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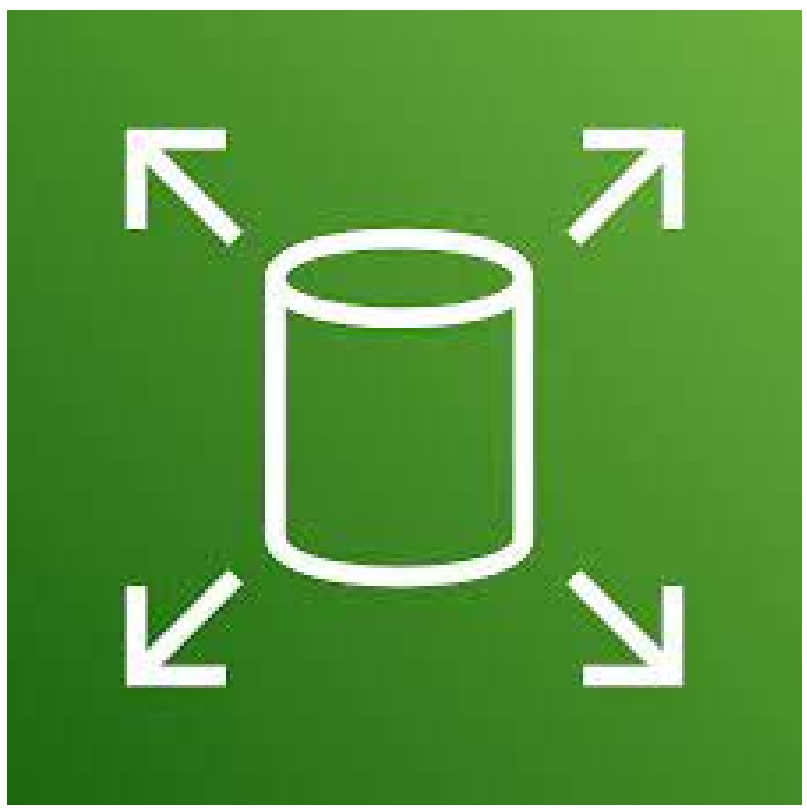
# Lab - AWS re/Start

## Trabajo con Amazon EBS



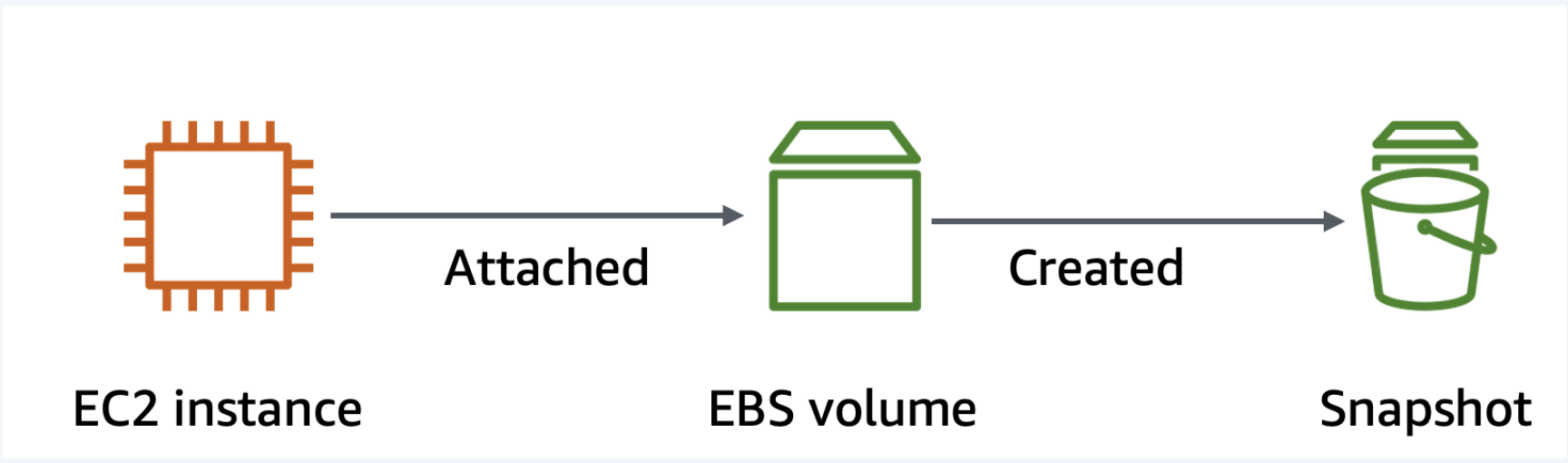
SWIPE

Tarea 01

# Interactuando con Amazon EBS

Los objetivos son:

