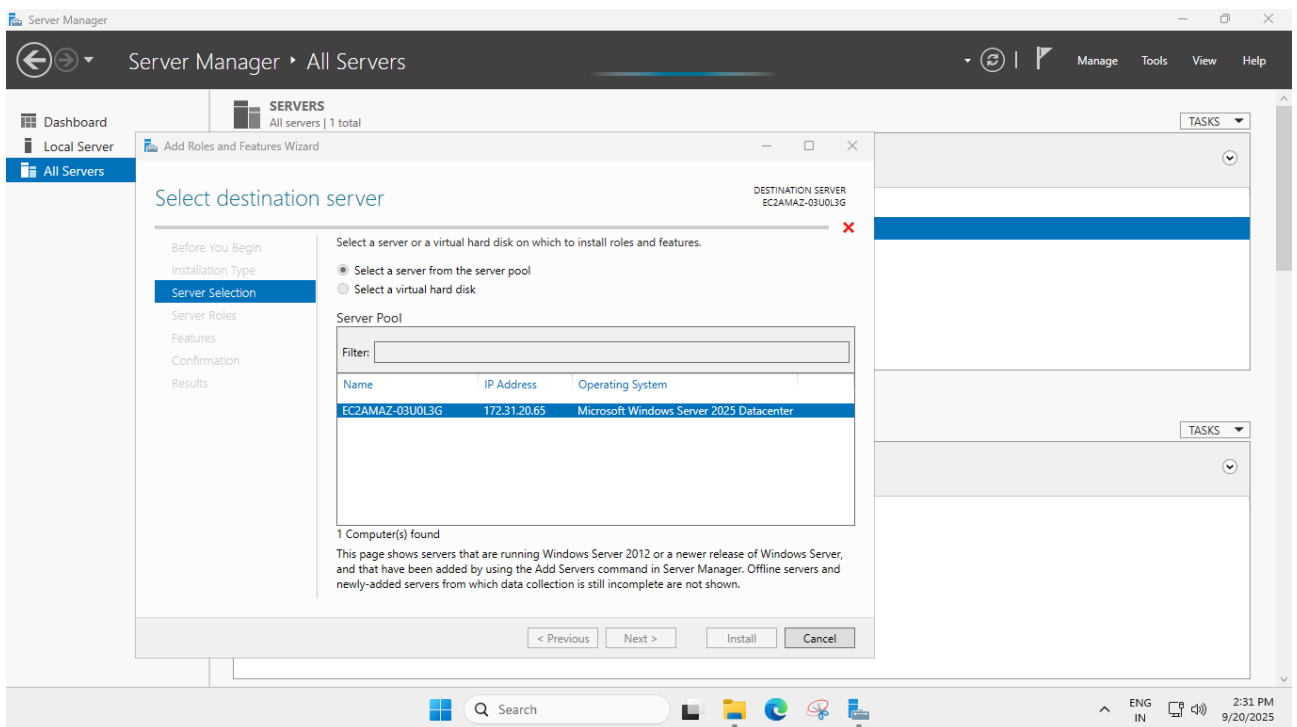
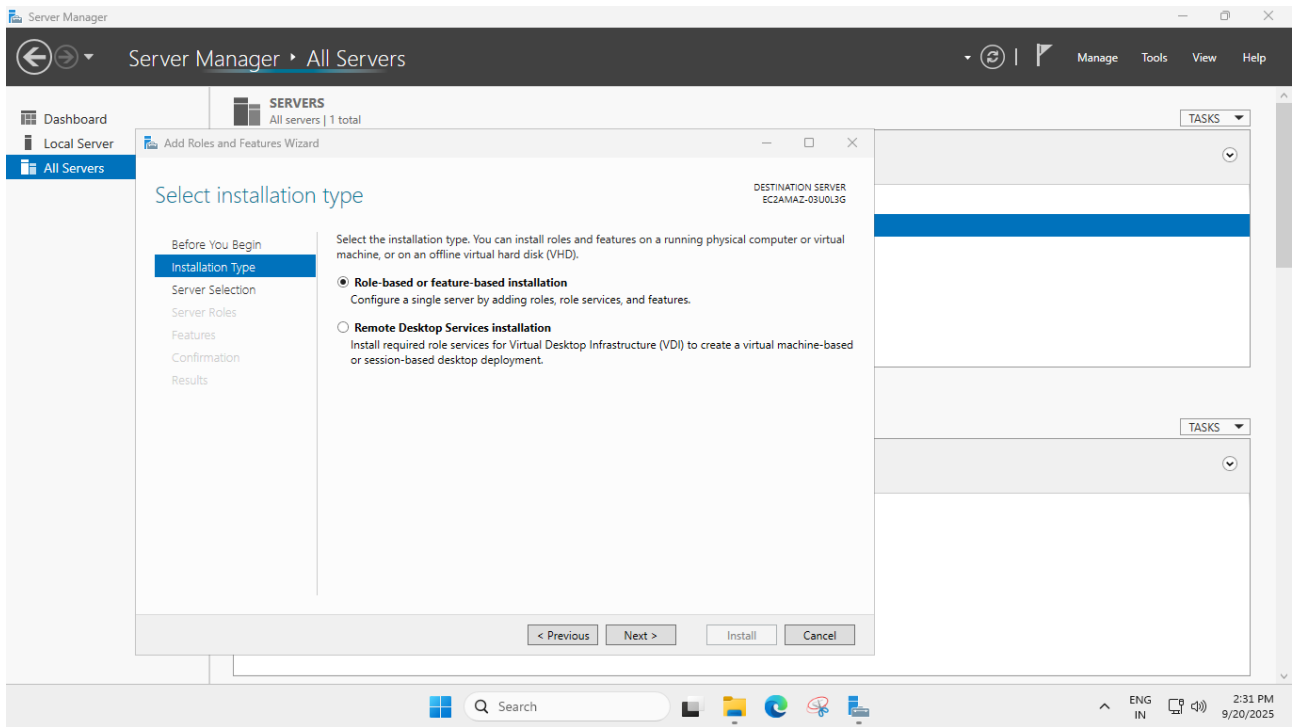
CloudShell Feedback

