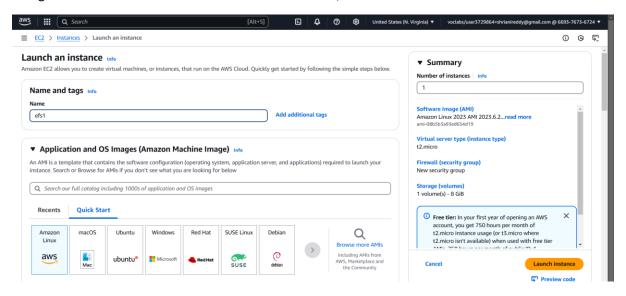
EFS

Amazon Elastic File System (EFS) is a fully managed, scalable, and shared file storage service for Linux-based EC2 instances. It allows multiple instances to access the same file system simultaneously, making it ideal for applications that require shared storage.

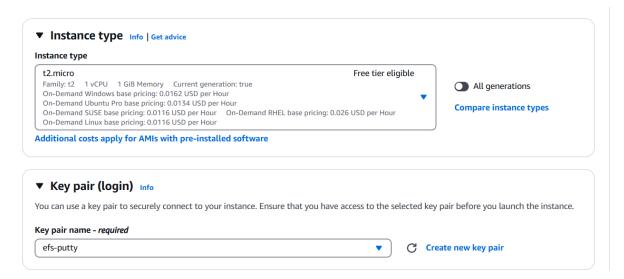
Navigate to the AWS console and create a ec2 instance, select LINUX OS



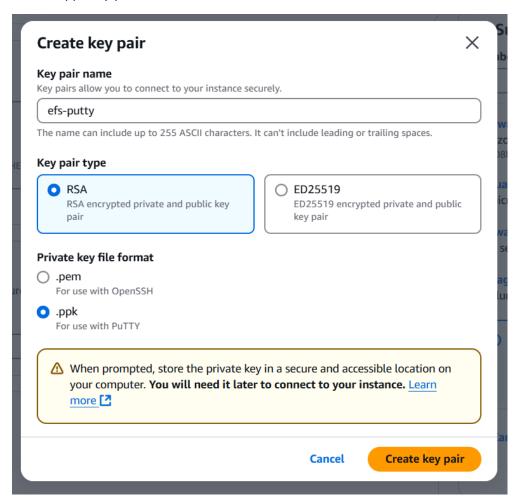
Let AMI and architecture be default



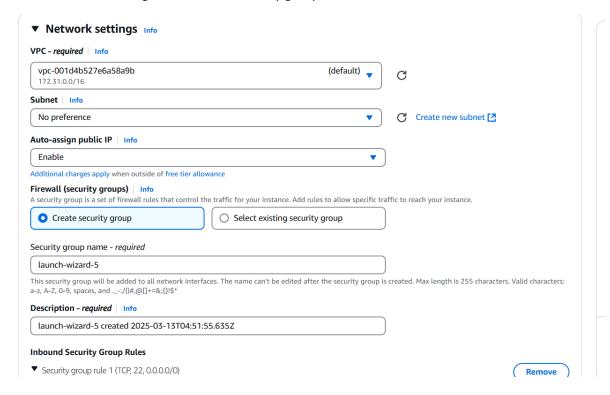
Select t2.micro instance type.



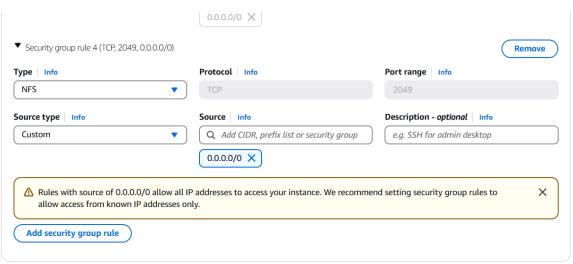
Create a ppk key-pair



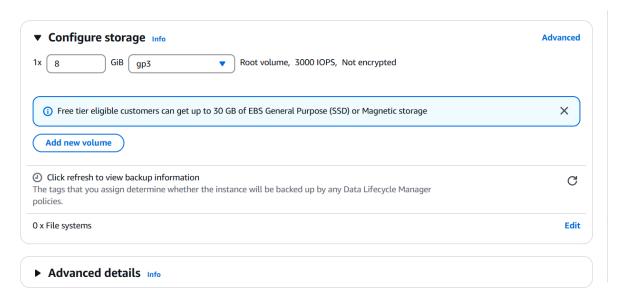
Edit the Network settings and create a security group