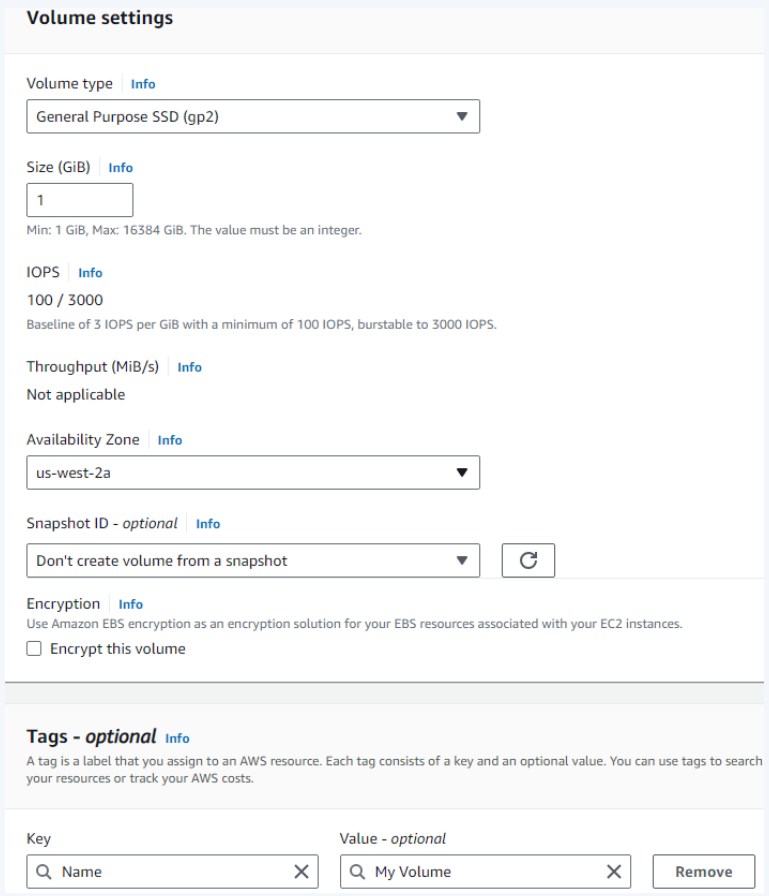
- Crear un volumen EBS.
- Adjuntar y montar un volumen EBS a una instancia EC2.
- Creación de una instantánea de un volumen EBS.
- Creación de un volumen EBS a partir de una instantánea.

