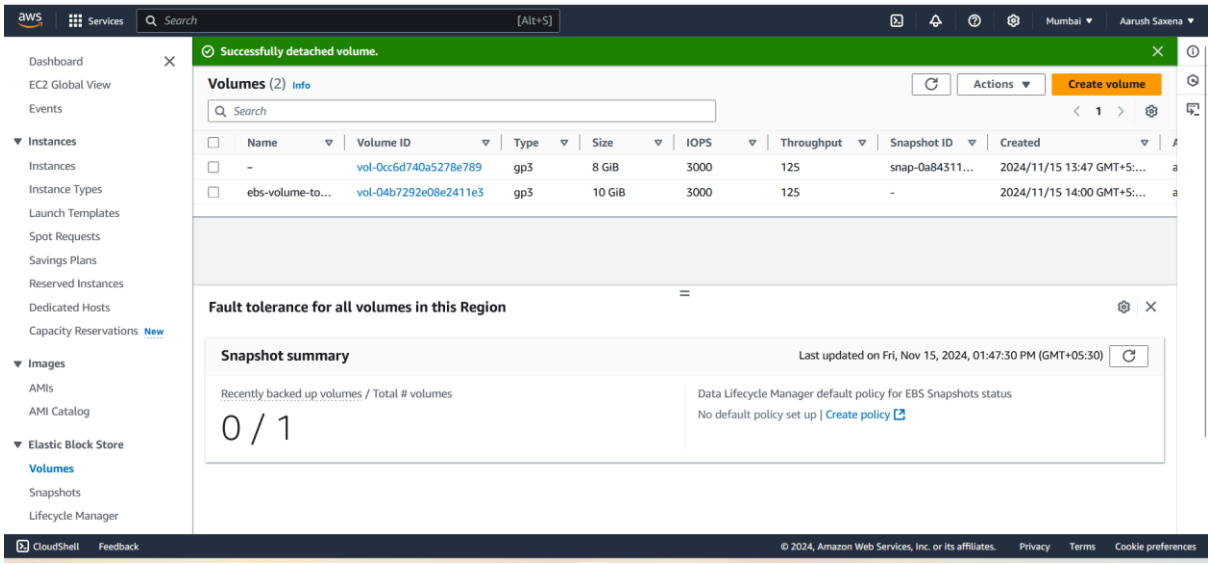
EBS(ELASTIC BLOCK STORE)

How to store data in ebs and how to attach ebs that contains data to another instance

