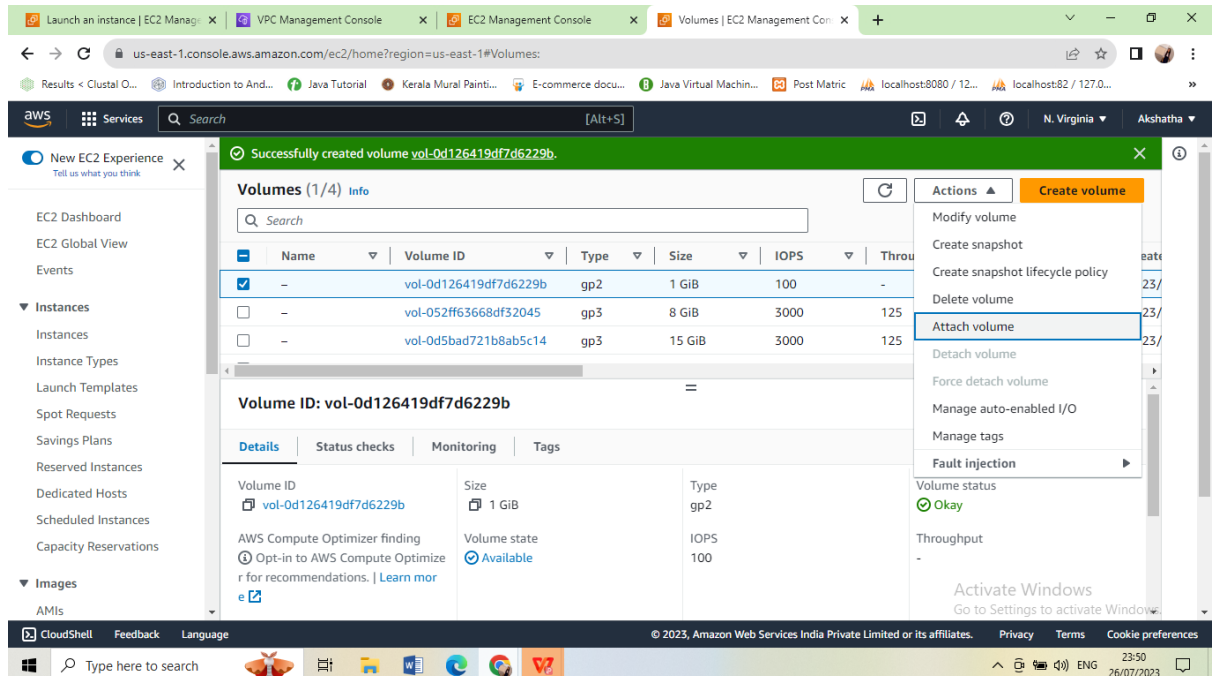


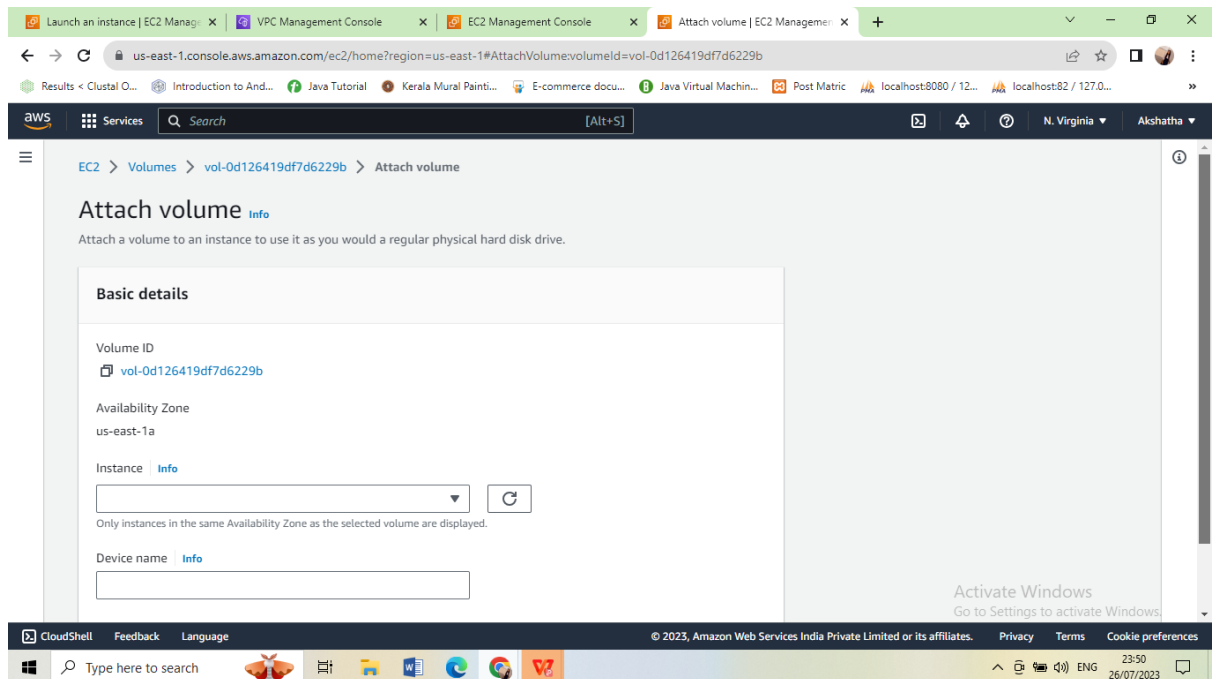
Phase5---5 Format and Mount an EBS Volume

Attaching an existing EBS volume

1. Select an existing volume and click on *Attach Volume*



2. Select the instance



Launch an instance | EC2 Manag... xVPC Management Console xEC2 Management Console xAttach volume | EC2 Managemer... +

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#AttachVolume:volumeId=vol-00effc544f0e09ea9

Results < Clustal O...Introduction to And...Java TutorialKerala Mural Painti...E-commerce docu...Java Virtual Machin...Post Matriclocalhost8080 / 12...localhost82 / 127.0...

awsServicesSearch[Alt+S]

Basic details

Volume ID

vol-00effc544f0e09ea9

Availability Zone

us-east-1c

Instance

Info

i-0d3b678d2de02dd88

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

Device name

Info

/dev/sdg

Recommended device names for Linux: /dev/sda1 for root volume, /dev/sd[f-p] for data volumes.

Newer Linux kernels may rename your devices to /dev/xvdf through /dev/xvdp internally, even when the device name entered here (and shown in the details) is /dev/sdf through /dev/sdp.

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Launch an instance | EC2 Manag... xVPC Management Console xEC2 Management Console xAttach volume | EC2 Managemer... +

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#AttachVolume:volumeId=vol-00effc544f0e09ea9

Results < Clustal O...Introduction to And...Java TutorialKerala Mural Painti...E-commerce docu...Java Virtual Machin...Post Matriclocalhost8080 / 12...localhost82 / 127.0...

awsServicesSearch[Alt+S]

Basic details

Volume ID

vol-00effc544f0e09ea9

Availability Zone

us-east-1c

Instance

Info

i-0d3b678d2de02dd88

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

Device name

Info

/dev/sdg

Recommended device names for Linux: /dev/sda1 for root volume, /dev/sd[f-p] for data volumes.

Newer Linux kernels may rename your devices to /dev/xvdf through /dev/xvdp internally, even when the device name entered here (and shown in the details) is /dev/sdf through /dev/sdp.

CancelAttach volume

Activate Windows
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Type here to search

Launch an instance | EC2 Management Console | VPC Management Console | EC2 Management Console | Volumes | EC2 Management Console

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Volumes:

Results < Clustal O... Introduction to And... Java Tutorial Kerala Mural Painti... E-commerce docu... Java Virtual Machin... Post Matric localhost8080 / 12... localhost82 / 127.0...

