

The screenshot shows the AWS Management Console for the 'ap-south-1' region. The main content area displays a list of EC2 instances. One instance, named 'storage' with ID 'i-09d68d6f1d785ae52', is shown in a 'Running' state. The instance type is 't2.micro' and it is in the 'Initializing' status check phase. The left sidebar provides navigation links for various EC2 services, including Instance Types, Launch Templates, and Spot Requests. The top navigation bar includes the AWS logo, a search bar, and the user's name 'The Eshwar Kanna'.

The screenshot shows the AWS Management Console for the 'ap-south-1' region, specifically the EC2 Instance Connect terminal. The terminal displays the output of the 'fdisk' command, showing the creation of a new partition of type 'Linux' and size 1 GiB. The instance ID 'i-09d68d6f1d785ae52' and its public/private IP addresses are also visible. The terminal output includes the following text:

```
Created a new DOS disklabel with disk identifier 0x3dc6a804.
Command (m for help): n
Partition type
   p   primary (0 primary, 0 extended, 4 free)
   e   extended (container for logical partitions)
Select (default p):
Using default response p.
Partition number (1-4, default 1):
First sector (2048-4194303, default 2048): w
First sector (2048-4194303, default 2048):
Last sector, +sectors or +size(K,M,G,T,P) (2048-4194303, default 4194303): +1GiB
Created a new partition 1 of type 'Linux' and of size 1 GiB.
Command (m for help): w
The partition table has been altered.
Calling ioctl() to re-read partition table.
Syncing disks.
```

Below the terminal output, the instance ID 'i-09d68d6f1d785ae52 (storage)' is displayed, along with its Public IP: 13.233.207.79 and Private IP: 172.31.38.184.

Instances | EC2 Management Co x EC2 Instance Connect x +

https://ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-09d68d6...

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```
Device      Start      End      Sectors Size Type
/dev/xvda1   4096 16777182 16773087 8G Linux filesystem
/dev/xvda128 2048      4095      2048 1M BIOS boot

Partition table entries are not in disk order.

Disk /dev/xvdb: 2 GiB, 2147483648 bytes, 4194304 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
[root@ip-172-31-38-184 ~]# fdisk /dev/xvdb

Welcome to fdisk (util-linux 2.30.2).
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Device does not contain a recognized partition table.
Created a new DOS disklabel with disk identifier 0x3dc6a804.

Command (m for help):
```

i-09d68d6f1d785ae52 (storage)

PublicIPs: 13.233.207.79 PrivateIPs: 172.31.38.184

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Connect to instance | EC2 Mana x EC2 Instance Connect x +

https://ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-09d68d6...

aws Services Search [Alt+S] Mumbai The Eshwar Kanna

```
https://aws.amazon.com/amazon-linux-2/
1 package(s) needed for security, out of 1 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-31-38-184 ~]$ sudo su -
[root@ip-172-31-38-184 ~]# fdisk -l
Disk /dev/xvda: 8 GiB, 8589934592 bytes, 16777216 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: gpt
Disk identifier: DA90AB95-8C11-4BAE-9157-C48213FBAD0C

Device      Start      End      Sectors Size Type
/dev/xvda1   4096 16777182 16773087 8G Linux filesystem
/dev/xvda128 2048      4095      2048 1M BIOS boot

