EFS

03 January 2025 00:30

Amazon

- Firstly create the 2 instance
- Select the amazon image
- Go to the network setting
- Click the edit button
- And create the security
- Go to the Inbound Security Group Rules
- And Add the security group rule
- The type select the NFS the port number are 2049 select the source type anywhere
- In the right side summary select the number of instance type 2
- And right side click the launch instance button

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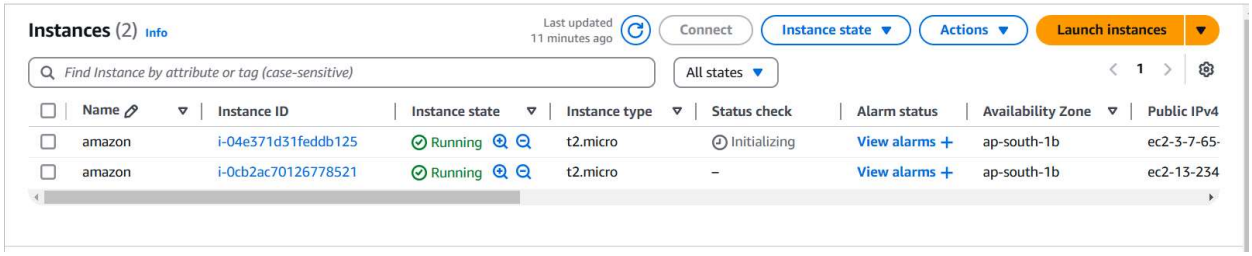

- exit the tab
- And search the EFS (Amazon Elastic File System) open a new tab
- And click the create the file system

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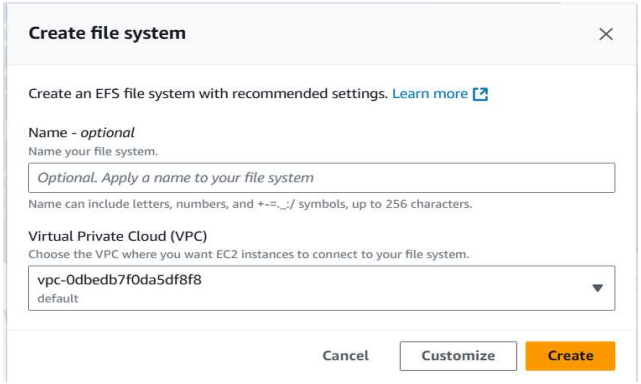

- Click the create button

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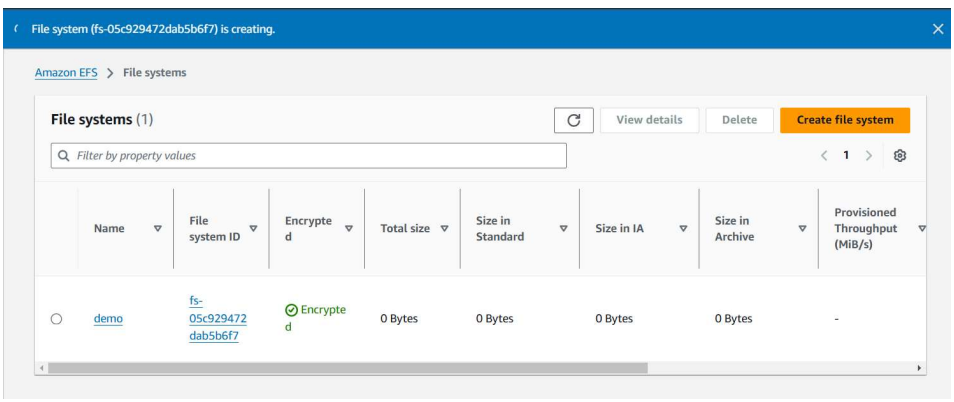
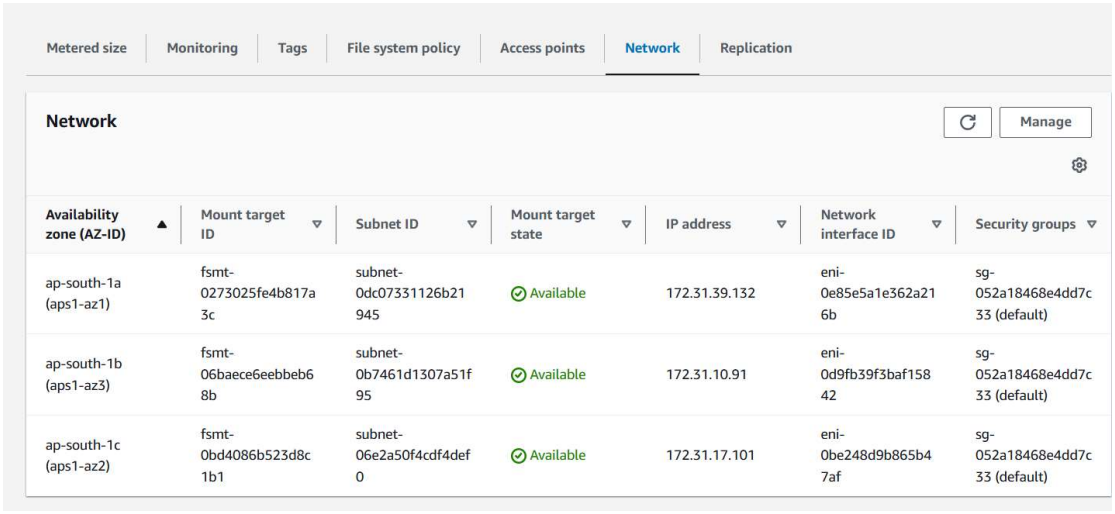