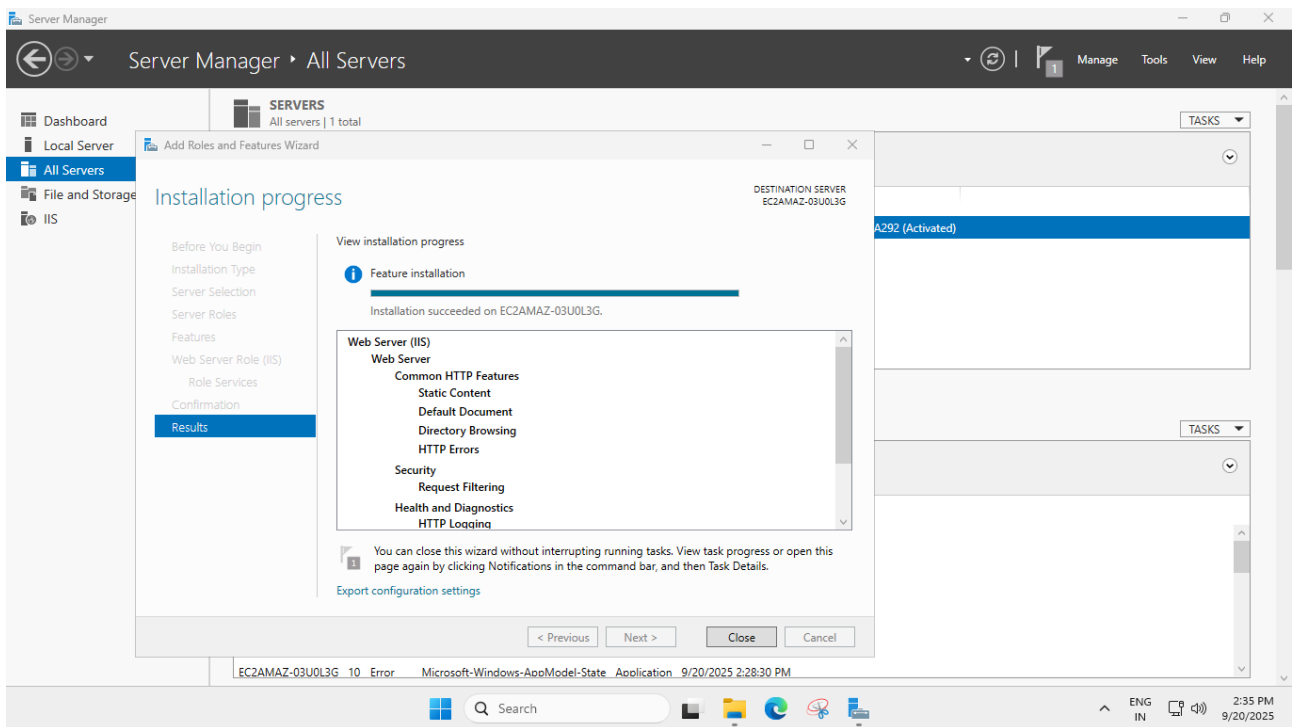
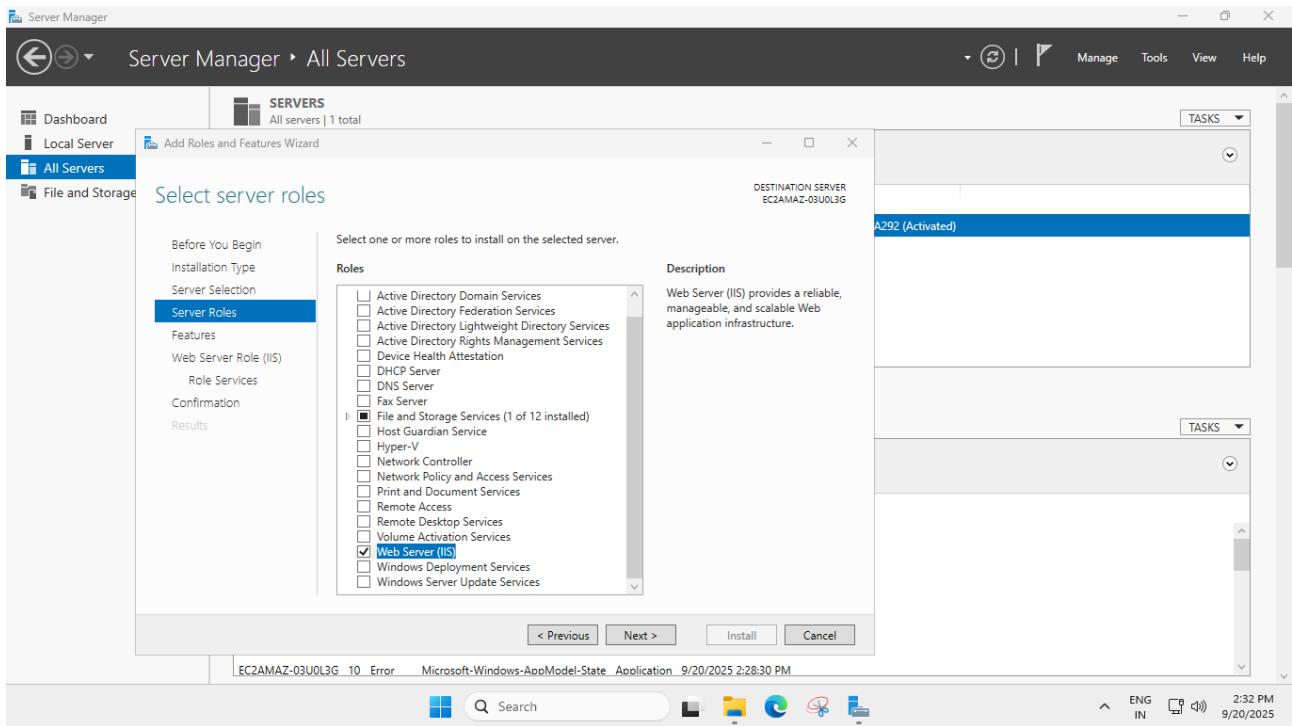
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i connect windows server instance via rdp