Select NFS type and add CIDR



Let the storage settings be default



Launch the instance

≡ EC2 > Instances > Launch an instance



Create another instance and name it, select the LINUX operating system

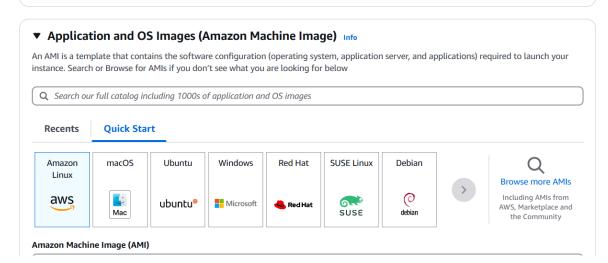
Launch an instance Info

Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.

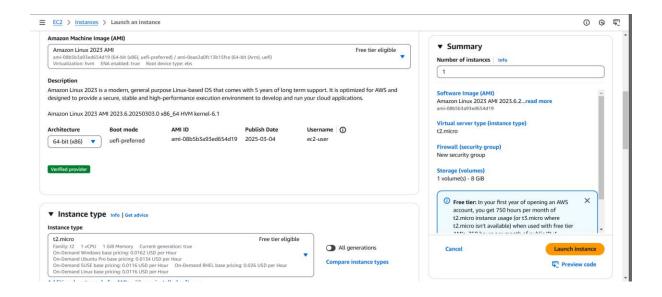
Name and tags Info
Name

efs2

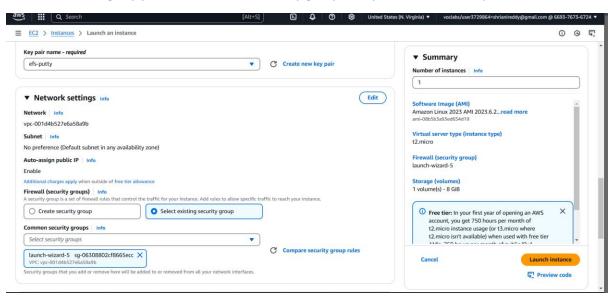
Add additional tags



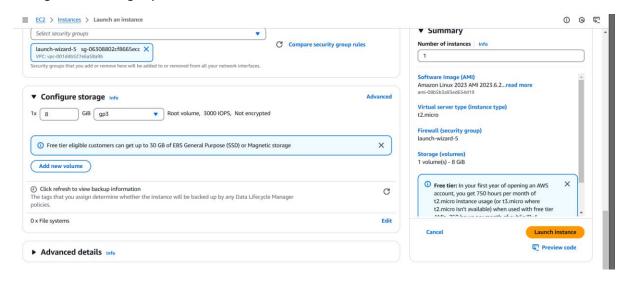
Select the AMI, Architecture and Instance type



Select the existing key-pair and select the security group that you created in the previous instance