- Select the demo
- Click the view details
- Scroll down
- Select the network



Availability zone (AZ-ID)	Mount target ID	Subnet ID	Mount target state	IP address	Network interface ID	Security groups
ap-south-1a (aps1-az1)	fsmt-0273025fe4b817a3c	subnet-0dc07331126b21945	Available	172.31.39.132	eni-0e85e5a1e362a216b	sg-052a18468e4dd7c33 (default)
ap-south-1b (aps1-az3)	fsmt-06baece6eebbeb68b	subnet-0b7461d1307a51f95	Available	172.31.10.91	eni-0d9fb39f3baf15842	sg-052a18468e4dd7c33 (default)
ap-south-1c (aps1-az2)	fsmt-0bd4086b523d8c1b1	subnet-06e2a50f4cdf4def0	Available	172.31.17.101	eni-0be248d9b865b47af	sg-052a18468e4dd7c33 (default)

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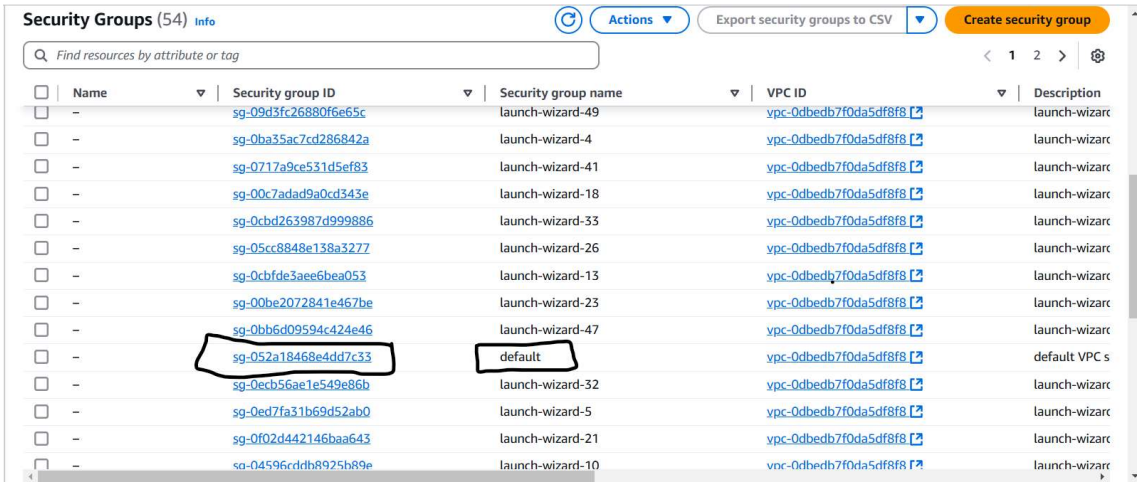
- See the instance availability zone
- See the network availability zone and same zone
- See the security groups
- Go to the security group