Services Search [Alt+S]

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AMIs

Volumes (1/4) Info

Search

Name	Volume ID	Type	Size	IOPS	Throughput	Snapshot	Create
-	vol-052ff63668df32045	gp3	8 GiB	3000	125	snap-03d6eeb...	2023/
-	vol-0d5bad721b8ab5c14	gp3	15 GiB	3000	125	-	2023/
-	vol-09ce4df54197bf8b5	gp3	8 GiB	3000	125	snap-03d6eeb...	2023/
-	vol-00effc544f0e09ea9	gp2	1 GiB	100	-	-	2023/

Volume ID: vol-00effc544f0e09ea9

Details Status checks Monitoring Tags

Volume ID: vol-00effc544f0e09ea9 Size: 1 GiB Type: gp2 Volume status: Ok

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Type here to search

Click on instance

Launch an instance | EC2 Management Console | VPC Management Console | EC2 Management Console | Instances | EC2 Management Console

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Instances:instanceId=i-0d3b678d2de02dd88

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Volumes
Snapshots
Lifecycle Manager

Network & Security
Security Groups
Elastic IPs
Placement Groups

Instances (1/1) Info

Find instance by attribute or tag (case-sensitive)

Instance ID: i-0d3b678d2de02dd88 Clear filters

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
MYLABEC2-1	i-0d3b678d2de02dd88	Running	t2.micro	2/2 checks passed	No alarms	us-east-1c

Instance: i-0d3b678d2de02dd88 (MYLABEC2-1)

Block devices

Filter block devices

Volume ID	Device name	Volume size (GiB)	Attachment status	Attachment time	Encrypted	K
vol-052ff63668df32045	/dev/xvda	8	Attached	2023/07/26 10:40 GMT+5:30	No	-
vol-0d5bad721b8ab5c14	/dev/sdf	15	Attached	2023/07/26 15:51 GMT+5:30	No	-
vol-00effc544f0e09ea9	/dev/sdg	1	Attached	2023/07/26 23:57 GMT+5:30	No	-

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Mounting the EBS volume

Deploy Spring Boot AWS x Volumes | EC2 Management x EC2 Management Console x 54.84.30.175 x Route tables | VPC Managem... x +

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Volumes:

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aws Services Search [Alt+S]

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Successfully created volume vol-0c845a609280f676d.

Volumes (1/2) Info

Search

Name	Volume ID	Type	Size	IOPS	Throughput	Snapshot	Create
-	vol-0c845a609280f676d	gp3	15 GiB	3000	125	-	2023/
-	vol-052ff63668df32045	gp3	8 GiB	3000	125	snap-03d6eeb...	2023/

Volume ID: vol-0c845a609280f676d

Details Status checks Monitoring Tags

Volume ID: vol-0c845a609280f676d
Size: 15 GiB
Type: gp3
Volume status: Okay
IOPS: 3000
Throughput: 125

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MYLAB-KEY-PAIR.pem ^

Type here to search

ChatGPT x Attach volume | EC2 Manage x EC2 Management Console x 54.84.30.175 x Route tables | VPC Managem... x +

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Instances:

Results < Clustal O... Introduction to And... Java Tutorial Kerala Mural Painti... E-commerce docu... Java Virtual Machin... Post Matric localhost8080 / 12... localhost82 / 127.0...