Partition table entries are not in disk order.
```

i-09d68d6f1d785ae52 (storage)

PublicIPs: 13.233.207.79 PrivateIPs: 172.31.38.184

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Volumes | EC2 Management Console | EC2 Instance Connect

https://ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#Volumes:

You can now create Amazon Data Lifecycle Manager policies to automate snapshot management directly from this screen. Select the volumes to back up, and then choose **Actions**, **Create snapshot lifecycle policy**. For more information, see the [Knowledge Center article](#).

Volumes (1/5)

	Name	Volume ID	Type	Size
<input type="checkbox"/>	-	vol-089f90588dcb28af5	gp2	8 GiB
<input type="checkbox"/>	-	vol-0d56ec438efaac2f8	gp2	8 GiB
<input type="checkbox"/>	-	vol-061b9c92b1aa8d804	gp2	8 GiB
<input checked="" type="checkbox"/>	-	vol-0ce5b9d4489399cb3	gp3	2 GiB
<input type="checkbox"/>	-	vol-0661495b615af646e	gp2	8 GiB

Actions

- Modify volume
- Create snapshot
- Create snapshot lifecycle policy
- Delete volume
- Attach volume
- Detach volume
- Force detach volume
- Manage auto-enabled I/O
- Manage tags

Volume ID: vol-0ce5b9d4489399cb3

Details | Status checks | Monitoring | Tags

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Instances | EC2 Management Console | EC2 Instance Connect

https://ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=ap-south-1&connType=standard&i-

```

Disk /dev/xvdf: 2 GiB, 2147483648 bytes, 4194304 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: dos
Disk identifier: 0x3dc6a804

