Sesión 5 - wPráctica SSH BASH - EFS - EBS - S3

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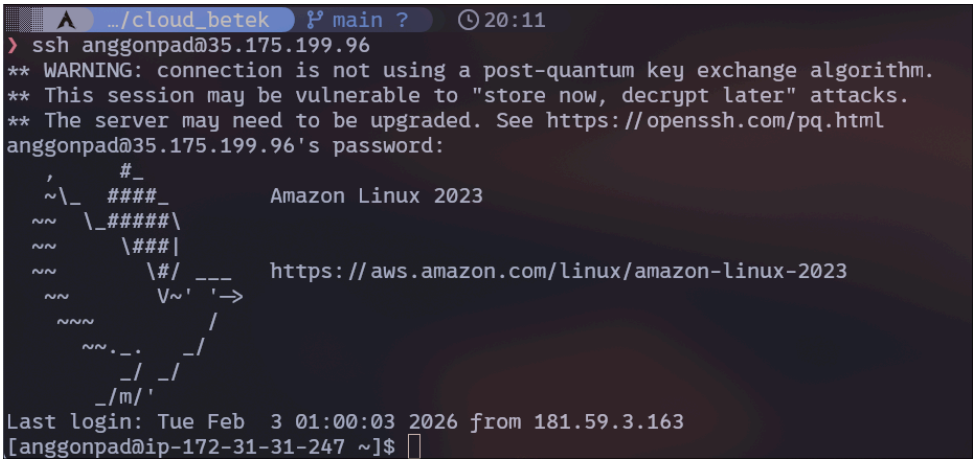
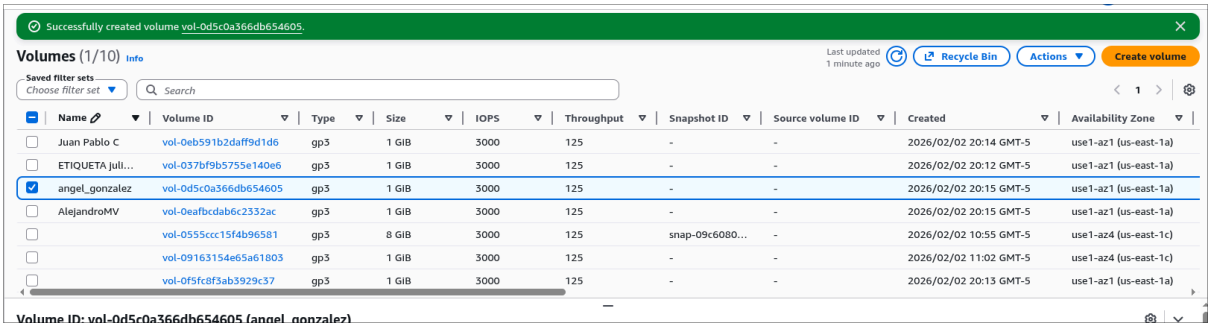
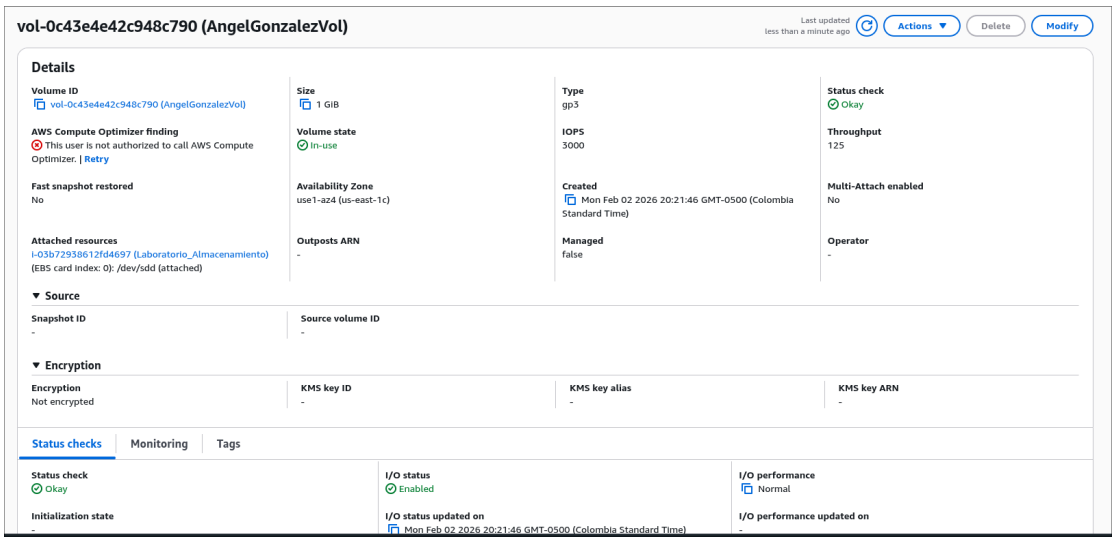
Actividad 1. Seguridad y Acceso
Se conectó a través de SSH a una instancia de EC2



Actividad 2. Almacenamiento
Se creó un volumen EBS de 1gb y se adjunto a la instancia de EC2





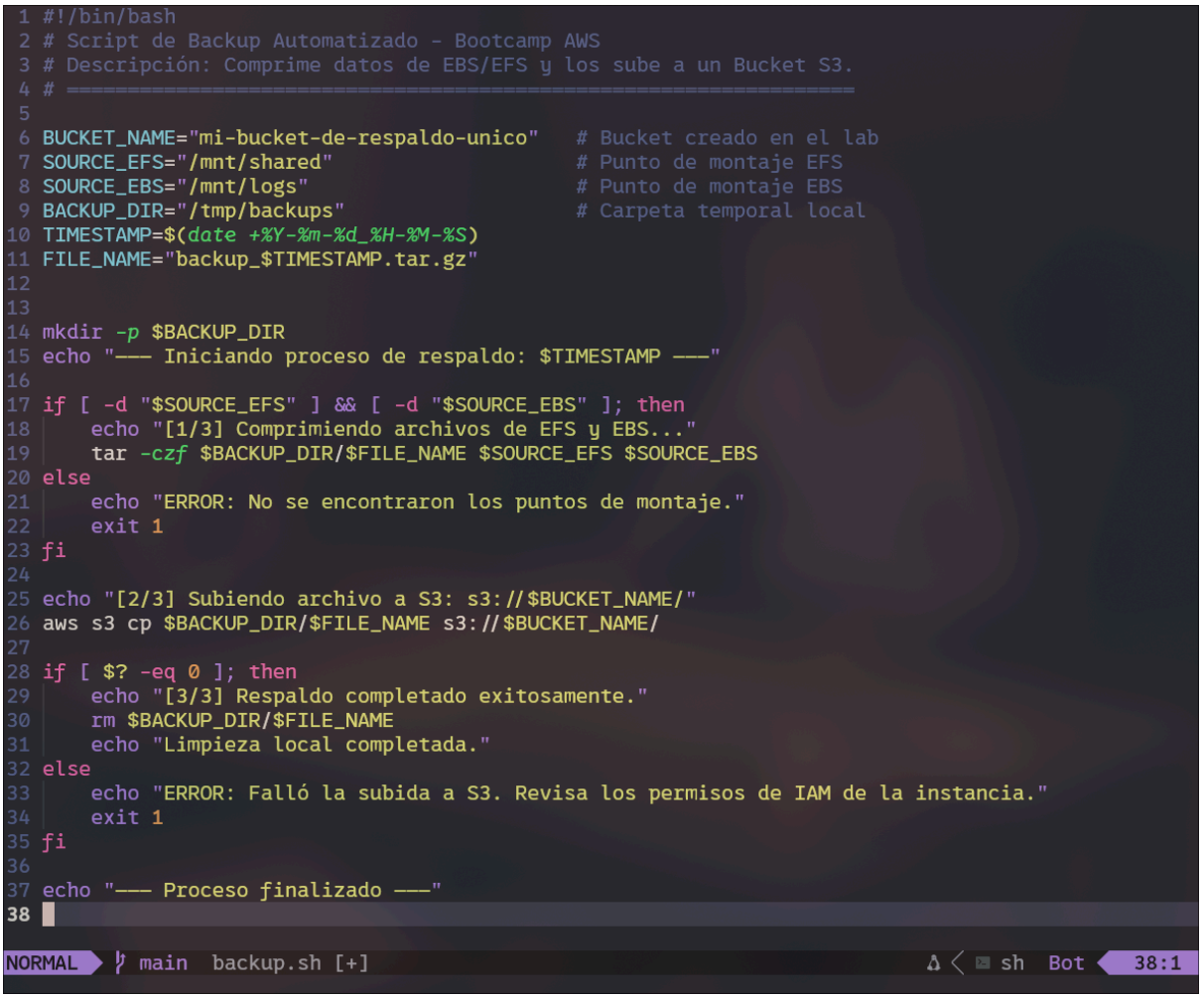
Se le dio formato xfs y se monto internamente en una carpeta llamada `/angelgonzalez`

```
         =                       reflink=1    bigtime=1 inobtcount=1 nrext64=0
         =                       exchange=0
data     =                       bsize=4096   blocks=262144, imaxpct=25
         =                       sunit=1      swidth=1 blks
naming   =version 2              bsize=4096   ascii-ci=0, ftype=1, parent=0
log      =internal log           bsize=4096   blocks=16384, version=2
         =                       sectsz=512   sunit=1 blks, lazy-count=1
realtime =none                   extsz=4096   blocks=0, rtextents=0
[anggonpad@ip-172-31-31-247 ~]$ sudo mkdir /angelgonzalez
[anggonpad@ip-172-31-31-247 ~]$ sudo mount /dev/nvme10n1 /angelgonzalez
```

```
[anggonpad@ip-172-31-31-247 ~]$ lsblk
NAME          MAJ:MIN RM  SIZE RO TYPE MOUNTPOINTS
