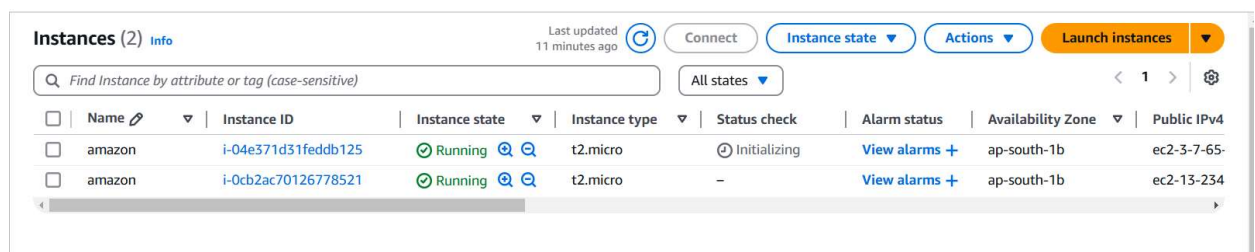


EFS

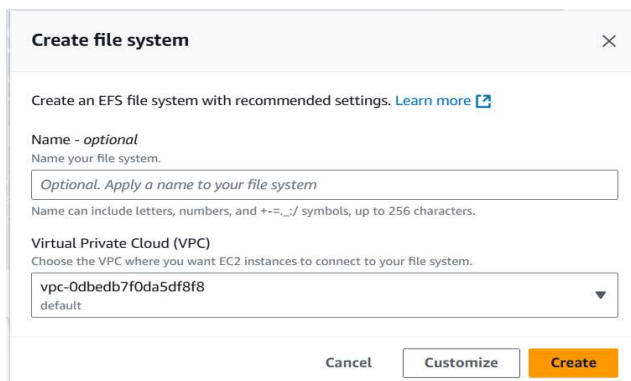
03 January 2025 00:30

Amazon

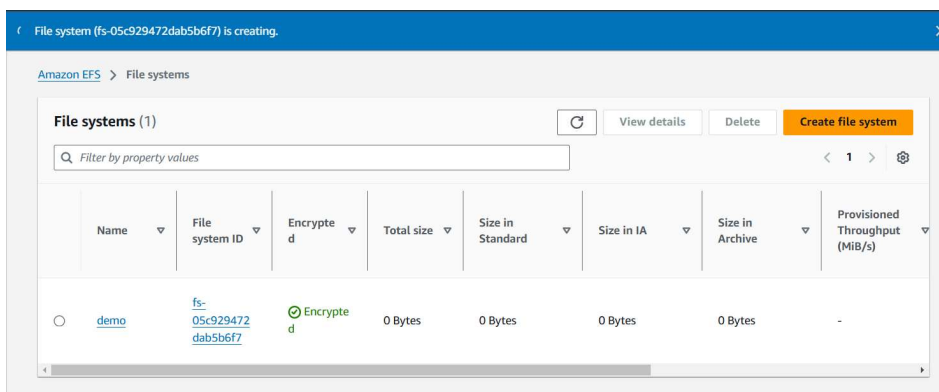
- Firstly create the 2 instance
- Select the amazon image
- Go to the network setting
- Click the edit button
- And create the security
- Go to the Inbound Security Group Rules
- And Add the security group rule
- The type select the NFS the port number are 2049 select the source type anywhere
- In the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



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



- Click the create button



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

Metered size	Monitoring	Tags	File system policy	Access points	Network	Replication
<div>Network</div> <div> <div></div> <div>Manage</div> </div>						
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)

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

Security Groups (54) Info						
<div> <div>Find resources by attribute or tag</div> <div> <div></div> <div>Actions</div> </div> <div>Export security groups to CSV</div> <div>Create security group</div> </div>						
Name	Security group ID	Security group name	VPC ID	Description		
-	sg-09d3fc26880f6e65c	launch-wizard-49	vpc-0d8edb7f0da5df8f8	launch-wizard		
-	sg-0ba35ac7cd286842a	launch-wizard-4	vpc-0d8edb7f0da5df8f8	launch-wizard		
-	sg-0717a9ce531d5ef83	launch-wizard-41	vpc-0d8edb7f0da5df8f8	launch-wizard		
-	sg-00c7adad9a0cd343e	launch-wizard-18	vpc-0d8edb7f0da5df8f8	launch-wizard		
-	sg-0cbdd263987d999886	launch-wizard-33	vpc-0d8edb7f0da5df8f8	launch-wizard		
-	sg-05cc8848e138a3277	launch-wizard-26	vpc-0d8edb7f0da5df8f8	launch-wizard		
-	sg-0cbfde3aee6bea053	launch-wizard-13	vpc-0d8edb7f0da5df8f8	launch-wizard		
-	sg-00be2072841e467be	launch-wizard-23	vpc-0d8edb7f0da5df8f8	launch-wizard		
-	sg-0bb6d09594c424e46	launch-wizard-47	vpc-0d8edb7f0da5df8f8	launch-wizard		
-	sg-052a18468e4dd7c33	default	vpc-0d8edb7f0da5df8f8	default VPC s		
-	sg-0ecb56ae1e549e86b	launch-wizard-32	vpc-0d8edb7f0da5df8f8	launch-wizard		
-	sg-0ed7fa31b69d52ab0	launch-wizard-5	vpc-0d8edb7f0da5df8f8	launch-wizard		
-	sg-0f02d442146baa643	launch-wizard-21	vpc-0d8edb7f0da5df8f8	launch-wizard		
-	sg-04596cdd8b925b89e	launch-wizard-10	vpc-0d8edb7f0da5df8f8	launch-wizard		

- click the security group id

sg-052a18468e4dd7c33 - default Actions

Details

Security group name default	Security group ID sg-052a18468e4dd7c33	Description default VPC security group	VPC ID vpc-0d8ed7f0da5df8f8
Owner 727646501629	Inbound rules count 2 Permission entries	Outbound rules count 1 Permission entry	

Inbound rules
Outbound rules
Sharing - new
VPC associations - new
Tags

Inbound rules (2)
Manage tags
Edit inbound rules

<input type="checkbox"/>	Name	Security group rule ID	IP version	Type	Protocol	Port range
<input type="checkbox"/>	NFS	sgr-006e04999bde4629	IPv4	NFS	TCP	2049
<input type="checkbox"/>	TCP	sgr-0cded2319293593d1	-	All traffic	All	All

- 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

Attach ×

Mount your Amazon EFS file system on a Linux instance. [Learn more](#)

☒ Mount via DNS
 ☐ Mount via IP

Using the EFS mount helper:

```
sudo mount -t efs -o tls fs-05c929472dab5b6f7:/ efs
```

Using the NFS client:

```
sudo mount -t nfs4 -o nfsvers=4.1,rsize=1048576,wsiz=1048576,hard,timeo=600,retrans=2,noresvport fs-05c929472dab5b6f7.efs.ap-south-1.amazonaws.com:/ efs
```

See our user guide for more information. [Learn more](#)

Close

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

```
[root@ip-172-31-7-32 ~]# sudo mount -t nfs4 -o nfsvers=4.1,rsize=1048576,wsiz=1048576,hard,timeo=600,retrans=2,noresvport fs-05c929472dab5b6f7.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