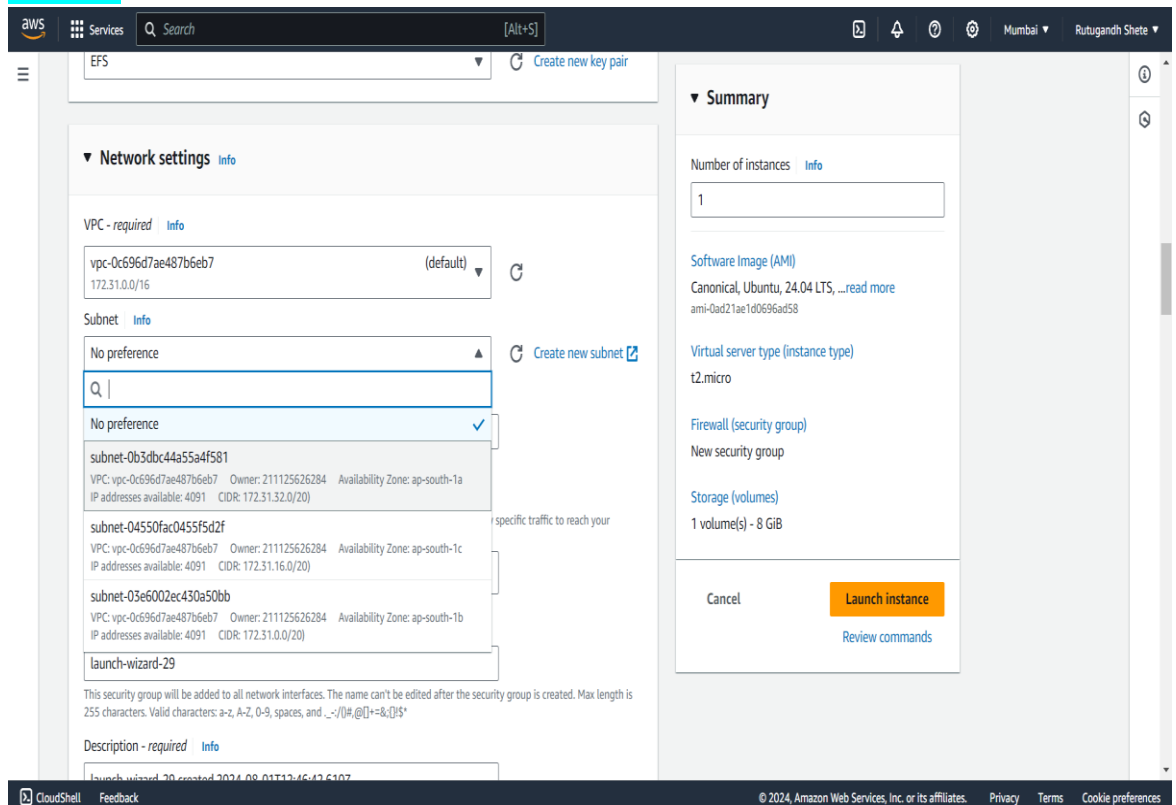


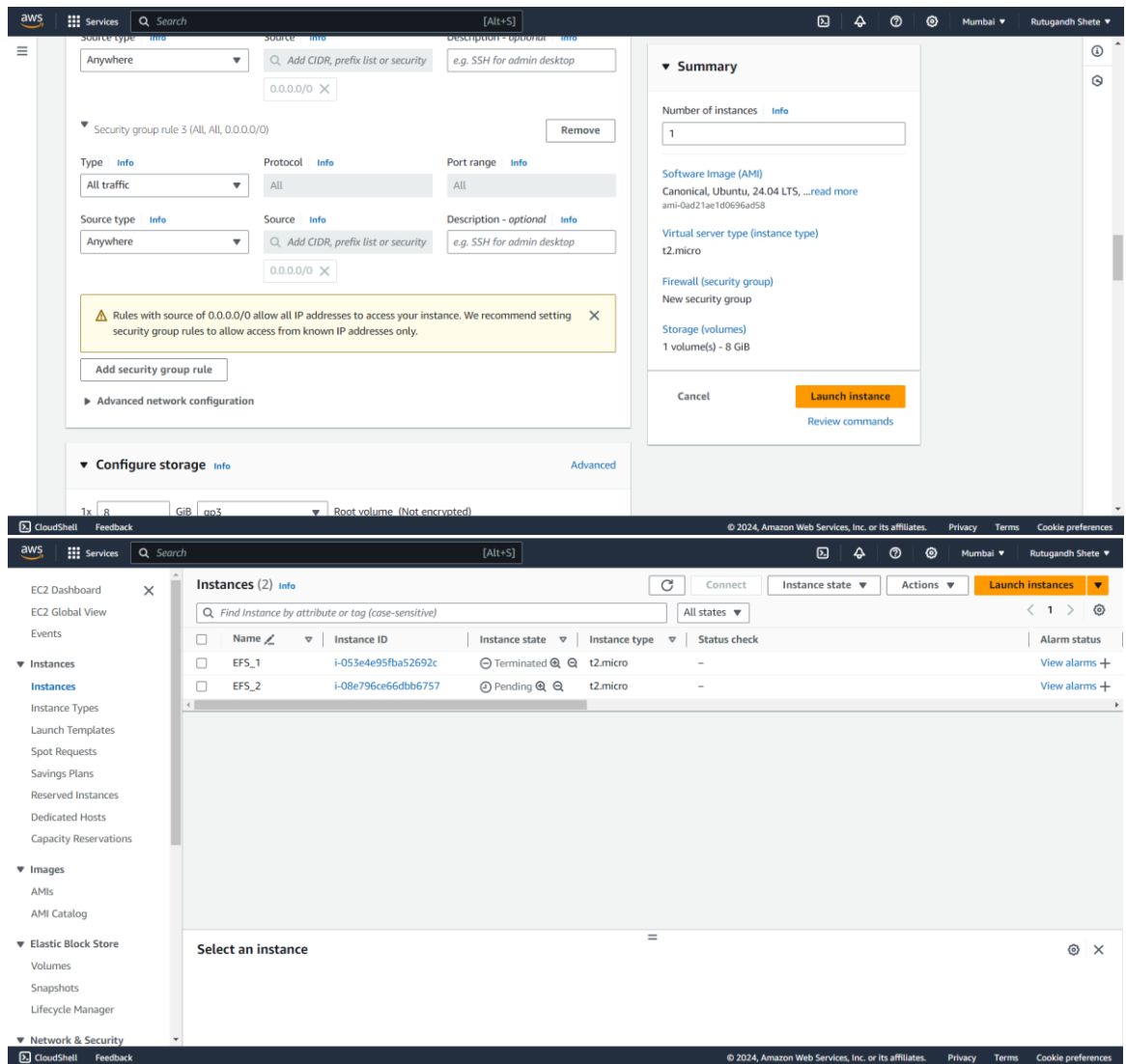
AWS Documentation

Number	Task
1.	EFS

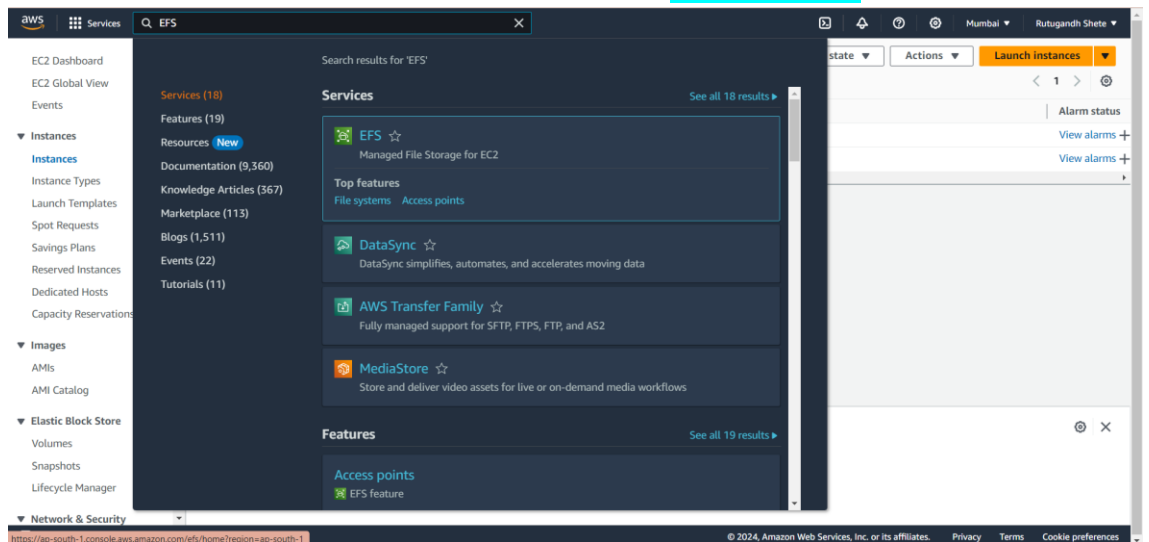
1. **EFS:** Amazon **Elastic File System** (EFS) is a **scalable**, fully managed file storage service for use with AWS Cloud services and on-premises resources. It can **grow** and **shrink automatically** as you **add** and **remove files**, and you pay only for the storage you use.