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Scheduled Instances
Capacity Reservations

Instances (1/1) Info

Find instance by attribute or tag (case-sensitive)

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
MYLABEC2-1	i-0d3b678d2de02dd88	Running	t2.micro	2/2 checks passed	No alarms	us-east-1c

Instance: i-0d3b678d2de02dd88 (MYLABEC2-1)

FILESYSTEM DEVICES

Volume ID	Device name	Volume size (GiB)	Attachment status	Attachment time	Encrypted	K
vol-052ff63668df32045	/dev/xvda	8	Attached	2023/07/26 10:40 GMT+5:30	No	-
vol-0d5bad721b8ab5c14	/dev/sdf	15	Attached	2023/07/26 15:51 GMT+5:30	No	-

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MYLAB-KEY-PAIR.pem ^

Type here to search

Extra volume is created

Now check with command prompt

df -h

```
ec2-user@ip-172-31-89-130:~$ ssh -i MYLAB-KEY-PAIR.pem ec2-user@ec2-54-84-30-175.compute-1.amazonaws.com
Amazon Linux 2023
https://aws.amazon.com/linux/amazon-linux-2023

Last login: Wed Jul 26 09:32:04 2023 from 223.186.91.87
[ec2-user@ip-172-31-89-130 ~]$ df -h
Filesystem      Size  Used Avail Use% Mounted on
devtmpfs        4.0M   0  4.0M   0% /dev
tmpfs           475M   0  475M   0% /dev/shm
tmpfs           190M  2.9M  188M   2% /run
/dev/xvda1      8.0G  1.6G  6.5G  20% /
tmpfs           475M   0  475M   0% /tmp
tmpfs           95M    0   95M   0% /run/user/1000
[ec2-user@ip-172-31-89-130 ~]$ client_loop: send disconnect: Connection reset

C:\Users\Akshatha\Downloads>C:\Windows\System32\OpenSSH\ssh.exe -i MYLAB-KEY-PAIR.pem ec2-user@ec2-54-84-30-175.compute-1.amazonaws.com
Amazon Linux 2023
https://aws.amazon.com/linux/amazon-linux-2023

Last login: Wed Jul 26 10:04:19 2023 from 223.186.91.87
[ec2-user@ip-172-31-89-130 ~]$ df -h
Filesystem      Size  Used Avail Use% Mounted on
devtmpfs        4.0M   0  4.0M   0% /dev
tmpfs           475M   0  475M   0% /dev/shm
tmpfs           190M  2.9M  188M   2% /run
/dev/xvda1      8.0G  1.6G  6.5G  20% /
tmpfs           475M   0  475M   0% /tmp
tmpfs           95M    0   95M   0% /run/user/1000
[ec2-user@ip-172-31-89-130 ~]$
```

Activate Windows
Go to Settings to activate Windows.

```
ec2-user@ip-172-31-89-130:~$ ls /dev/sdf
/dev/sdf
[ec2-user@ip-172-31-89-130 ~]$
```

Activate Windows
Go to Settings to activate Windows.

```
ec2-user@ip-172-31-89-130:~$ ls /dev/sdf
/dev/sdf
ec2-user@ip-172-31-89-130:~$ ls /dev/saaaaa
ls: cannot access '/dev/saaaaa': No such file or directory
ec2-user@ip-172-31-89-130:~$ ls /dev/sdf
/dev/sdf
ec2-user@ip-172-31-89-130:~$
```

Activate Windows
Go to Settings to activate Windows.

Type here to search

16:00
26/07/2023

```
ec2-user@ip-172-31-89-130:~$ ls /dev/sdf
/dev/sdf
ec2-user@ip-172-31-89-130:~$ ls /dev/saaaaa
ls: cannot access '/dev/saaaaa': No such file or directory
ec2-user@ip-172-31-89-130:~$ ls /dev/sdf
/dev/sdf
ec2-user@ip-172-31-89-130:~$ df -h /dev/sdf
Filesystem      Size  Used Avail Use% Mounted on
devtmpfs        4.0M   0  4.0M   0% /dev
ec2-user@ip-172-31-89-130:~$ lsblk
NAME        MAJ:MIN RM  SIZE RO TYPE MOUNTPOINTS
xvda       202:0    0    8G  0 disk
└─xvda1    202:1    0    8G  0 part /
└─xvda127 259:0    0   1M  0 part
└─xvda128 259:1    0   10M 0 part
xvdf       202:80   0   15G  0 disk
ec2-user@ip-172-31-89-130:~$
```

Activate Windows
Go to Settings to activate Windows.