Configure the storage system



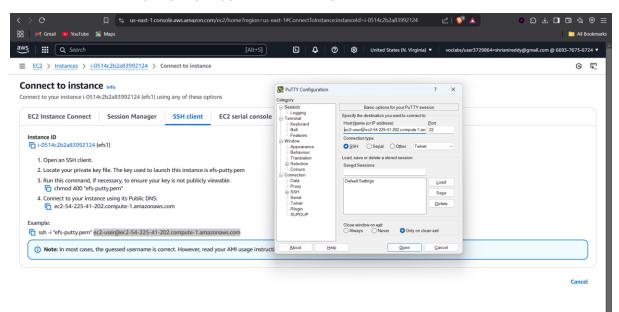
Launch the instance



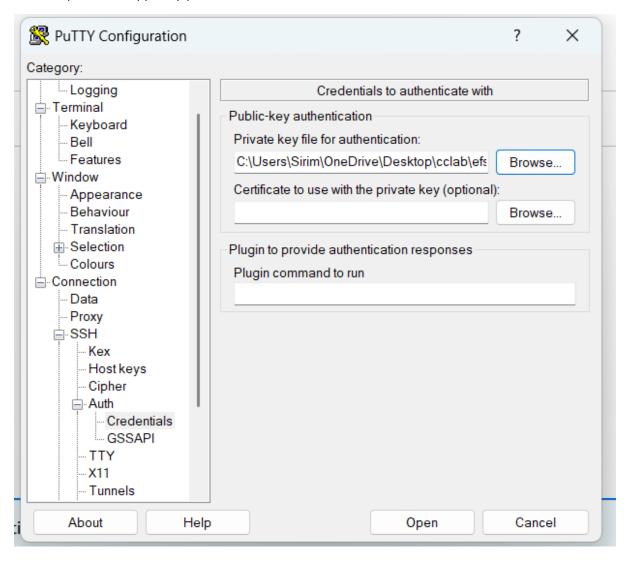
The 2 instances should be in 2 different zones of the same region



Connect to efs1, and open putty, copy the host id and paste it

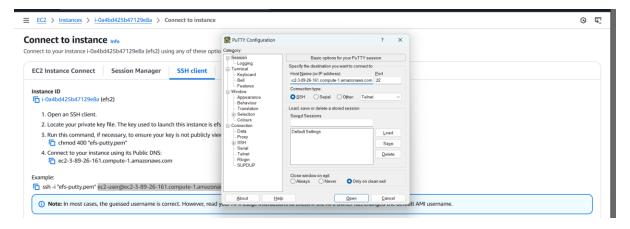


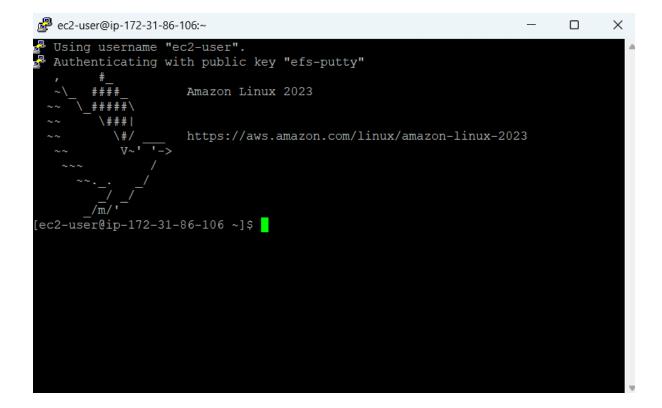
Give the path to the ppk key-pair for authentication



Connect to the instance.

Similarly open the putty and connect to efs2 with putty by giving its host id and the key pair ppk





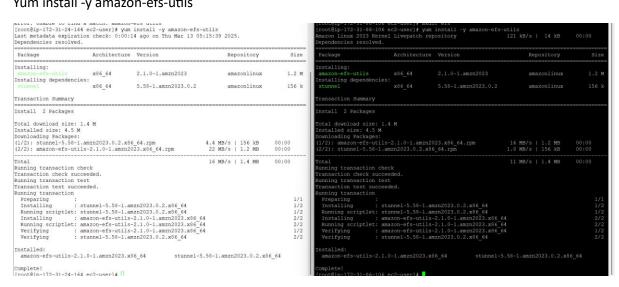
Put the putty terminals side by side

Run the following commands

sudo su

mkdir efs

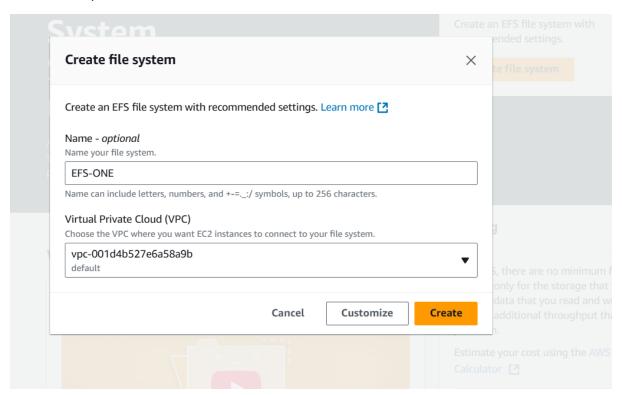
Yum install -y amazon-efs-utils



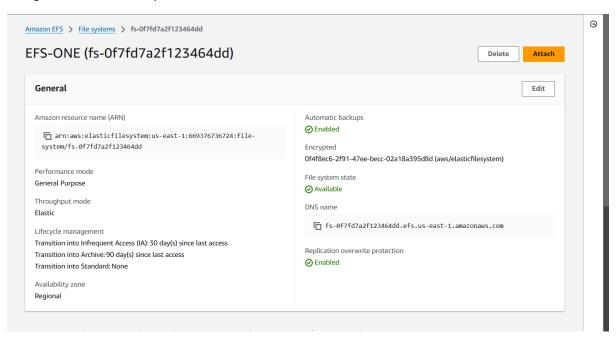
Open your AWS console and go to the EFS services