Device      Boot Start      End Sectors Size Id Type
/dev/xvdf1  2048 2099199 2097152  1G 83 Linux
[root@ip-172-31-37-113 ~]# mkdir /data
[root@ip-172-31-37-113 ~]# mount /dev/xvdf1 /data
[root@ip-172-31-37-113 ~]# fd
-bash: fd: command not found
[root@ip-172-31-37-113 ~]# cd /d
data/ dev/
[root@ip-172-31-37-113 ~]# cd /data/
[root@ip-172-31-37-113 data]# ls
lost+found
[root@ip-172-31-37-113 data]#

```

i-0033ab7323fa0fffd (storagebackup)

PublicIPs: 13.235.245.207 PrivateIPs: 172.31.37.113

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Instances | EC2 Management Console | EC2 Instance Connect

https://ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#Instances:instanceState=running

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Images

Instances (1/1) Info

Find instance by attribute or tag (case-sensitive)

Instance state = running X Clear filters

Connect Instance state Actions Launch instances

Name	Instance ID	Instance state	Instance type	Status check	Alarm status
staragebackup	i-0033ab7323fa0fffd	Running	t2.micro	2/2 checks passed	No alarms

Instance: i-0033ab7323fa0fffd (staragebackup)

Filter block devices

Volume ID	Device name	Volume size (GiB)	Attachment status	Attachment time
vol-0661495b615af646e	/dev/xvda	8	Attached	Fri Dec 02 2022 10:37:01 GM...
vol-0ce5b9d4489399cb3	/dev/sdf	2	Attached	Fri Dec 02 2022 10:39:15 GM...

Recent root volume replacement tasks

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Volumes | EC2 Management Console | EC2 Instance Connect

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Successfully attached volume vol-0ce5b9d4489399cb3 to instance i-0033ab7323fa0fffd.

You can now create Amazon Data Lifecycle Manager policies to automate snapshot management directly from this screen. Select the volumes to back up, and then choose Actions, Create snapshot lifecycle policy. For more information, see the Knowledge Center article.

Volumes

Search

Actions Create volume

Name	Volume ID	Type	Size	IOPS	Throughput	Snapshot
Loading volumes						

Select a volume above

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Attach volume | EC2 Management Console | EC2 Instance Connect

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

Basic details

Volume ID
vol-0ce5b9d4489399cb3

Availability Zone
ap-south-1a

Instance Info
i-0033ab7323fa0fffd

Search 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

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Volumes | EC2 Management Console | EC2 Instance Connect

You can now create Amazon Data Lifecycle Manager policies to automate snapshot management directly from this screen. Select the volumes to back up, and then choose **Actions**, **Create snapshot lifecycle policy**. For more information, see the [Knowledge Center article](#).

Volumes (1/4)

Name	Volume ID	Type	Size
-	vol-089f90588dcb28af5	gp2	8 GiB
-	vol-0d56ec438efaac2f8	gp2	8 GiB
-	vol-061b9c92b1aa8d804	gp2	8 GiB
-	vol-0ce5b9d4489399cb3	gp3	2 GiB

Actions: Modify volume, Create snapshot, Create snapshot lifecycle policy, Delete volume, Attach volume, Detach volume, Force detach volume, Manage auto-enabled I/O, Manage tags

Volume ID: vol-0ce5b9d4489399cb3

Details | Status checks | Monitoring | Tags

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EC2 Management Console | EC2 Instance Connect

https://ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#LaunchInstances:

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 is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below

[Quick Start](#)

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EC2 Management Console | EC2 Instance Connect

https://ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#Volumes:

Volumes (1/5)

	Name	Volume ID	Type	Size	IOPS	Throughput	Snapshot
<input type="checkbox"/>	-	vol-089f90588dcb28af5	gp2	8 GiB	100	-	snap-076c67c...
<input type="checkbox"/>	-	vol-0d56ec438efaac2f8	gp2	8 GiB	100	-	snap-0f0fd21...
<input type="checkbox"/>	-	vol-061b9c92b1aa8d804	gp2	8 GiB	100	-	snap-0f0fd21...
<input checked="" type="checkbox"/>	-	vol-0ce5b9d4489399cb3	gp3	2 GiB	3000	125	-
<input type="checkbox"/>	-	vol-0d4f205d528a142b4	gp2	8 GiB	100	-	snap-0f0fd21...

Volume ID: vol-0ce5b9d4489399cb3

[Details](#) | [Status checks](#) | [Monitoring](#) | [Tags](#)

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Successfully terminated i-09d68d6f1d785ae52

Instances (1/3) Info Connect Instance state Actions Launch instances

Find instance by attribute or tag (case-sensitive)

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status
<input type="checkbox"/>	httpd	i-0fb5e7ccbfdbde09c	Stopped	t2.micro	-	No alarms
<input type="checkbox"/>	Jenkins	i-03f8f2d73ea9ab53e	Stopped	t2.micro	-	No alarms
<input checked="" type="checkbox"/>	storage	i-09d68d6f1d785ae52	Terminated	t2.micro	-	No alarms

Instance: i-09d68d6f1d785ae52 (storage)

Details Security Networking Storage Status checks Monitoring Tags

▼ Instance summary Info

Instance ID i-09d68d6f1d785ae52 (storage)	Public IPv4 address -	Private IPv4 addresses -
IPv6 address -	Instance state Terminated	Public IPv4 DNS -

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Instances | EC2 Management Co x EC2 Instance Connect x +

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Instances (1/3) Info Connect Instance state Actions Launch instances

Find instance by attribute or tag (case-sensitive)

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status
<input type="checkbox"/>	httpd	i-0fb5e7ccbfdbde09c	Stopped	t2.micro	-	No alarms
<input type="checkbox"/>	Jenkins	i-03f8f2d73ea9ab53e	Stopped	t2.micro	-	No alarms
<input checked="" type="checkbox"/>	storage	i-09d68d6f1d785ae52	Running	t2.micro	-	No alarms

Instance: i-09d68d6f1d785ae52 (storage)

Details Security Networking Storage Status checks Monitoring Tags

▼ Instance summary Info

Instance ID i-09d68d6f1d785ae52 (storage)	Public IPv4 address -	Private IPv4 addresses -
IPv6 address -	Instance state Running	Public IPv4 DNS -

Are you sure you want to terminate these instances?

On an EBS-backed instance, the default action is for the root EBS volume to be deleted when the instance is terminated. Storage on any local drives will be lost.

i-09d68d6f1d785ae52 (storage)

Clean up associated resources

Associated resources may incur costs after these instances are terminated.

► Delete EBS volumes

To confirm that you want to terminate the instances, choose the terminate button below. Terminating the instance cannot be undone.

Cancel Terminate

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Volumes | EC2 Management Console | EC2 Instance Connect

https://ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#Volumes:

You can now create Amazon Data Lifecycle Manager policies to automate snapshot management directly from this screen. Select the volumes to back up, and then choose **Actions**, **Create snapshot lifecycle policy**. For more information, see the [Knowledge Center](#) article.

Volumes (1/5)

	Name	Volume ID	Type	Size	IOPS	Throughput	Snapshot
<input type="checkbox"/>	-	vol-089f90588dcb28af5	gp2	8 GiB	100	-	snap-076c67c...
<input type="checkbox"/>	-	vol-0d56ec438efaac2f8	gp2	8 GiB	100	-	snap-0f0f2d1...
<input type="checkbox"/>	-	vol-061b9c92b1aa8d804	gp2	8 GiB	100	-	snap-0f0f2d1...
<input checked="" type="checkbox"/>	-	vol-0ce5b9d4489399cb3	gp3	2 GiB	3000	125	-
<input type="checkbox"/>	-	vol-0d4f205d528a142b4	gp2	8 GiB	100	-	snap-0f0f2d1...

Volume ID: vol-0ce5b9d4489399cb3

Details | Status checks | Monitoring | Tags

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Instances | EC2 Management Console | EC2 Instance Connect

https://ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-09d68d6...

