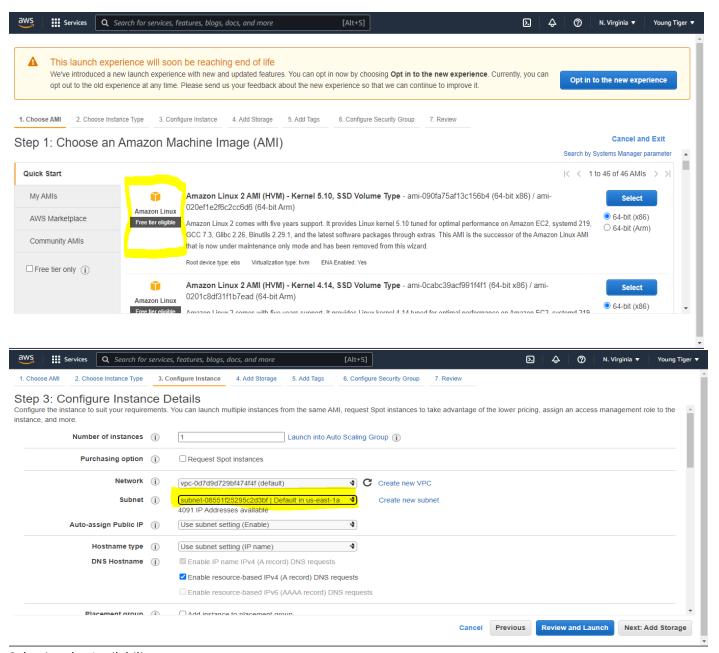
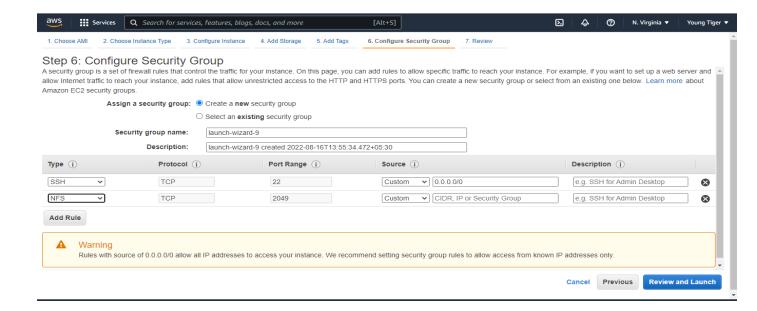
# **EFS Mounting & Communication b/w EC2 Instances:**

- 1. Create EC2 Instances with different Availability Zones
- 2.Create & Assign Security Group to all EC2 instance Same for Best Practice
- 3.After Launching the EC2 Instance Create EFS(Elastic File System) in Customized way
- 4. Finally copy the code for mounting efs and paste in terminal
- 5. After mounting efs into all Instances test the efs is successfully created or not via checking "sudo service nfs status"
- 6. After that enable the service via "sudo service nfs start"
- 7. Finally create file in efs directory in one instance after that check whether that file will reflect to remaining instances or not ,if it's exit efs success running not exit means you didn't follow correct process

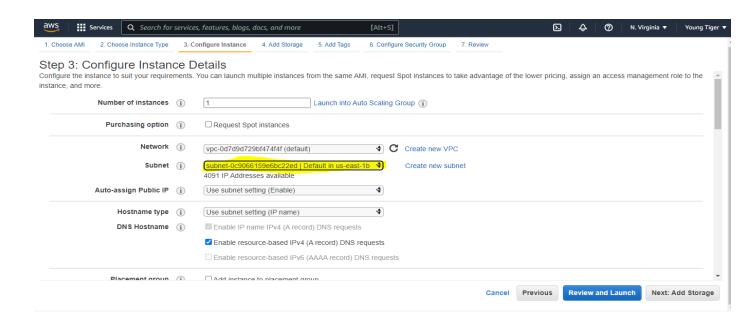
Note: Please follow the below available images for further clarification