- Create EC2 instance, while creating it go to EC2 → **Network Settings** → **Subnet**(choose availability zone ap-south-1a) → **security group name** → **add security group**.





- After creating EC2 instance then go to **EFS service**.



- Create file system. In network section select availability zone according to EC2 instance and select security group name.

Create file system

Create an EFS file system with recommended settings. [Learn more](#)

Name - optional
Name your file system.

Name can include letters, numbers, and +-=._:/ symbols, up to 256 characters.

Virtual Private Cloud (VPC)
Choose the VPC where you want EC2 instances to connect to your file system.

vpc-0c696d7ae487b6eb7

default

Cancel

Customize

Create

Step 1
File system settings

Step 2
Network access

Step 3 - optional
File system policy

Step 4
Review and create

Network access

Network

Virtual Private Cloud (VPC) [Learn more](#)
Choose the VPC where you want EC2 instances to connect to your file system.

vpc-0c696d7ae487b6eb7

default

Mount targets

A mount target provides an NFSv4 endpoint at which you can mount an Amazon EFS file system. We recommend creating one mount target per Availability Zone. [Learn more](#)

Availability zone	Subnet ID	IP address	Security groups	
ap-south-1a	subnet-0b3dbc44a...	Automatic	<div><div>Choose security gro...</div><div>sg-06809297df3260583</div><div>default</div></div>	<div>Remove</div>

Add mount target

Show more (+1)