nvme1n1       259:0    0    1G  0 disk
nvme0n1       259:1    0    8G  0 disk
├─nvme0n1p1   259:2    0    8G  0 part /
├─nvme0n1p127 259:3    0    1M  0 part
└─nvme0n1p128 259:4    0   10M  0 part /boot/efi
nvme2n1       259:5    0    1G  0 disk
nvme3n1       259:6    0    1G  0 disk /pablocastano6
nvme4n1       259:7    0    1G  0 disk /baldo542
nvme5n1       259:8    0    1G  0 disk
nvme6n1       259:9    0    1G  0 disk
nvme7n1       259:10   0    1G  0 disk
nvme8n1       259:11   0    1G  0 disk
nvme9n1       259:12   0    1G  0 disk
nvme10n1      259:13   0    1G  0 disk /angelgonzalez
nvme11n1      259:14   0    1G  0 disk /mateo
nvme12n1      259:15   0    1G  0 disk
nvme13n1      259:16   0    1G  0 disk
nvme14n1      259:17   0    1G  0 disk
nvme15n1      259:18   0    1G  0 disk
nvme16n1      259:19   0  100G  0 disk
nvme17n1      259:20   0    1G  0 disk
```

```
[anggonpad@ip-172-31-31-247 ~]$ sudo chown anggonpad /angelgonzalez/
[anggonpad@ip-172-31-31-247 ~]$ ls /angelgonzalez/
[anggonpad@ip-172-31-31-247 ~]$ touch /angelgonzalez/test.txt
[anggonpad@ip-172-31-31-247 ~]$ cd /angelgonzalez/
[anggonpad@ip-172-31-31-247 angelgonzalez]$ ls
test.txt
[anggonpad@ip-172-31-31-247 angelgonzalez]$
```

Actividad 4. Script de automatización.



```
#!/bin/bash
