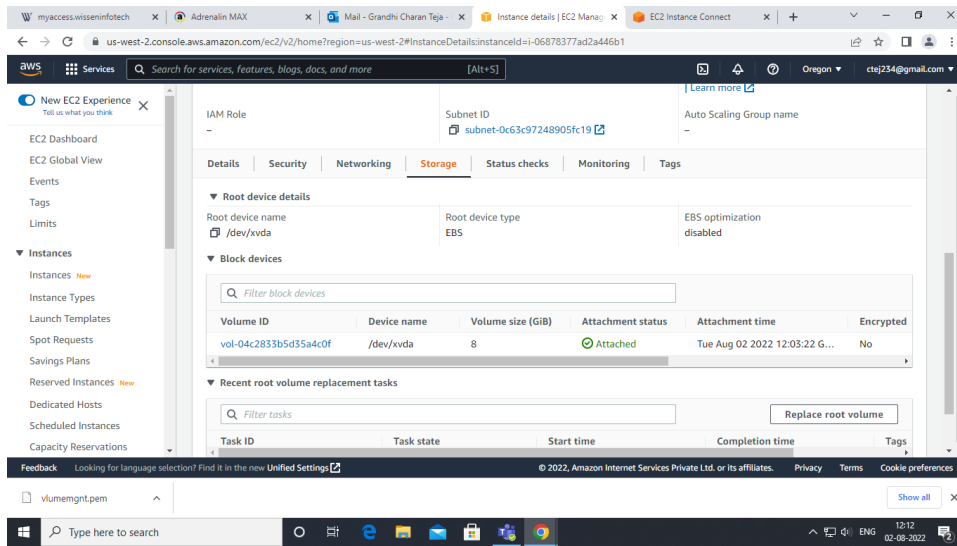
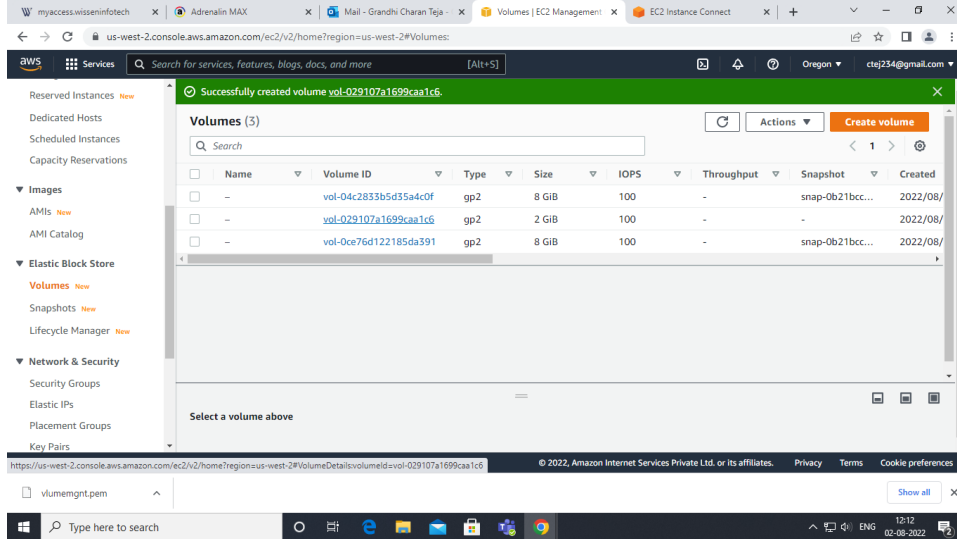


