

## **Assessment - 10**

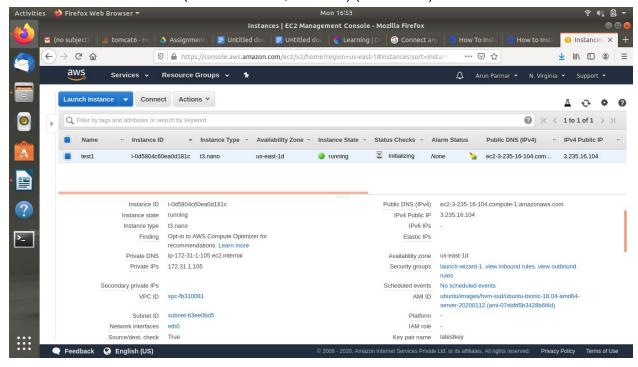
**EC2 & EBS** 

Trainee Name: Arun Parmar

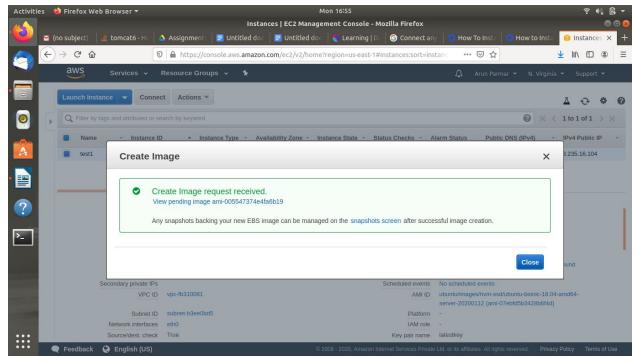
Mentor Name: Ravi Kumar

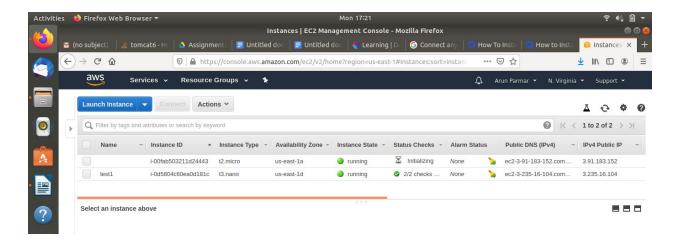
College: UPES

1. Create an EC2 instance (Ubunutu 18.04, T3 nano).(instance A)

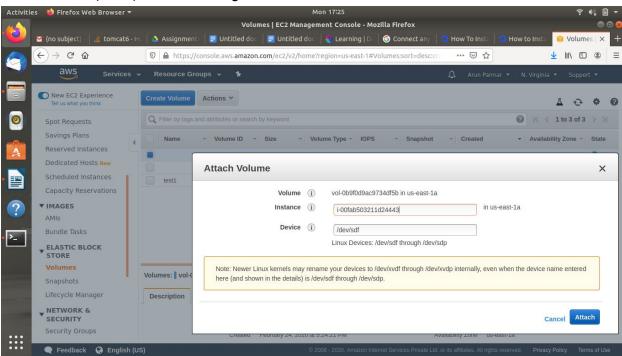


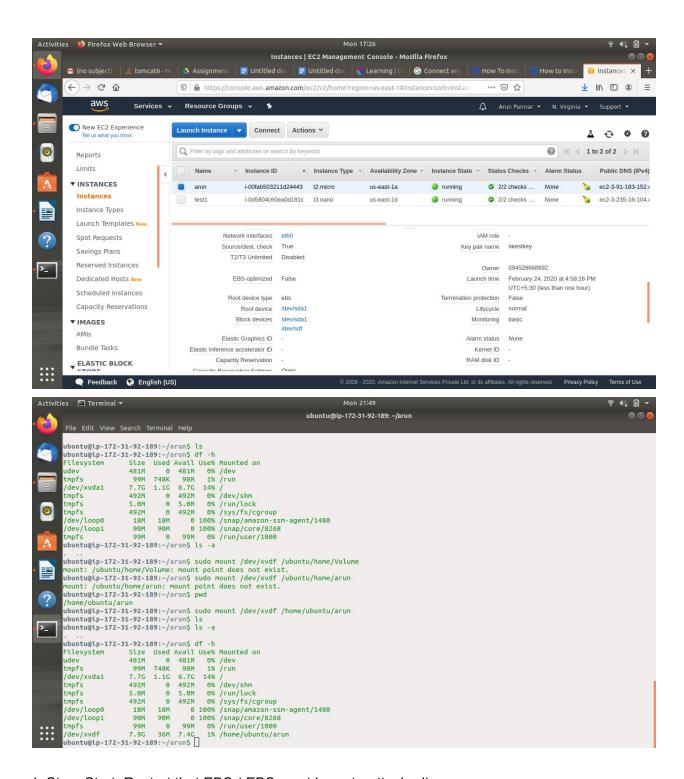
2. Create AMI of above instance and launch it. (instance B)