# Script de Backup Automatizado - Bootcamp AWS
# Descripción: Comprime datos de EBS/EFS y los sube a un Bucket S3.
# ================================================================

BUCKET_NAME="mi-bucket-de-respaldo-unico"   # Bucket creado en el lab
SOURCE_EFS="/mnt/shared"                    # Punto de montaje EFS
SOURCE_EBS="/mnt/logs"                      # Punto de montaje EBS
BACKUP_DIR="/tmp/backups"                   # Carpeta temporal local
TIMESTAMP=$(date +%Y-%m-%d_%H-%M-%S)
FILE_NAME="backup_$TIMESTAMP.tar.gz"


mkdir -p $BACKUP_DIR
echo "--- Iniciando proceso de respaldo: $TIMESTAMP ---"

if [ -d "$SOURCE_EFS" ] && [ -d "$SOURCE_EBS" ]; then
    echo "[1/3] Comprimiendo archivos de EFS y EBS..."
    tar -czf $BACKUP_DIR/$FILE_NAME $SOURCE_EFS $SOURCE_EBS
else
    echo "ERROR: No se encontraron los puntos de montaje."
    exit 1
fi

echo "[2/3] Subiendo archivo a S3: s3://$BUCKET_NAME/"
aws s3 cp $BACKUP_DIR/$FILE_NAME s3://$BUCKET_NAME/

if [ $? -eq 0 ]; then
    echo "[3/3] Respaldo completado exitosamente."
    rm $BACKUP_DIR/$FILE_NAME
    echo "Limpieza local completada."
else
    echo "ERROR: Falló la subida a S3. Revisa los permisos de IAM de la instancia."
    exit 1
fi

echo "--- Proceso finalizado ---"

NORMAL  main  backup.sh [+]                    sh  Bot  38:1
```