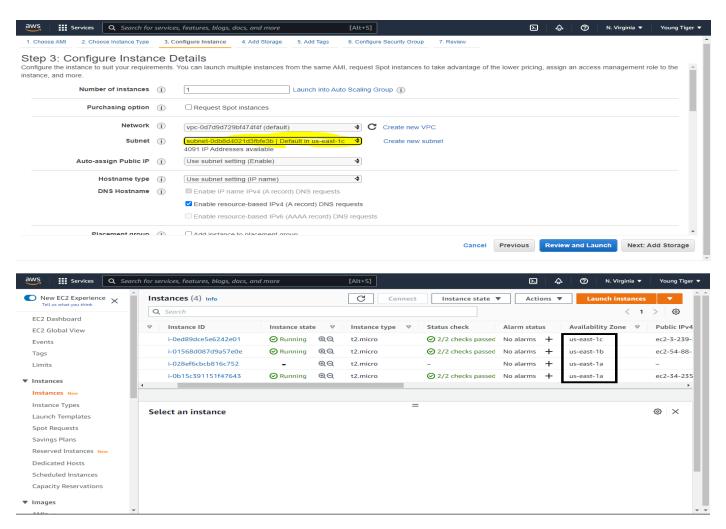
Selecting the Availability zone



# Creating Security group



Creating another instance with different availability zone

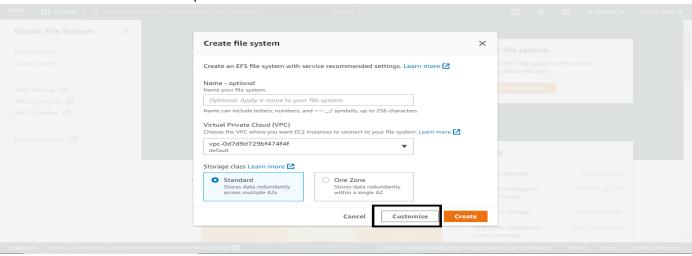


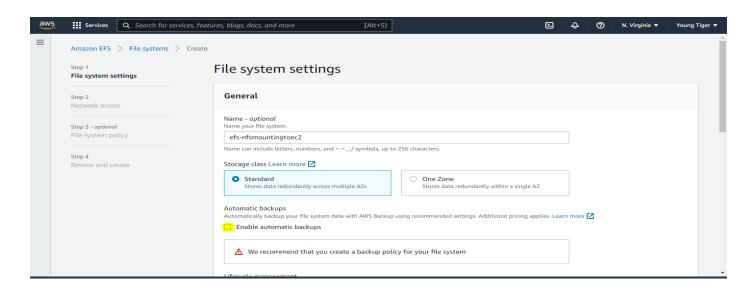
#### EC2 Instance with different Availability zones Created Successfully