Cancel

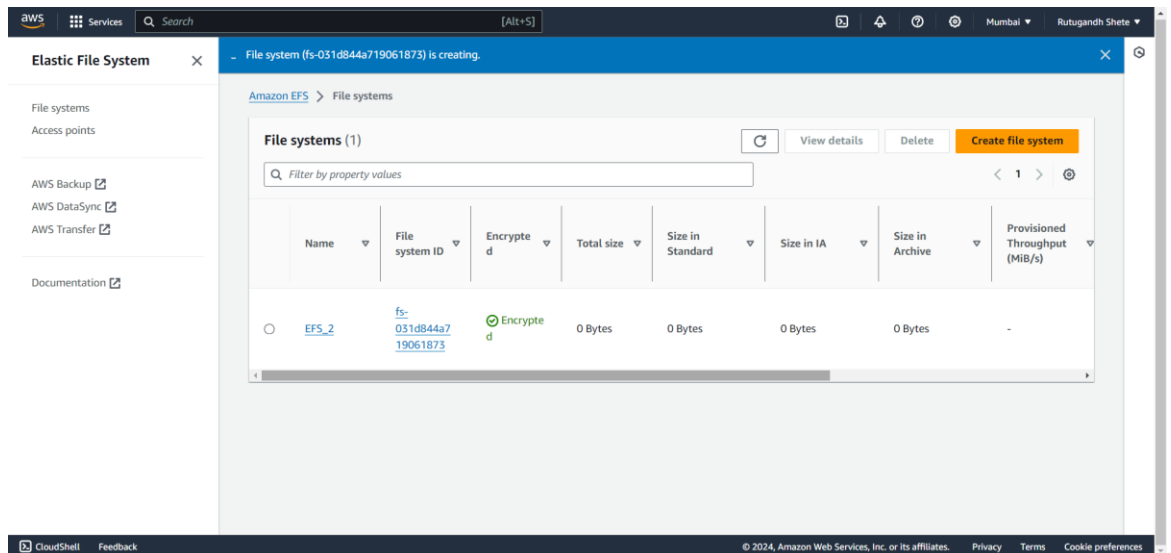
Previous

Next

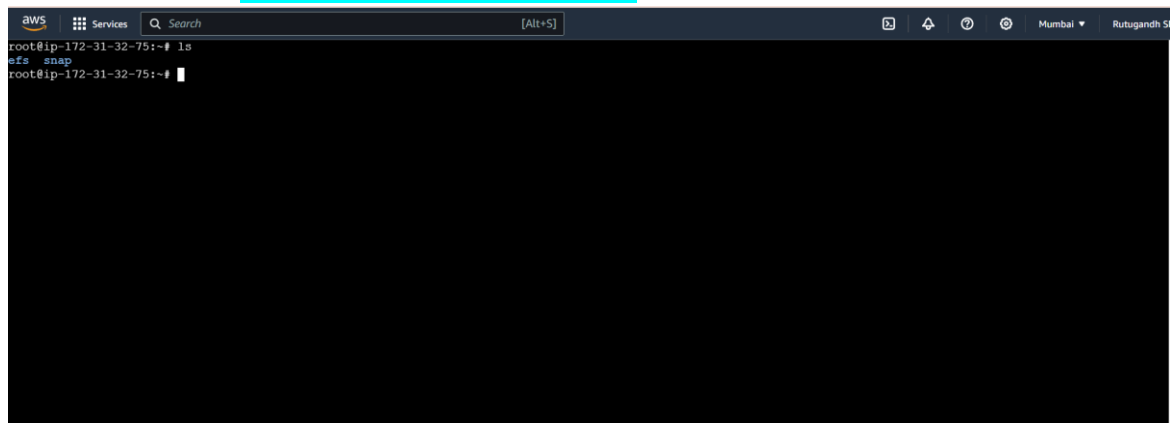
CloudShell

Feedback

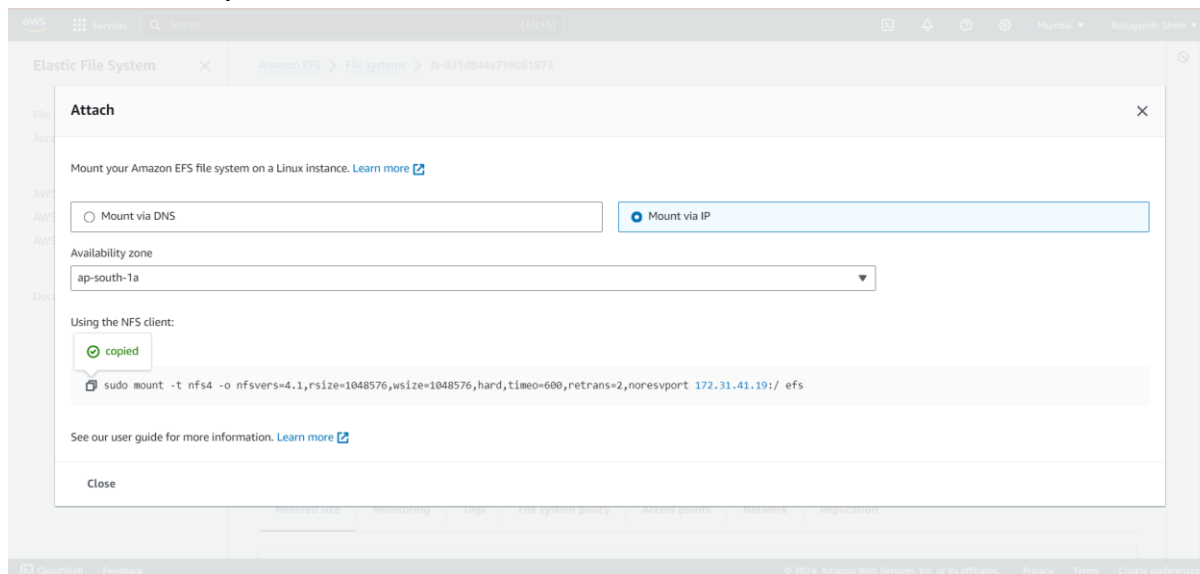
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- Connect instance to terminal
 1. create directory in root directory "efs"
 2. install nfs "apt install nfs-common".



- Attach efs to /efs directory that we have already created in earlier step.



- Copy NFS client then after that paste it into terminal, use “df -hT”.



The screenshot shows an AWS terminal window with the following commands and output:

```
root@ip-172-31-32-75:~# ls
efs snap
root@ip-172-31-32-75:~# sudo mount -t nfs4 -o nfsvers=4.1,rsize=1048576,wsize=1048576,hard,timeo=600,retrans=2,noresvport 172.31.41.19:/ efs
root@ip-172-31-32-75:~# df -hT
```

Filesystem	Type	Size	Used	Avail	Use%	Mounted on
/dev/root	ext4	6.8G	1.6G	5.2G	23%	/
tmpfs	tmpfs	479M	0	479M	0%	/dev/shm
tmpfs	tmpfs	192M	884K	191M	1%	/run
tmpfs	tmpfs	5.0M	0	5.0M	0%	/run/lock
/dev/xvda16	ext4	881M	76M	744M	10%	/boot
/dev/xvda15	vfat	105M	6.1M	99M	6%	/boot/efi
tmpfs	tmpfs	96M	12K	96M	1%	/run/user/1000
172.31.41.19:/	nfs4	8.0E	0	8.0E	0%	/root/efs

```
root@ip-172-31-32-75:~#
```