Type here to search

16:04
26/07/2023

```
Select ec2-user@ip-172-31-89-130:~
[ec2-user@ip-172-31-89-130 ~]$ ls /dev/sdf
/dev/sdf
[ec2-user@ip-172-31-89-130 ~]$ ls /dev/saaaaa
ls: cannot access '/dev/saaaaa': No such file or directory
[ec2-user@ip-172-31-89-130 ~]$ ls /dev/sdf
/dev/sdf
[ec2-user@ip-172-31-89-130 ~]$ df -h /dev/sdf
Filesystem      Size  Used Avail Use% Mounted on
devtmpfs        4.0M   0  4.0M   0% /dev
[ec2-user@ip-172-31-89-130 ~]$ lsblk
NAME        MAJ:MIN RM  SIZE RO TYPE MOUNTPOINTS
xvda        202:0    0    8G  0 disk
├─xvda1     202:1    0    8G  0 part /
├─xvda127   259:0    0   1M  0 part
└─xvda128   259:1    0  10M  0 part
xvdf        202:80   0   15G  0 disk
[ec2-user@ip-172-31-89-130 ~]$
```

Activate Windows
Go to Settings to activate Windows.

Type here to search

16:04
26/07/2023

```
Select ec2-user@ip-172-31-89-130:~
[ec2-user@ip-172-31-89-130 ~]$ ls /dev/sdf
/dev/sdf
[ec2-user@ip-172-31-89-130 ~]$ ls /dev/saaaaa
ls: cannot access '/dev/saaaaa': No such file or directory
[ec2-user@ip-172-31-89-130 ~]$ ls /dev/sdf
/dev/sdf
[ec2-user@ip-172-31-89-130 ~]$ df -h /dev/sdf
Filesystem      Size  Used Avail Use% Mounted on
devtmpfs        4.0M   0  4.0M   0% /dev
[ec2-user@ip-172-31-89-130 ~]$ lsblk
NAME        MAJ:MIN RM  SIZE RO TYPE MOUNTPOINTS
xvda        202:0    0    8G  0 disk
├─xvda1     202:1    0    8G  0 part /
├─xvda127   259:0    0   1M  0 part
└─xvda128   259:1    0  10M  0 part
xvdf        202:80   0   15G  0 disk
[ec2-user@ip-172-31-89-130 ~]$ mkfs -t ext4 /dev/xvdf_
[ec2-user@ip-172-31-89-130 ~]$
```

Activate Windows
Go to Settings to activate Windows.

Type here to search

16:07
26/07/2023

```
ec2-user@ip-172-31-89-130:~$ ls /dev/sdf
/dev/sdf
[ec2-user@ip-172-31-89-130 ~]$ ls /dev/saaaaa
ls: cannot access '/dev/saaaaa': No such file or directory
[ec2-user@ip-172-31-89-130 ~]$ ls /dev/sdf
/dev/sdf
[ec2-user@ip-172-31-89-130 ~]$ df -h /dev/sdf
Filesystem      Size  Used Avail Use% Mounted on
devtmpfs        4.0M   0  4.0M   0% /dev
[ec2-user@ip-172-31-89-130 ~]$ lsblk
NAME        MAJ:MIN RM  SIZE RO TYPE MOUNTPOINTS
xvda        202:0    0    8G  0 disk
├─xvda1     202:1    0    8G  0 part /
├─xvda127   259:0    0    1M  0 part
├─xvda128   259:1    0   10M  0 part
└─xvdf      202:80   0   15G  0 disk
[ec2-user@ip-172-31-89-130 ~]$ mkfs -t ext4 /dev/xvdf_
```