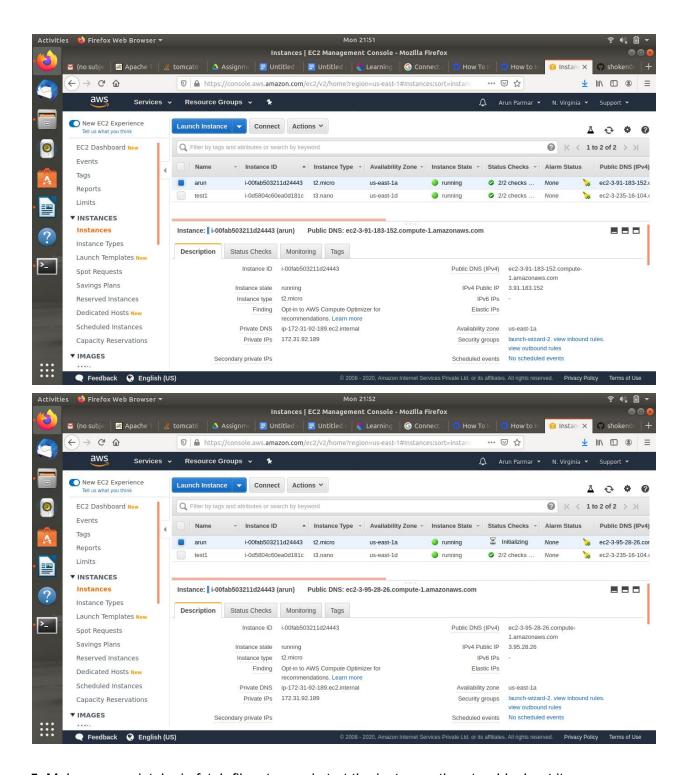


3. Attach EBS (8 GB) on that running instance.

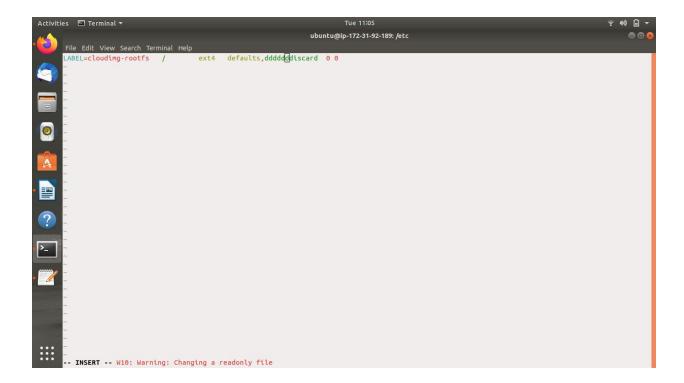




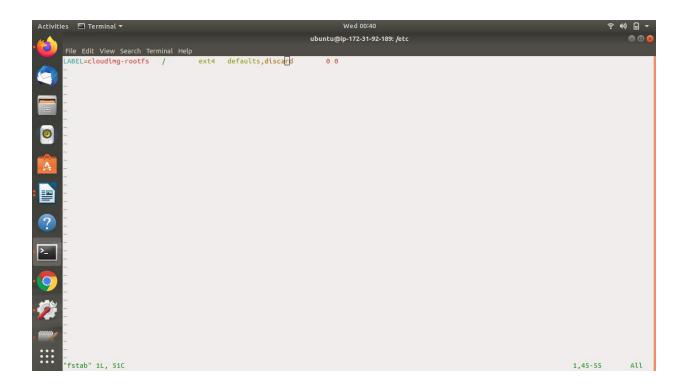
4. Stop, Start, Restart that EBS (EBS must be auto-attached).



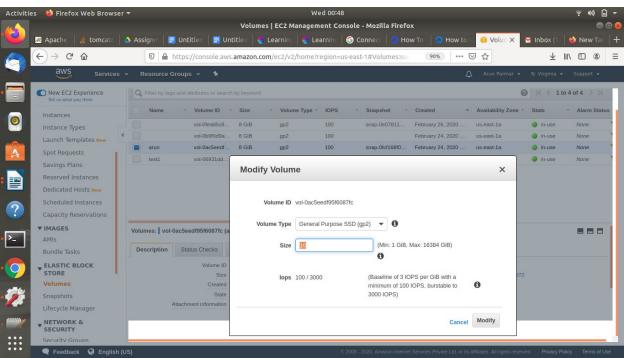
- 5. Make some mistake in fstab file, stop and start the instance, then troubleshoot it.
  - None of the files will be edited in filesystem, they will be readonly.