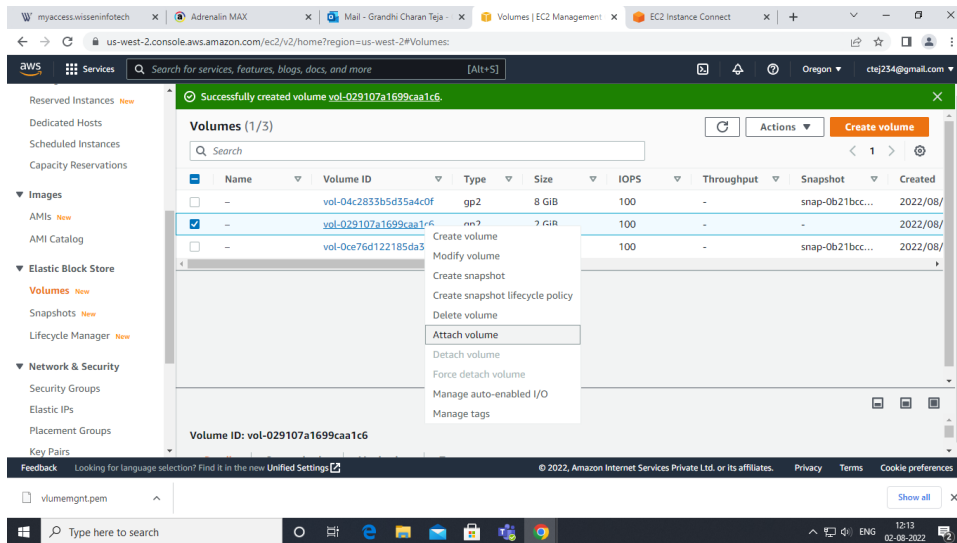
1.create an ec2 instance it is attached with root volume 8gb



2.create a volume and attach it with ec2 instance

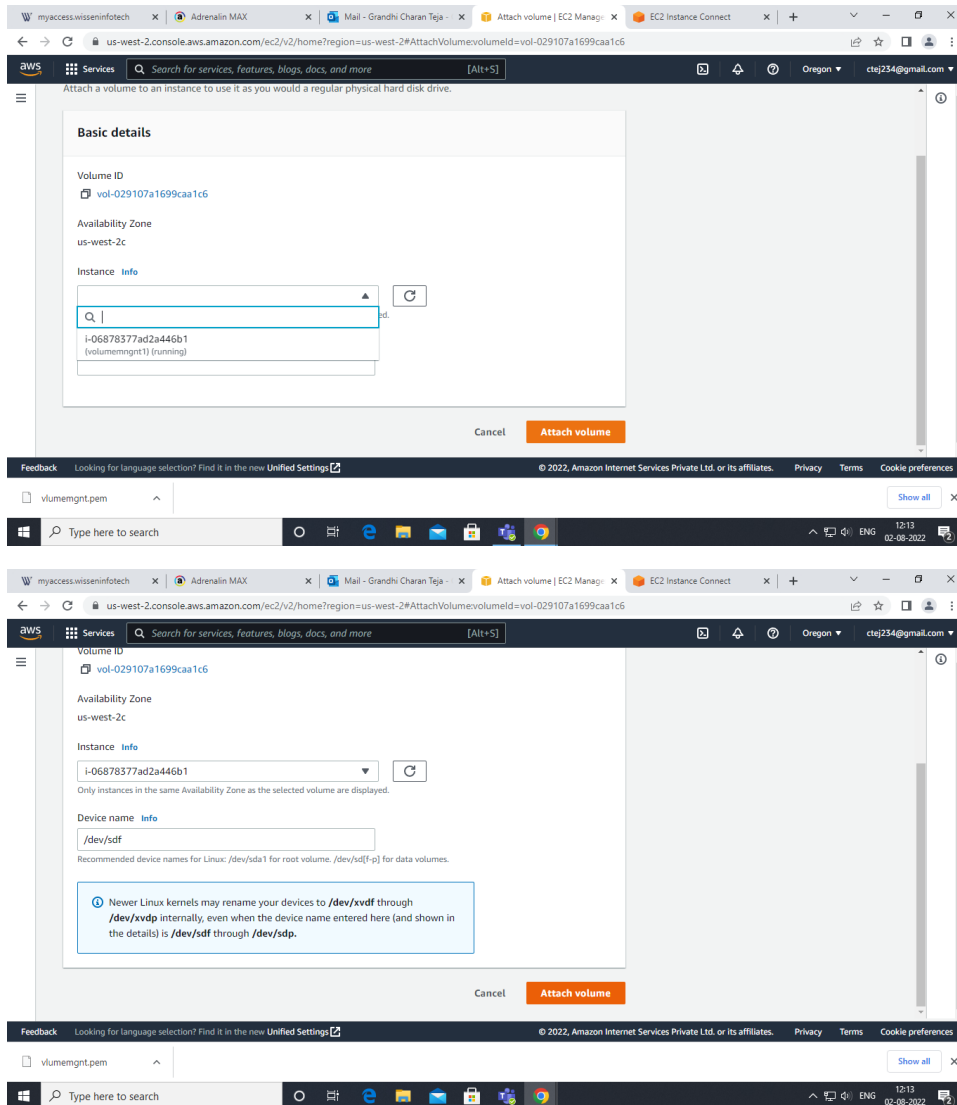


3.steps to attach volume to instance click on created volume and click on attach volume