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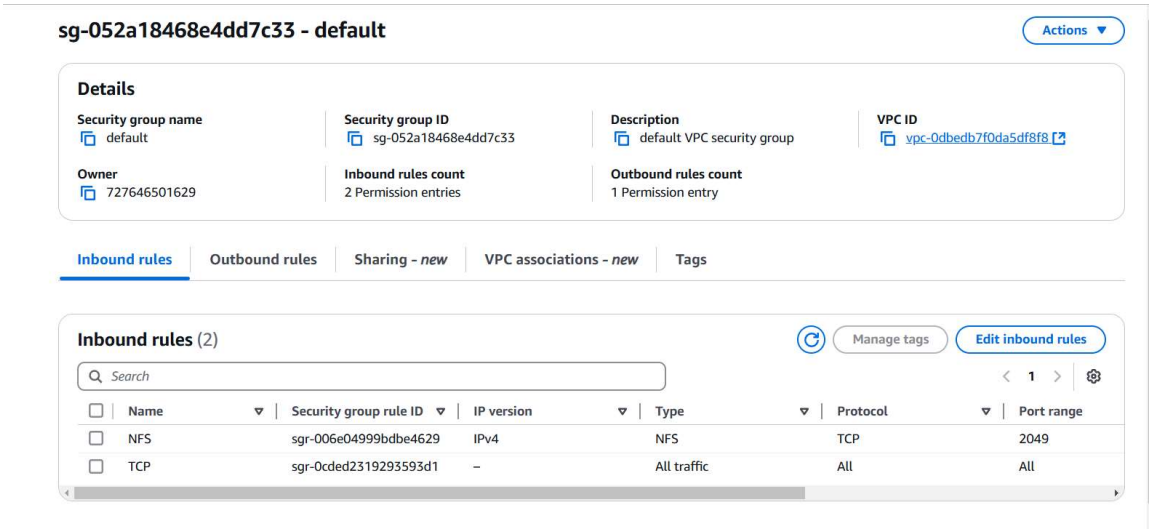
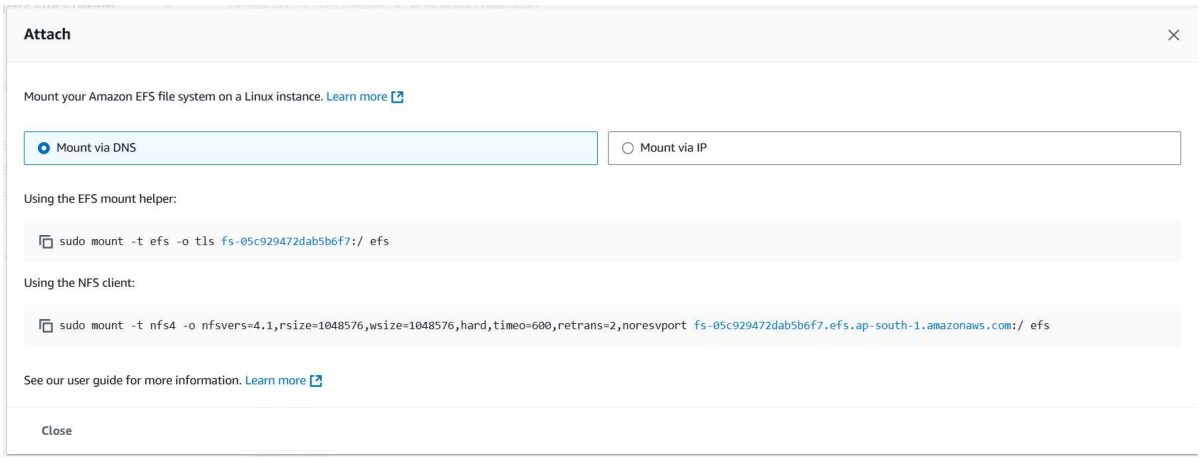
- click the security group id

- 

- The NFS are not show click the edit inbound rules and add rule of NFS
- After save the rules
- Go to the EC2 instances connect the both instance
- Install the package
- Command are: sudo yum install -y nfs-utils
- After install the package run the command: mkdir efs
- Go to the EFS tab
- Click the attach tab

- 

- Copy the using the NFS client
- And past in terminal

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```
[root@ip-172-31-7-32 ~]# sudo mount -t nfs4 -o nfsvers=4.1,rsize=1048576,wsize=1048576,hard,timeo=600,retrans=2,noresvport fs-05c92947
2dab5b6f7.efs.ap-south-1.amazonaws.com:/ efs
[root@ip-172-31-7-32 ~]# df -h
Filesystem                                      Size  Used Avail Use% Mounted on
devtmpfs                                        4.0M     0  4.0M   0% /dev
tmpfs                                           453M     0  453M   0% /dev/shm
tmpfs                                           181M  444K  181M   1% /run
/dev/nvme0n1p1                                  8.0G  1.6G  6.4G  20% /
tmpfs                                           453M     0  453M   0% /tmp
/dev/nvme0n1p128                                 10M  1.3M  8.7M  13% /boot/efi
tmpfs                                            91M     0   91M   0% /run/user/1000
fs-05c929472dab5b6f7.efs.ap-south-1.amazonaws.com:/  8.0E     0  8.0E   0% /root/efs
[root@ip-172-31-7-32 ~]#
```

- EFS are mount
- Cd EFS
- And run the any command in EFS Directory it's shown the another directory