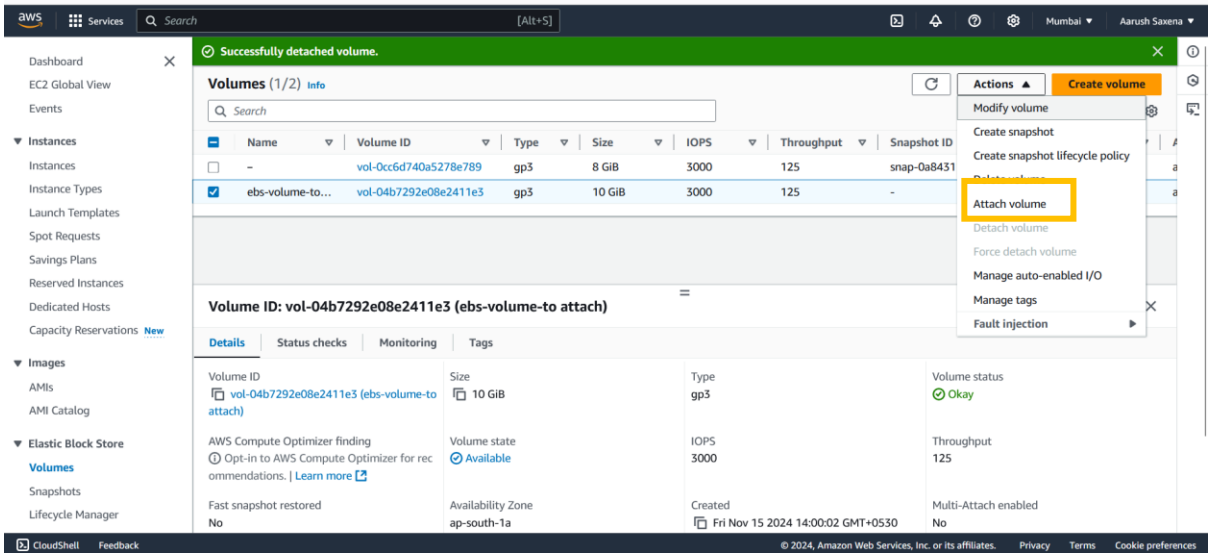
STEP1: CREATE AN INSTANCE FORM EC2

STEP2: AFTER CREATING INSTACNE GO TO VOLUMES UNDER ELASTIC BLOCK STORE OPTION

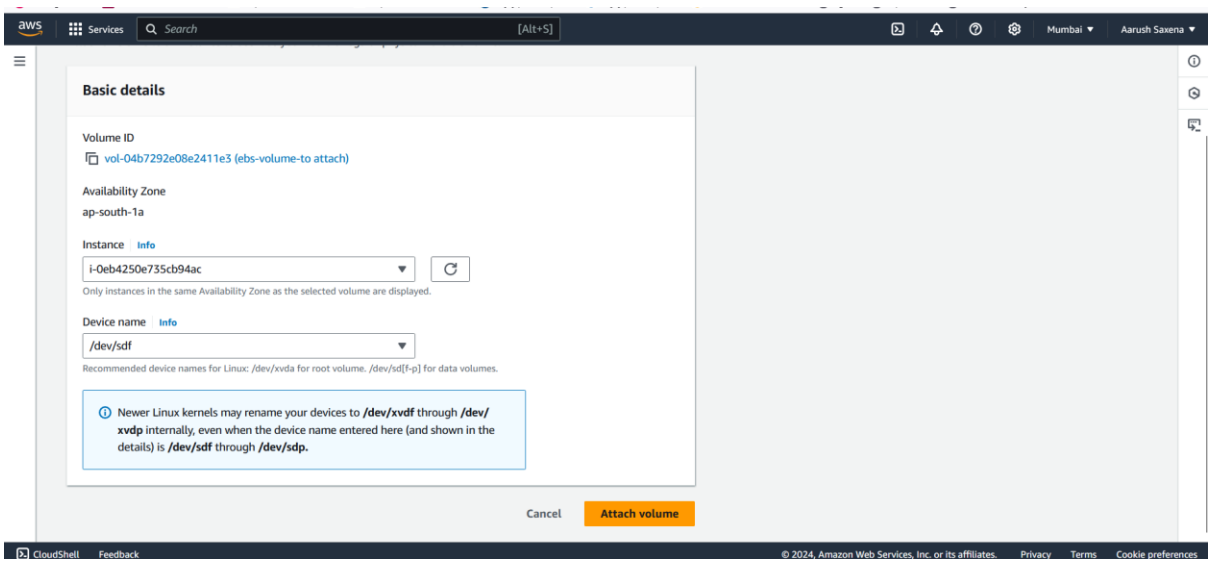


HERE YOU CAN SEE YOUR BOTH VOLUMES, WE HAVE TO ATTACH 10 GiB SIZE VOLUME TO INSTANCE .

STEP3: SELECT THAT VOLUME AND GO TO ACTIONS AND CLICK ON ATTACH VOLUME OPTION



STEP4: AFTER CLICKING ON ATTACH VOLUME A WINDOW WILL APPEAR AS SHOWN IN IMAGE GIVEN BELOW IN THIS WINDOW SELECT YOUR INSTANCE AND GIVE DEVICE NAME TO IT AND CLICK ON ATTACH VOLUME.



STEP5: GO BACK TO INSTANCES AND CONNECT IT. AFTER CONNECTING TYPE COMMANDS i.e.