- Detach the root volume from Instance
- Create a maintainance instance
- Attach root volume of main instance to maintainance instance
- Mount the volume
- Correct the fstab file
- Detach the volume
- Attach the root volume to main instance again, restart.

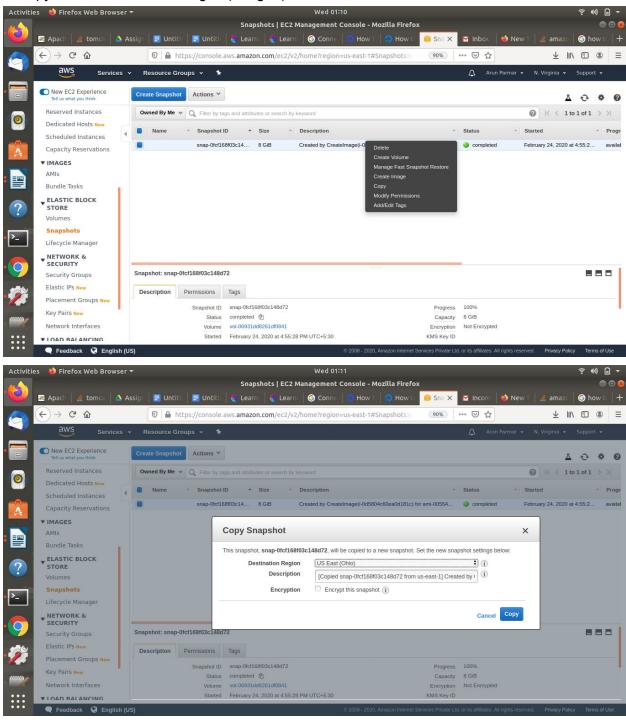


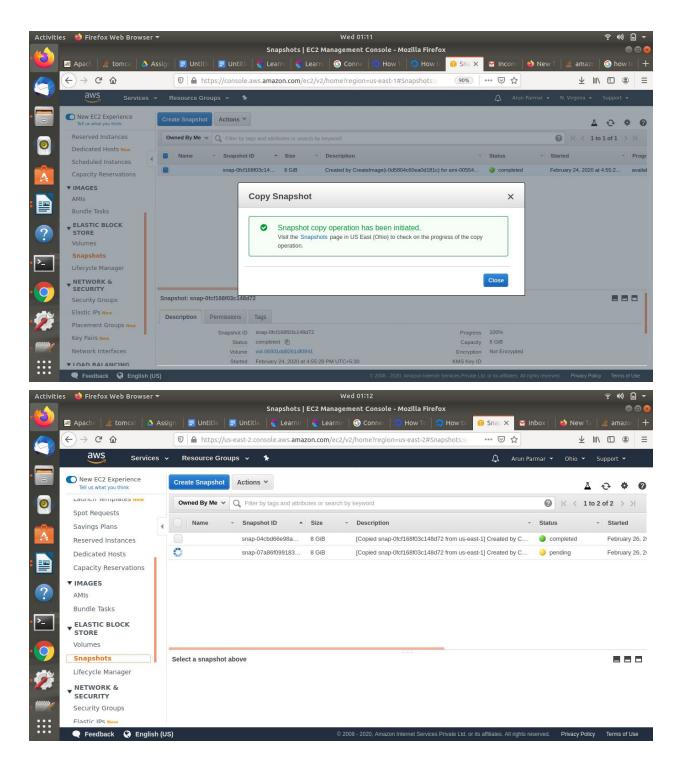
6. Resize the EBS from 8 to 10GB



- 7. SSH from one instance A to instance B.
  - Generate key for Instance 1 with ssh-keygen

- Copy this key to authorized keys of Instance B
- SSH from B to A.
- 8. Copy the EBS in different region( oregon).





- 9. Detach the root EBS, create its snapshot, than create the AMI and run it as instance such that nginx should be preinstalled at the boot time of instance.
  - Stop Instance B and detach the root volume.
  - Create snapshot for root volume of B.
  - Create image

- Launch an instance from the AMI
- Add user data as follows #!/bin/bash
  Sudo apt-get update
  Sudo apt-get install nginx
  Sudo service nginx restart
- Once the instance is launched, ssh into the instance and cheek nginx status using "sudo service nginx status"