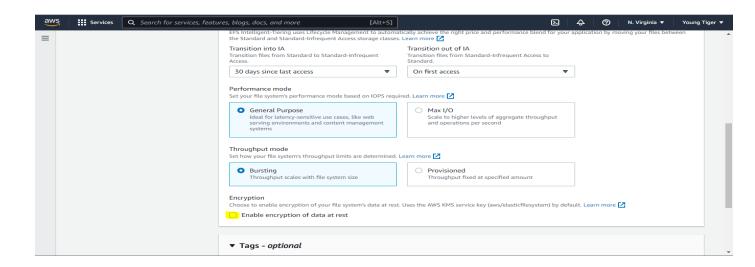
#### **Creating EFS**

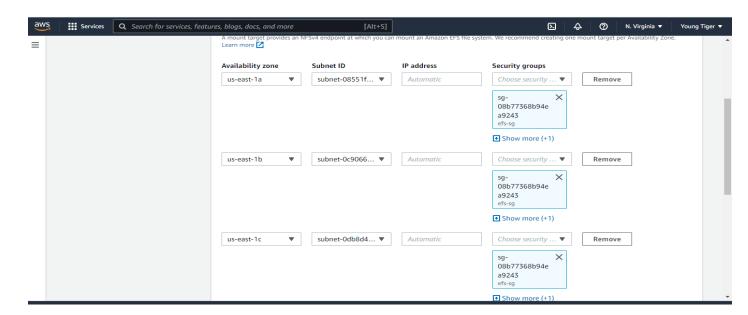


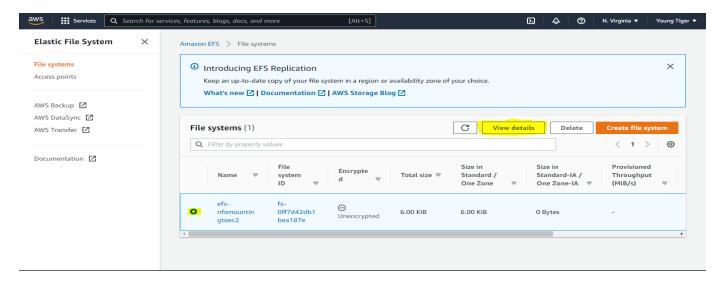
Click on customized for our best practice



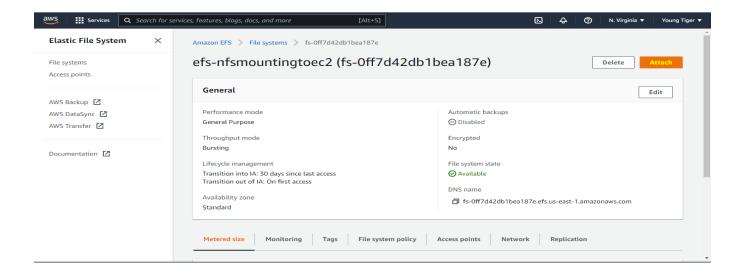




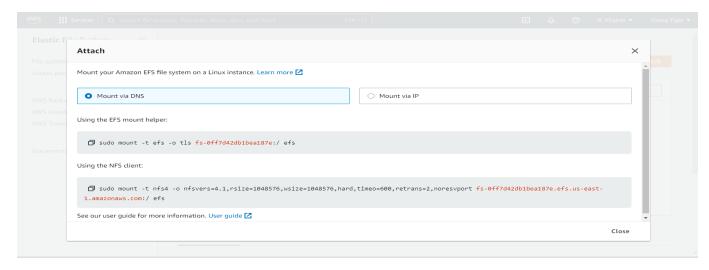




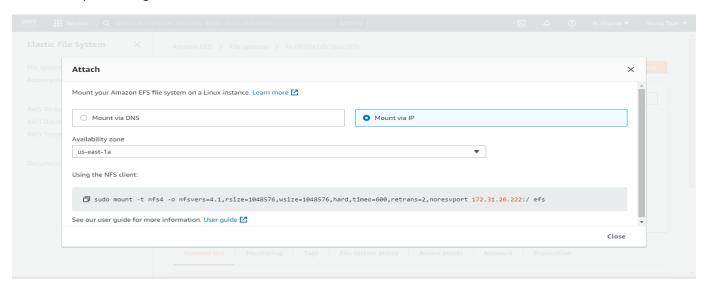
#### Click on Attach



One way for mounting via DNS



#### Another way mounting via IP



#### After done this all open EC2 terminal

### Mounting EFS in N-Virginia in 1a AZ and creating file in 1a zone

```
Services Q Search for services, features, blogs, docs, and more
                                                                                                                Ω 4 ②
                                                                                                                                 N. Virginia ▼
                                                                                                                                             Young Tiger ▼
  glibc-minimal-langpack.x86_64 0:2.26-60.amzn2 openssl-libs.x86_64 1:1.0.2k-24.amzn2.0.4
                                                        libcrypt.x86_64 0:2.26-60.amzn2
                                                                                                     openssl.x86_64 1:1.0.2k-24.amzn2.0.4
hlo benguluru
[root@n-vergeniala efs]# cat >file
[root@n-vergeniala efs]# cat file
[root@n-vergeniala efs]# ls
file file1
[rooten-vergeniala efs]# rm file
rm: remove regular empty file 'file'? y
[root@n-vergeniala efs]# ls
file1
[root@n-vergenia1a efs]# cat file1
hlo benguluru
[root@n-vergenia1a efs]#
```

#### Second instance in 1c availability zone

## Third instance in 1b availability zone

Conclusion: EFS Mounting and Running Successfully with different Availability Zones