```

Superblock backups stored on blocks:
32768, 98304, 163840, 229376

Allocating group tables: done
Writing inode tables: done
Creating journal (8192 blocks): done
Writing superblocks and filesystem accounting information: done

[root@ip-172-31-38-184 ~]# mkdir /mydrive
[root@ip-172-31-38-184 ~]# mount /dev/xvdb1 /mydrive/
[root@ip-172-31-38-184 ~]# df
Filesystem      1K-blocks    Used Available Use% Mounted on
devtmpfs        485312         0   485312    0% /dev
tmpfs           494456         0   494456    0% /dev/shm
tmpfs           494456      472   493984    1% /run
tmpfs           494456         0   494456    0% /sys/fs/cgroup
/dev/xvda1      8376300 1635568   6740732   20% /
tmpfs           98892         0    98892    0% /run/user/1000
tmpfs           98892         0    98892    0% /run/user/0
/dev/xvdb1      996780      24   927944    1% /mydrive
[root@ip-172-31-38-184 ~]#

```

i-09d68d6f1d785ae52 (storage)

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```
/dev/xvdb1      2048 2099199 2097152    1G 83 Linux
[root@ip-172-31-38-184 ~]# mkfs.ext4 /dev/xvdb1
mke2fs 1.42.9 (28-Dec-2013)
Filesystem label=
OS type: Linux
Block size=4096 (log=2)
Fragment size=4096 (log=2)
Stride=0 blocks, Stripe width=0 blocks
65536 inodes, 262144 blocks
13107 blocks (5.00%) reserved for the super user
First data block=0
Maximum filesystem blocks=268435456
8 block groups
32768 blocks per group, 32768 fragments per group
8192 inodes per group
Superblock backups stored on blocks:
    32768, 98304, 163840, 229376

Allocating group tables: done
Writing inode tables: done
Creating journal (8192 blocks): done
```

i-09d68d6f1d785ae52 (storage)

PublicIPs: 13.233.207.79 PrivateIPs: 172.31.38.184

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```
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: gpt
Disk identifier: DA90AB95-8C11-4BAE-9157-C48213FBAD0C

Device      Start      End  Sectors Size Type
/dev/xvda1   4096 16777182 16773087    8G Linux filesystem
/dev/xvda128 2048      4095      2048    1M BIOS boot

Partition table entries are not in disk order.

Disk /dev/xvdb: 2 GiB, 2147483648 bytes, 4194304 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: dos
Disk identifier: 0x3dc6a804

Device      Boot Start      End  Sectors Size Id Type
/dev/xvdb1   2048 2099199 2097152    1G 83 Linux
[root@ip-172-31-38-184 ~]#
```

i-09d68d6f1d785ae52 (storage)

PublicIPs: 13.233.207.79 PrivateIPs: 172.31.38.184

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