Availability Zone | Info

ap-south-1c

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Account ID: 7362-9621-5120

PRABU S R

EC2

Volumes

Create volume

1

2

3

Create volume

Info

Create an Amazon EBS volume to attach to any EC2 instance in the same Availability Zone.

Volume settings

Volume type | Info

General Purpose SSD (gp3)

Size (GiB) | Info

5

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

ap-south-1c

Instances (1/2) | Info

Refresh

Connect

Instance state

Actions

Launch instances

Find Instance by attribute or tag (case-sensitive)

All states

< 1 >

Settings

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IP
<input type="checkbox"/>	LinuxServer	i-0a60b7e279ad8e051	Running	t3.micro	3/3 checks passed	View alarms +	ap-south-1a	ec2-13-1
<input checked="" type="checkbox"/>	WindowsServer	i-0ef5feeb90daf2d94	Running	c7i-flex.large	3/3 checks passed	View alarms +	ap-south-1c	ec2-15-2

aws

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Asia Pacific (Mumbai)

Account ID: 7362-9621-5120

PRABU S R

EC2

Volumes

vol-0c1fe7d2795ad1a32

Attach volume

1

2

3

Attach volume

Info

Attach a volume to an instance to use it as you would a regular physical hard disk drive.

Basic details

Volume ID

vol-0c1fe7d2795ad1a32 (win-vol)

Availability Zone

ap-south-1c

Instance | Info

i-0ef5feeb90daf2d94 (WindowsServer) (running)

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

Device name | Info

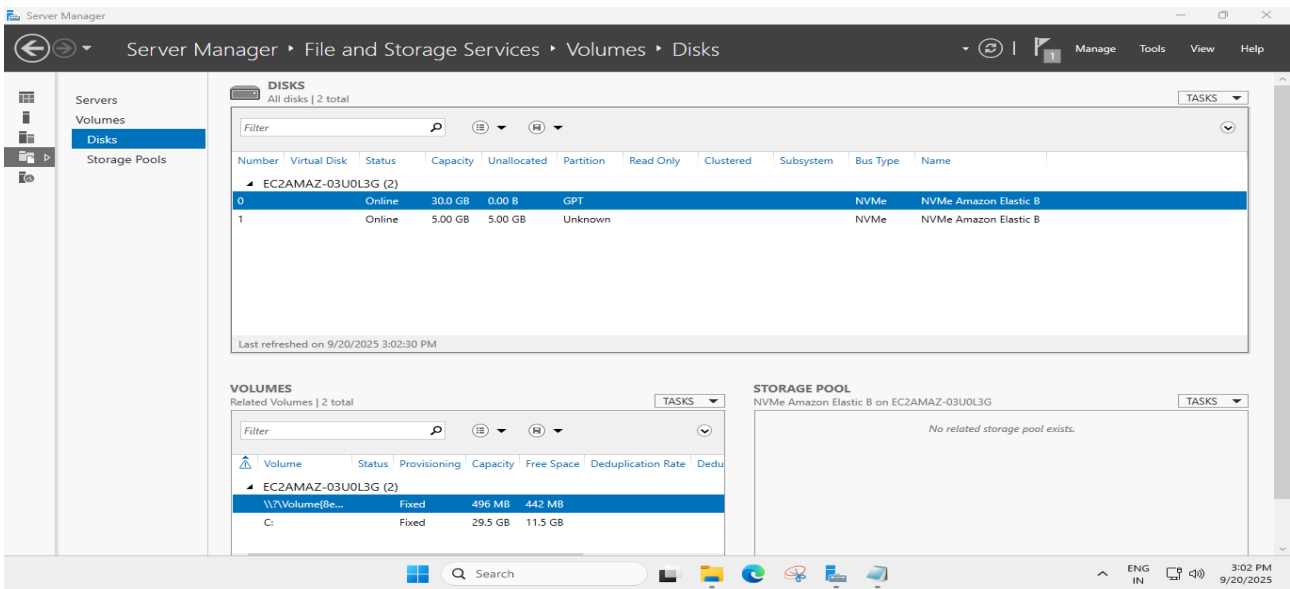
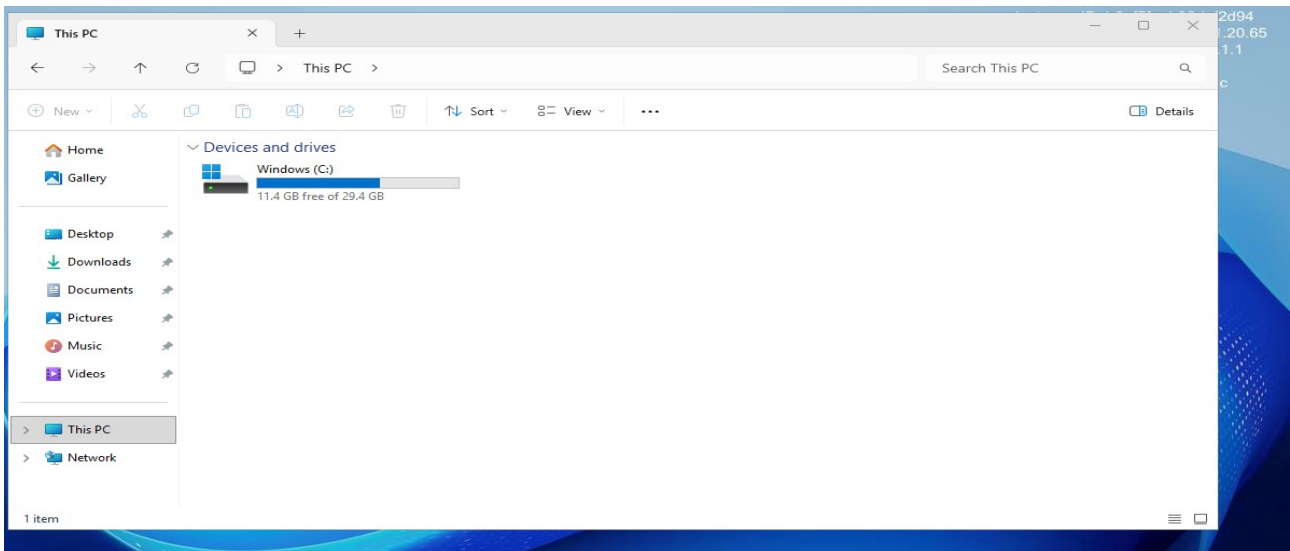
xvdf