4.select the instance which we have to attach the volume

Volume is not attached to different Availability zones the volume we created and instance created is in same Availability zones otherwise we cannot attach the volumes for different Availability zones



us-west-2.console.aws.amazon.com/ec2/v2/home?region=us-west-2#VolumeDetails?volumeId=vol-029107a1699caa1c6

vol-029107a1699caa1c6

Details

Volume ID	Size	Type
vol-029107a1699caa1c6	2 GiB	gp2
Volume state	IOPS	Throughput
In-use	100	-
KMS key ID	KMS key alias	KMS key ARN
-	-	-
Availability Zone	Created	Multi-Attach enabled
us-west-2c	Tue Aug 02 2022 12:11:02 GMT+0530 (India Standard Time)	No
Outposts ARN		

Actions

- Create snapshot
- Attach volume
- Detach volume
- Force detach volume
- Manage auto-enabled I/O
- Encryption
- Not encrypted
- Snapshot
-
- Attached Instances
- i-06878377ad2a446b1 (volumemngt1); /dev/sdf (attached)

us-west-2.console.aws.amazon.com/ec2/v2/home?region=us-west-2#InstanceDetails?instanceId=i-06878377ad2a446b1

Details

Root device details

Root device name	Root device type	EBS optimization
/dev/xvda	EBS	disabled

Block devices

Volume ID	Device name	Volume size (GiB)	Attachment status	Attachment time	Encrypted
vol-04c2833b5d35a4c0f	/dev/xvda	8	Attached	Tue Aug 02 2022 12:03:22 G...	No

Recent root volume replacement tasks

Task ID	Task state	Start time	Completion time	Tags
No recent replace root volume tasks				

5.volume is attached to instance

us-west-2.console.aws.amazon.com/ec2/v2/home?region=us-west-2#InstanceDetails?instanceId=i-06878377ad2a446b1

Details

Root device details

Root device name	Root device type	EBS optimization
/dev/xvda	EBS	disabled

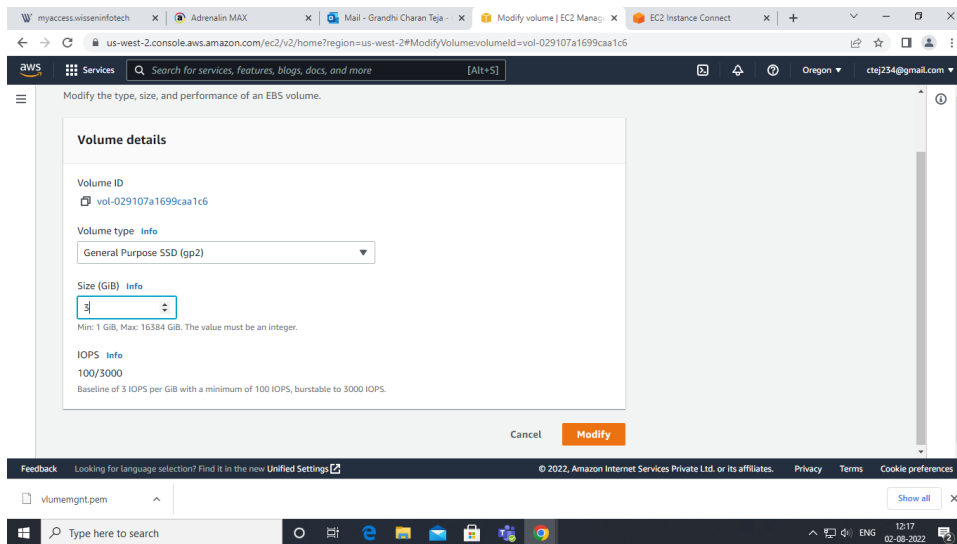
Block devices

Volume ID	Device name	Volume size (GiB)	Attachment status	Attachment time	Encrypted
vol-04c2833b5d35a4c0f	/dev/xvda	8	Attached	Tue Aug 02 2022 12:03:22 G...	No
vol-029107a1699caa1c6	/dev/sdf	2	Attached	Tue Aug 02 2022 12:13:21 G...	No

