

MIS 6389.002

12. Storage-EBS

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Screenshot of EC2 with new volume attached (/dev/sdf)

The screenshot displays the AWS Management Console interface for an EC2 instance named 'Lab' (Instance ID: i-0be21a36537f069ae). The instance is in a 'Running' state and is located in the 'us-east-1a' Availability Zone. The 'Storage' tab is selected, showing the 'Block devices' section. A new EBS volume (Volume ID: vol-01856581ea9338972) is attached to the instance at the device path '/dev/sdf'. The volume is 1 GiB in size, is encrypted, and has a KMS key ID of '-'. The attachment status is 'Attached'.

Volume ID	Device name	Volume size (GiB)	Attachment status	Attachment time	Encrypted	KMS key ID	Delete
vol-0f3a9455d4121271e	/dev/xvda	8	Attached	2023/10/13 22:15 GMT-5	No	-	Yes
vol-01856581ea9338972	/dev/sdf	1	Attached	2023/10/13 22:20 GMT-5	No	-	No

Figure 1 This is a deliverable

[illegible]

The image shows a terminal window and an AWS console page. The terminal window displays the following commands and output:

```
ec2-user@ip-172-31-39-61:~$ df -h
Filesystem      Size  Used Avail Use% Mounted on
tmpfs           477M  412K  476M   1% /run
tmpfs           477M    0  477M   0% /sys/fs/cgroup
/dev/xvda1      8.0G  1.9G  6.2G  24% /
tmpfs           96M    0   96M   0% /run/user/1000
/dev/xvdf       975M  60K  924M   1% /mnt/data-store
[ec2-user@ip-172-31-39-61 ~]$ sudo mkfs -t ext3 /dev/sdf
mke2fs 1.42.9 (28-Dec-2013)
/dev/sdf is mounted; will not make a filesystem here!
[ec2-user@ip-172-31-39-61 ~]$ sudo mount /dev/sdf /mnt/data-store
mount: /mnt/data-store: /dev/xvdf already mounted on /mnt/data-store.
[ec2-user@ip-172-31-39-61 ~]$ df -h
Filesystem      Size  Used Avail Use% Mounted on
devtmpfs        468M    0  468M   0% /dev
tmpfs           477M    0  477M   0% /dev/shm
tmpfs           477M  412K  476M   1% /run
tmpfs           477M    0  477M   0% /sys/fs/cgroup
/dev/xvda1      8.0G  1.9G  6.2G  24% /
tmpfs           96M    0   96M   0% /run/user/1000
/dev/xvdf       975M  60K  924M   1% /mnt/data-store
[ec2-user@ip-172-31-39-61 ~]$ sudo sh -c "echo some text has been written > /mnt/data-store/file.txt"
[ec2-user@ip-172-31-39-61 ~]$ cat /mnt/data-store/file.txt
some text has been written
[ec2-user@ip-172-31-39-61 ~]$
```

The AWS console page shows the instance details for "ec2-54-91-70-217.compute-1.amazonaws.com". The instance is in the "Running" state. The console also shows the option to "Connect" to the instance and the "Instance state" dropdown menu.

File deleted output

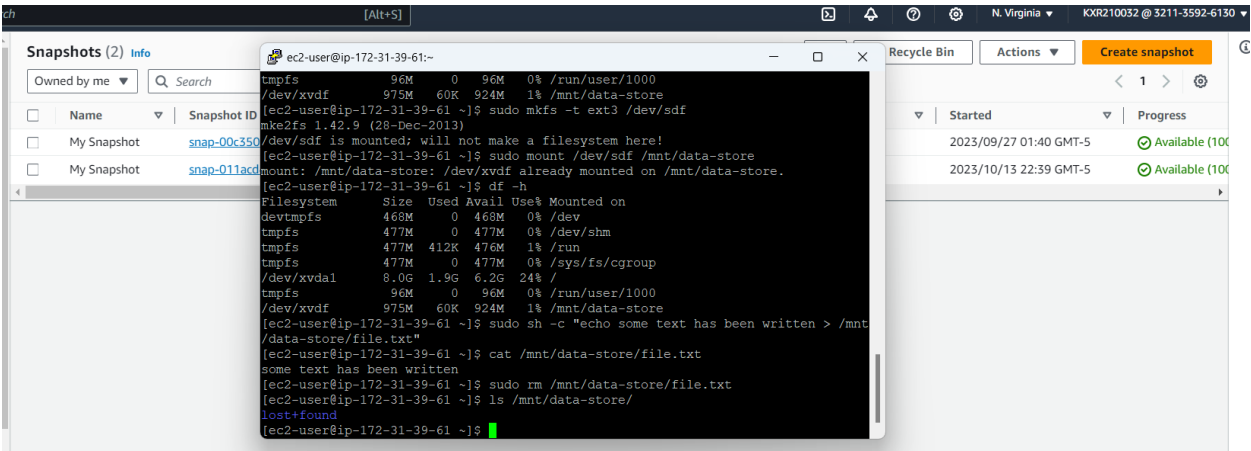


Figure 4 This is a deliverable

Output of restored volume

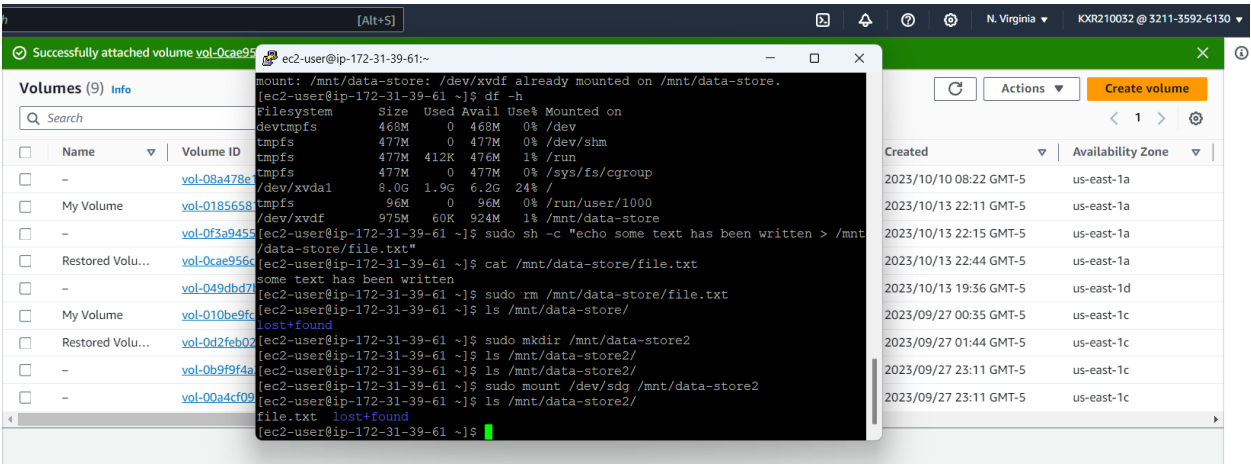


Figure 5 This is a deliverable