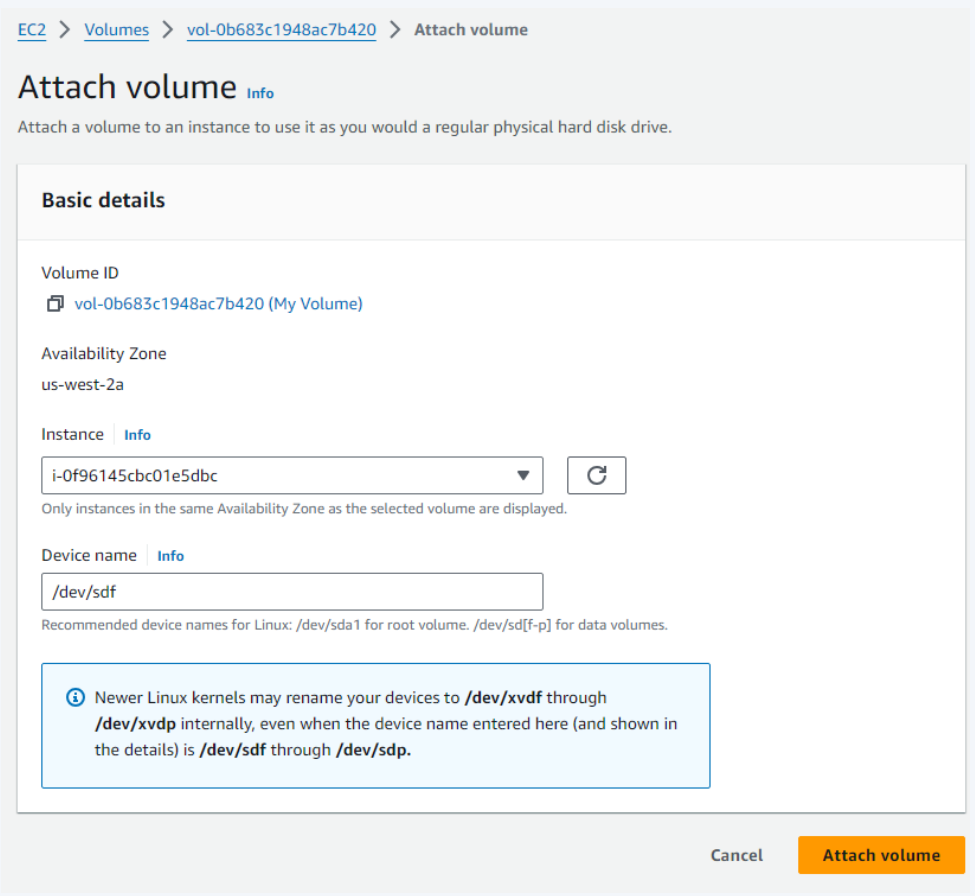



SWIPE

# Tarea 01

## Empezamos creando un volumen EBS




## Después de montar el volumen EBS a nuestra instancia:

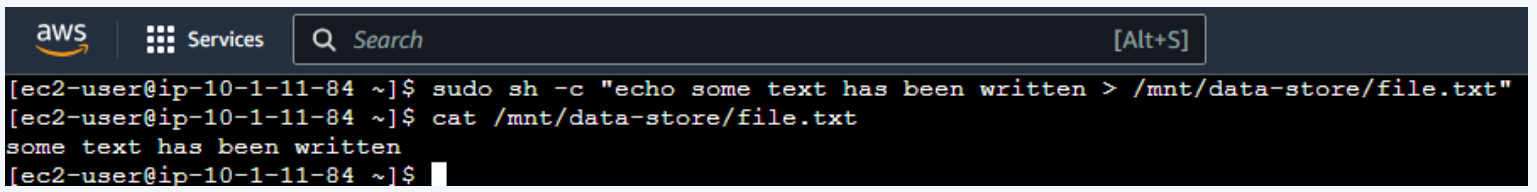
```
[ec2-user@ip-10-1-11-84 ~]$ df -h
Filesystem      Size  Used Avail Use% Mounted on
devtmpfs        465M     0  465M   0% /dev
tmpfs           473M     0  473M   0% /dev/shm
tmpfs           473M  464K  472M   1% /run
tmpfs           473M     0  473M   0% /sys/fs/cgroup
/dev/nvme0n1p1  8.0G  1.6G  6.5G  20% /
tmpfs            95M     0   95M   0% /run/user/0
tmpfs            95M     0   95M   0% /run/user/1000
[ec2-user@ip-10-1-11-84 ~]$ sudo mkfs -t ext3 /dev/sdf
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
Writing superblocks and filesystem accounting information: done

[ec2-user@ip-10-1-11-84 ~]$
```

```
[ec2-user@ip-10-1-11-84 ~]$ sudo mkdir /mnt/data-store
[ec2-user@ip-10-1-11-84 ~]$ sudo mount /dev/sdf /mnt/data-store
[ec2-user@ip-10-1-11-84 ~]$ echo "/dev/sdf   /mnt/data-store ext3 defaults,noatime 1 2" | sudo tee -a /etc/fstab
/dev/sdf   /mnt/data-store ext3 defaults,noatime 1 2
[ec2-user@ip-10-1-11-84 ~]$ cat /etc/fstab
#
UUID=54c25061-a380-4c86-b6d3-e0e6cdd7f106     /           xfs    defaults,noatime  1   1
/dev/sdf   /mnt/data-store ext3 defaults,noatime 1 2
[ec2-user@ip-10-1-11-84 ~]$ df -h
Filesystem      Size  Used Avail Use% Mounted on
devtmpfs        465M     0  465M   0% /dev
tmpfs           473M     0  473M   0% /dev/shm
tmpfs           473M  464K  472M   1% /run
tmpfs           473M     0  473M   0% /sys/fs/cgroup
/dev/nvme0n1p1  8.0G  1.6G  6.5G  20% /
tmpfs            95M     0   95M   0% /run/user/0
tmpfs            95M     0   95M   0% /run/user/1000
/dev/nvme1n1    975M   60K  924M   1% /mnt/data-store
[ec2-user@ip-10-1-11-84 ~]$
```