Recent root volume replacement tasks

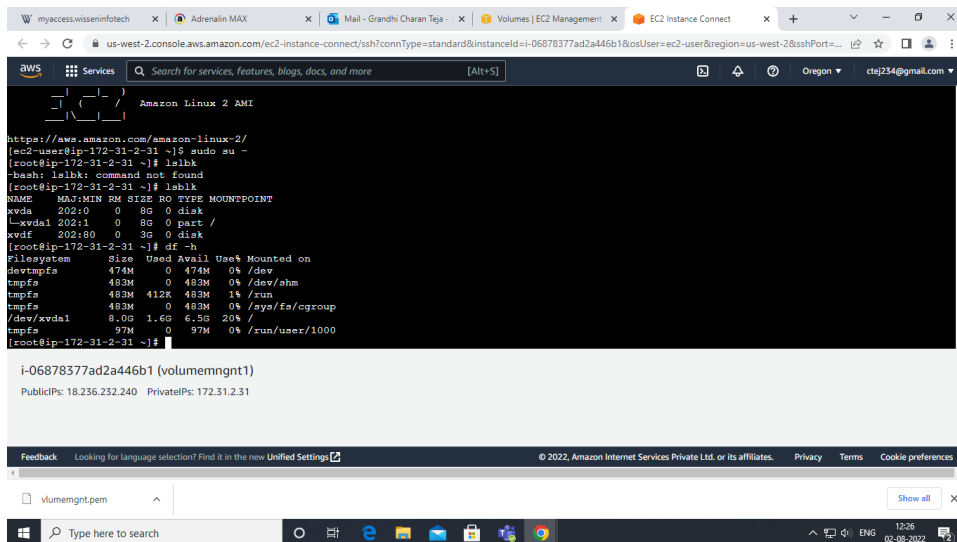
Task ID	Task state	Start time	Completion time	Tags
No recent replace root volume tasks				

6. Modify the volume and change it to 2 to 3gb and again attach to the instance

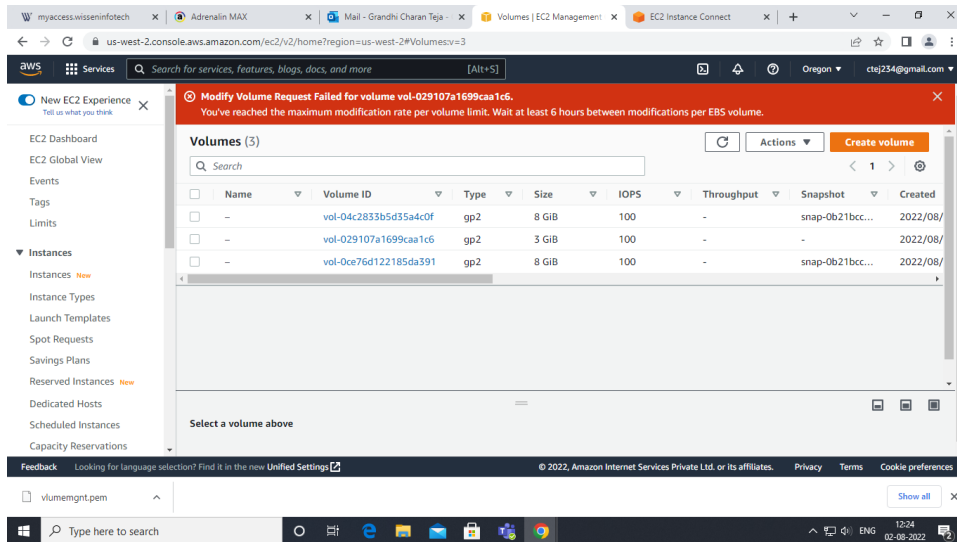


7. In linux machine to see the volume storage setup

Commands are lsblk and df-h



8. when we modify the volume again to 3 to 4gb it shows error message that we have to wait up to 6hrs



CLOUDFORMATION CREATION

1. Go to CloudFormation
2. Click on the create stack button
3. Click on template is ready -> upload a template file
4. Then choose YAML or Jason file from your local machine and go to next
5. Write the stack name
6. Click on the next button->next button ->create stack
7. Now go back and validate that ec2 instance will be launched with YAML script