- sudo su
- yum update
- lsblk
- file -s /dev/xvdf
- mkfs.ext4 /dev/xvdf
- path cd /
- mkdir /test(to create directory)
- mount /dev/xvdb /test(to store data in it)
- mountpoint /test(to check it is mount or not)

GO TO CD /TEST

CREATE SOME FILES TO STORE DATA

STEP6: STORE DATA BY CREATING FILES

ATTACH EBS VOLUME TO ANOTHER INSTANCE

FOR THAT WE HAVE TO UNMOUNT IT OR DETACH IT WITHOUT DETACH WE CAN STILL ADD EBS VOLUME TO ANOTHER INSTANCE STILL WE ARE UNMOUNT IT AND DETACH IT.

By command umount/test or by umount/dev/xvdf /test

After that we are going to terminate the instance and create new instance to attach the volume.

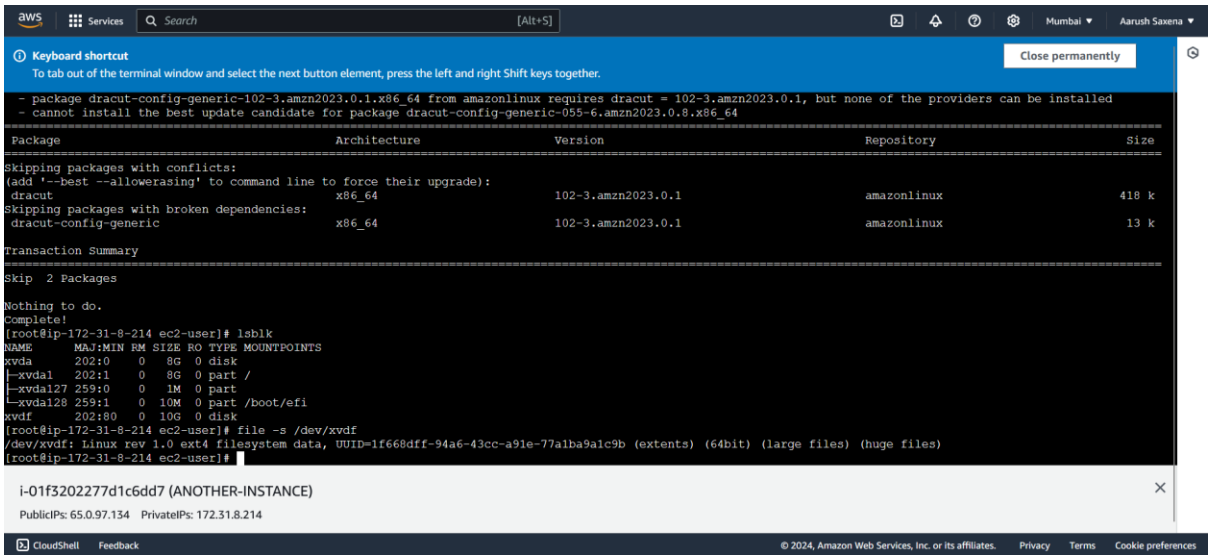
STEP7: CREATE AN INSTANCE.

STEP8: CONNECT THAT INSTANCE.