Activate Windows
Go to Settings to activate Windows.

```
ec2-user@ip-172-31-89-130:~$ ls /dev/sdf
/dev/sdf
[ec2-user@ip-172-31-89-130 ~]$ ls /dev/saaaaa
ls: cannot access '/dev/saaaaa': No such file or directory
[ec2-user@ip-172-31-89-130 ~]$ ls /dev/sdf
/dev/sdf
[ec2-user@ip-172-31-89-130 ~]$ df -h /dev/sdf
Filesystem      Size  Used Avail Use% Mounted on
devtmpfs        4.0M   0  4.0M   0% /dev
[ec2-user@ip-172-31-89-130 ~]$ lsblk
NAME        MAJ:MIN RM  SIZE RO TYPE MOUNTPOINTS
xvda        202:0    0    8G  0 disk
├─xvda1     202:1    0    8G  0 part /
├─xvda127   259:0    0    1M  0 part
├─xvda128   259:1    0   10M  0 part
└─xvdf      202:80   0   15G  0 disk
[ec2-user@ip-172-31-89-130 ~]$ mkfs -t ext4 /dev/xvdf
mkfs.ext4 1.46.5 (30-Dec-2021)
mkfs.ext4: Permission denied while trying to determine filesystem size
[ec2-user@ip-172-31-89-130 ~]$ lsblk
NAME        MAJ:MIN RM  SIZE RO TYPE MOUNTPOINTS
xvda        202:0    0    8G  0 disk
├─xvda1     202:1    0    8G  0 part /
├─xvda127   259:0    0    1M  0 part
├─xvda128   259:1    0   10M  0 part
└─xvdf      202:80   0   15G  0 disk
[ec2-user@ip-172-31-89-130 ~]$ sudo mkdir /newvolume
[ec2-user@ip-172-31-89-130 ~]$ sudo mount /dev/xvdf /newvolume
```

Activate Windows
Go to Settings to activate Windows.


```
Volume: X Your VPC: X Subnet: X Your VPC: X VPC M: X 54.165. X ec2-54- X
E:/training/Simplilearn/ESD_Trainer_PPT_Phases_III_Update/ESD_Trainer_PPT_5_Updated/ESD_Trainer_PPT_5/0.1%20Trainer%20PPT/7.SI
acing Cloud_EC2_S3_Bucket_and_EBS_Volume.pdf 29 / 145 - /5% + [ ] [ ]
T: Select ec2-user@ip-10-0-40-12/newvolume
mke2fs 1.46.5 (30-Dec-2021)
Creating filesystem with 3932160 4k blocks and 983040 inodes
Filesystem UUID: 9356f151-cd25-4e2e-9984-b4162820c3cc
Superblock backups stored on blocks:
    32768, 98304, 163840, 229376, 294912, 819200, 884736, 1605632, 2654208

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

[ec2-user@ip-10-0-40-12 ~]$ lsblk
NAME        MAJ:MIN RM SIZE RO TYPE MOUNTPOINTS
xvda        202:0    0  8G  0 disk
├─xvda1     202:1    0  8G  0 part /
├─xvda127   259:0    0  1M  0 part
└─xvda128   259:1    0  10M  0 part
xvdf        202:80   0  15G  0 disk
[ec2-user@ip-10-0-40-12 ~]$ sudo mkdir /newvolume
[ec2-user@ip-10-0-40-12 ~]$ sudo mount /dev/xvdf /newvolume/
[ec2-user@ip-10-0-40-12 ~]$ cd /newvoulume
-bash: cd: /newvoulume: No such file or directory
[ec2-user@ip-10-0-40-12 ~]$ cd /newvolume/
[ec2-user@ip-10-0-40-12 newvolume]$ lsblk
NAME        MAJ:MIN RM SIZE RO TYPE MOUNTPOINTS
xvda        202:0    0  8G  0 disk
├─xvda1     202:1    0  8G  0 part /
├─xvda127   259:0    0  1M  0 part
└─xvda128   259:1    0  10M  0 part
xvdf        202:80   0  15G  0 disk /newvolume
[ec2-user@ip-10-0-40-12 newvolume]$
```