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

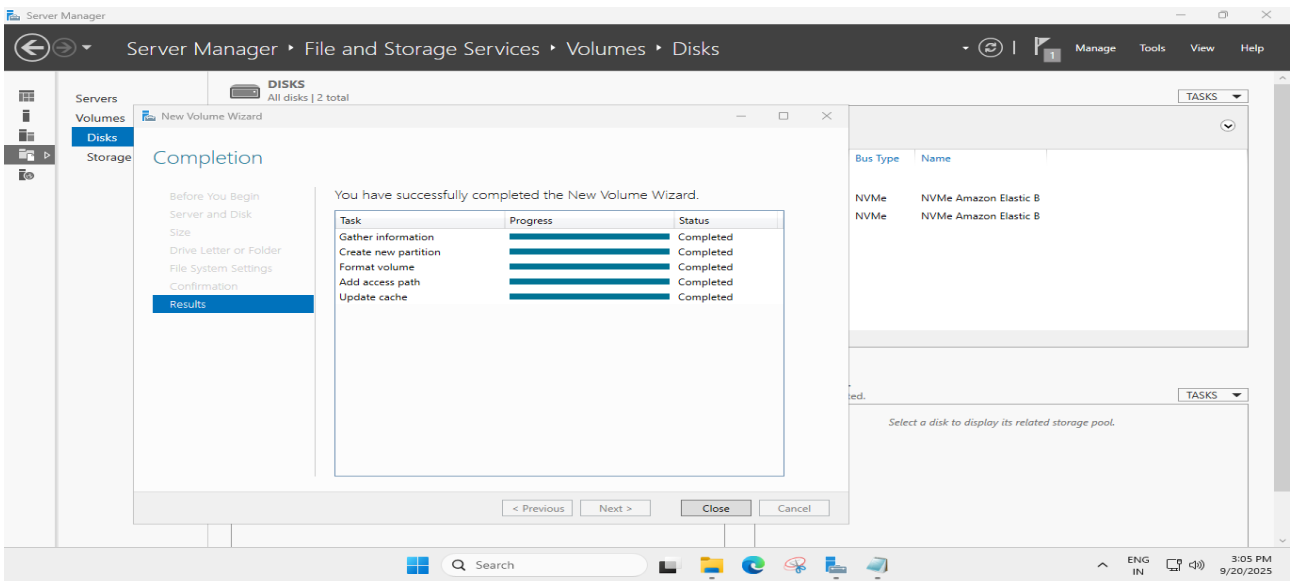
Cancel

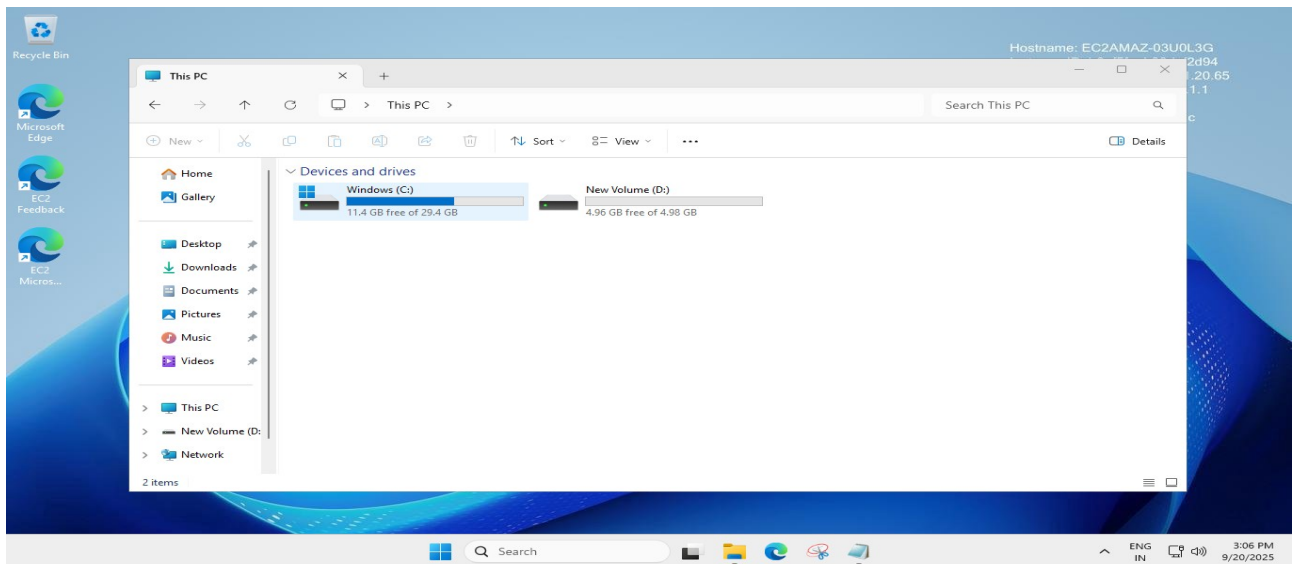
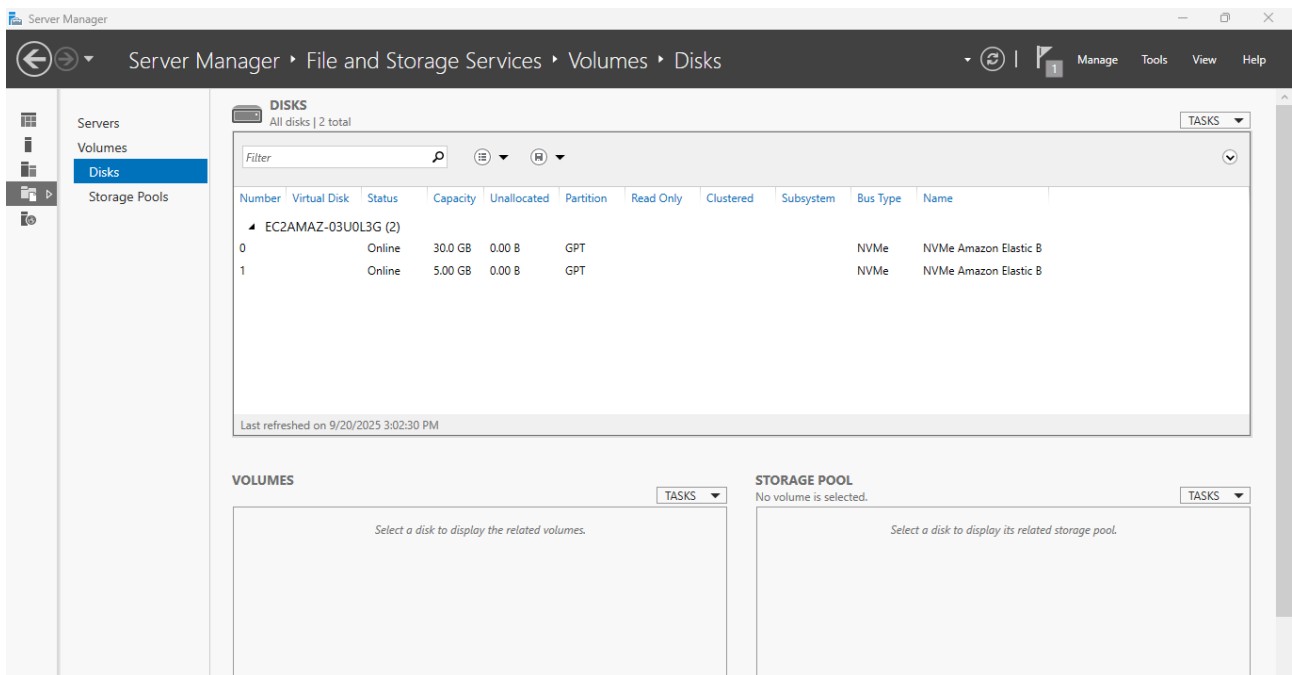
Attach volume

Successfully attached volume vol-0c1fe7d2795ad1a32 to instance i-0ef5feeb90daf2d94.



i created new volume





i created snapshot for windowserver instance.