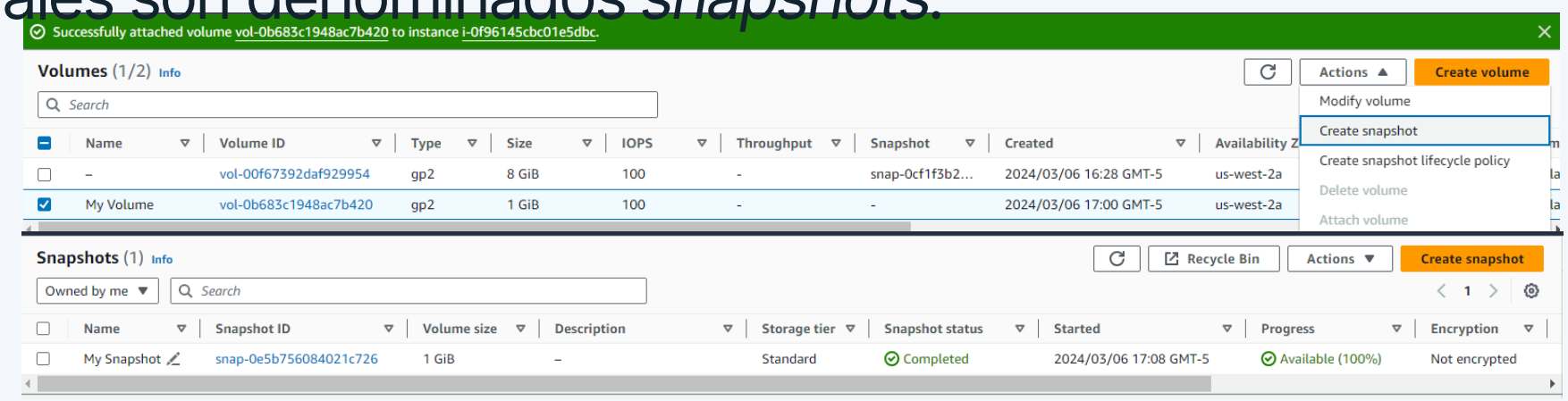
SWIPE

# Tarea 01

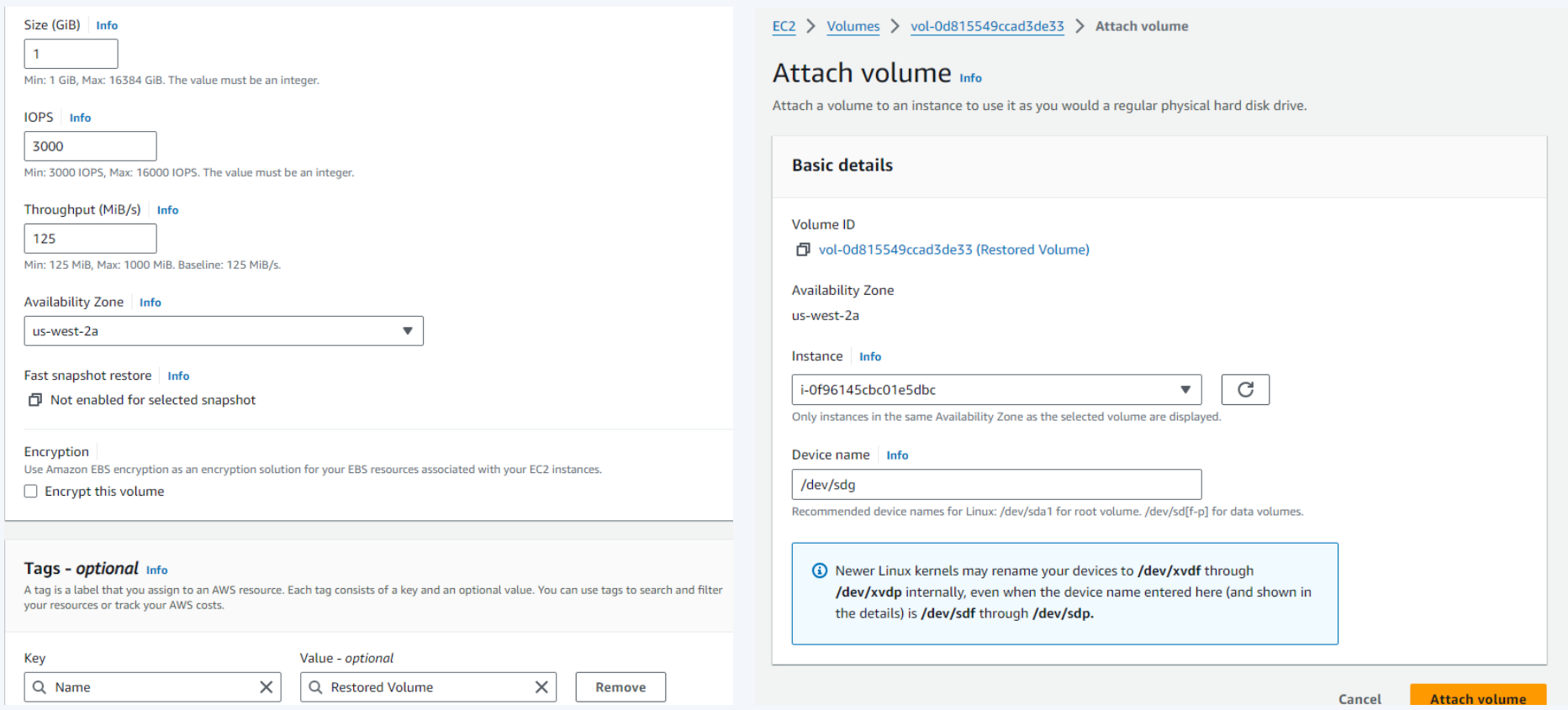
Y podemos añadir archivos al nuevo volumen de almacenamiento montado:



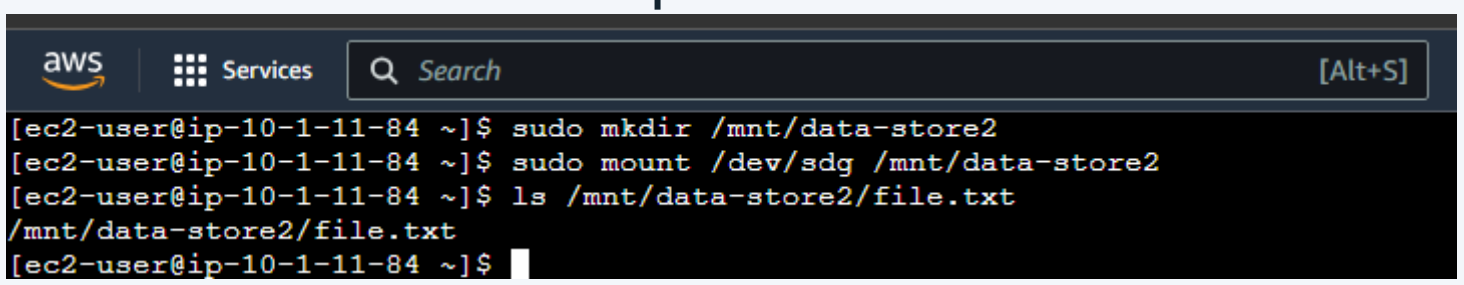

Ahora, crearemos un respaldo de este volumen EBS, los cuales son denominados *snapshots*.




Para crear un volumen EBS a partir del snapshot (respaldo).




Montamos el volumen EBS que hemos creado




SWIPE