STEP9: ATTACH THAT INSTANCE WITH EBS VOLUME THAT WE HAVE MADE

STEP10: CHECK WHETHER DATA IS THERE OR NOT

FOR THAT TYPE COMMAND FILE -S /DEV/XVDF

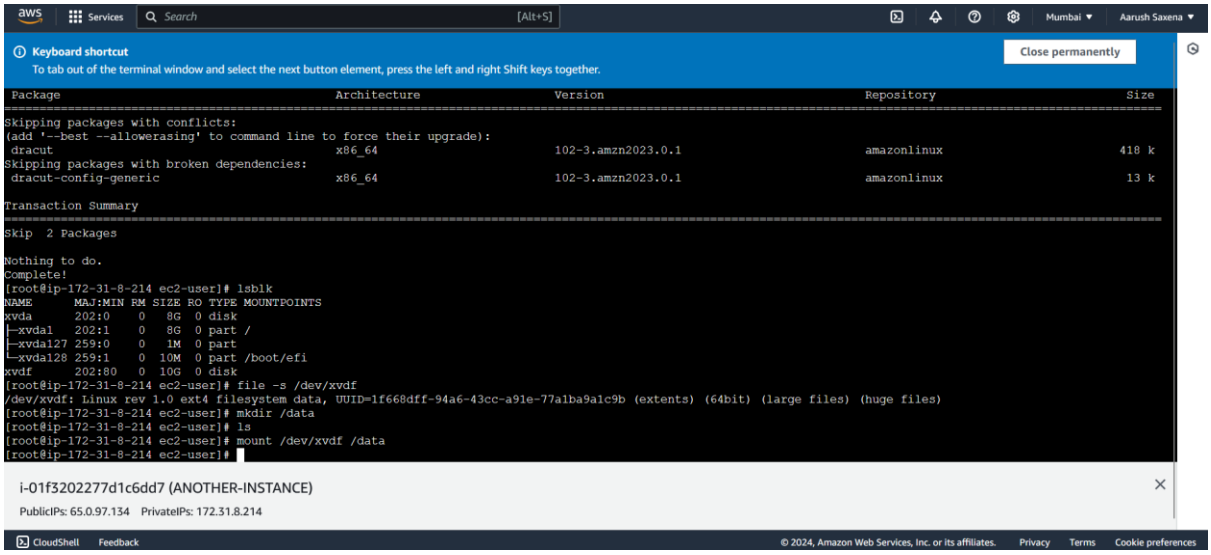


STEP11: NOW YOU CAN SEE VOLUME CONTAINS DATA SO WE CANNOT USE MKFS.EXT4 /DEV/XVDF COMMAND AS IT WILL DELETE THE DATA .

SO WE HAVE TO MAKE A DIRECTORY AND MOUNT OUR VOLUME DIRECTLY

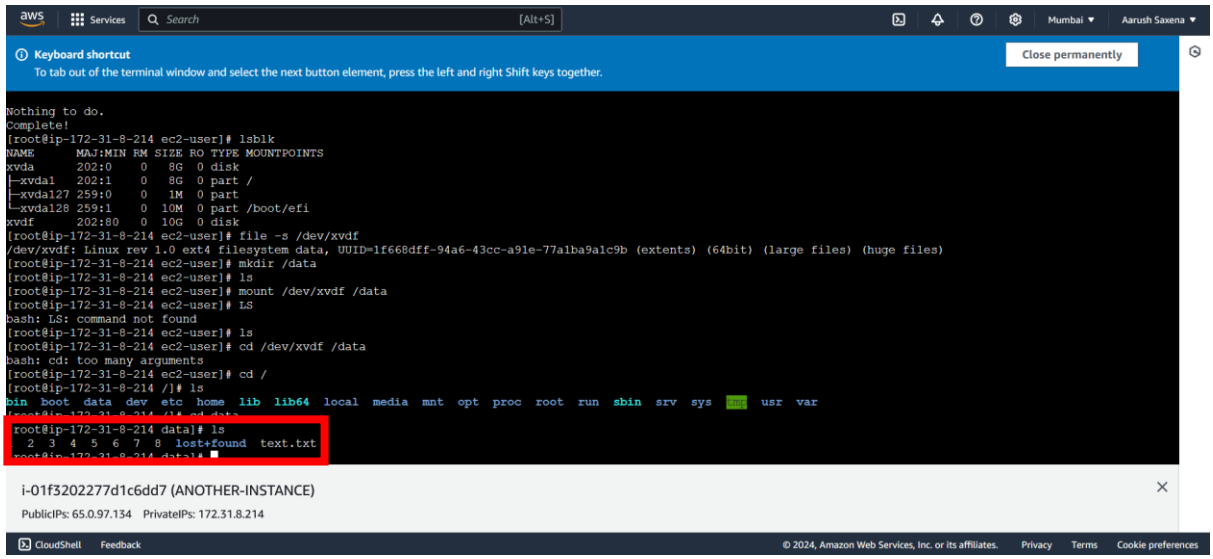
STEP12: COMMANDS ARE

- MKDIR /DATA
- MOUNT /DEV/XVDF /DATA



STEP13: NOW GO TO DATA DIRECTORY BY USING CD / COMMAND

AND YOU CAN SEE DATA DIRECTORY THERE TYPE CD DATA THAN TYPE LS COMMAND TO SEE DATA



And now you can access data.