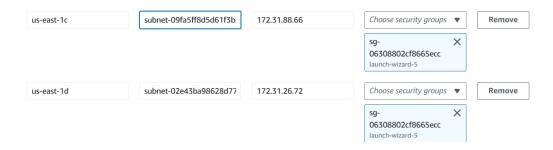
Create a file system



Navigate to the EFS that you created



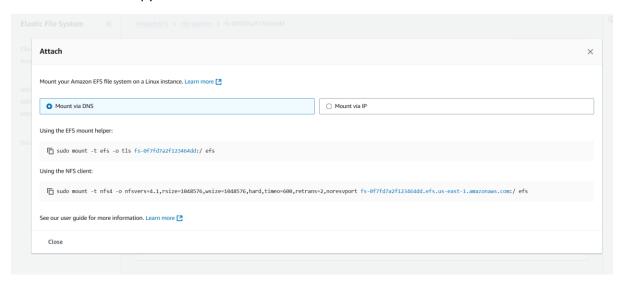
Navigate to network settings and select the security group that you created for the instances in those zones



Save the changes



Click on attach and copy the NFS client command



Paste the command in both the terminals and run

```
Complete!
[root@ip-172-31-24-164 ec2-user]# sudo mount -t nfs4 -o nfsvers=4.l_rsize=1048576, wsize=10485
[root@ip-172-31-24-164 ec2-user]# sudo mount -t nfs4 -o nfsvers=4.l_rsize=1048576, wsize=10485
[root@ip-172-31-24-164 ec2-user]# cd efs
[root@ip-172-31-24-164 ec2-user]# dd efs
[root@ip-172-31-24-164 ec3]# sudo mount -t nfs4 -o nfsvers=4.l_rsize=1048576, wsize=10485
[root@ip-172-31-24-164 ec2-user]# cd efs
[root@ip-172-31-24-164 efs]# sudo mount -t nfs4 -o nfsvers=4.l_rsize=1048576, wsize=10485
[root@ip-172-31-24-164 ec2-user]# cd efs
[root@ip-172-31-24-164 efs]# sudo mount -t nfs4 -o nfsvers=4.l_rsize=1048576, wsize=10485
[root@ip-172-31-24-164 ec2-user]# cd efs
[root@ip-172-31-24-164 efs]# sudo mount -t nfs4 -o nfsvers=4.l_rsize=1048576, wsize=10485
[root@ip-172-31-24-164 ec2-user]# cd efs
[root@ip-172-31-24-164 efs]# sudo mount -t nfs4 -o nfsvers=4.l_rsize=1048576, wsize=10485
[root@ip-172-31-24-164 ec2-user]# cd efs
[root@ip-172-31-24-164 ec2-user]# cd efs
[root@ip-172-31-24-164 efs]# sudo mount -t nfs4 -o nfsvers=4.l_rsize=1048576, wsize=10485
[root@ip-172-31-24-164 ec2-user]# cd efs
[root@ip-172-31-24-164 efs]# sudo mount -t nfs4 -o nfsvers=4.l_rsize=1048576, wsize=10485
[root@ip-172-31-24-164 ec2-user]# cd efs
[root@ip-172-31-24-164 efs]# sudo mount -t nfs4 -o nfsvers=4.l_rsize=1048576, wsize=10485
[root@ip-172-31-24-164 ec2-user]# cd efs
[root@ip-172-31-24-164 ec2-user]# cd efs
[root@ip-172-31-24-164 ec3]# sudo mount -t nfs4 -o nfsvers=4.l_rsize=1048576, wsize=10485
[root@ip-172-31-24-164 ec2-user]# cd efs
[root@ip-172-31-24-164 ec2-user]# cd efs
[root@ip-172-31-86-106 ec2-user]# cd efs
[root@ip-172-31-86-106 ec2-user]# cd efs
[root@ip-172-31-86-106 ec2-user]# cd efs
[root@ip-172-31-86-106 ec3]# sudo mount -t nfs4 -o nfsvers=4.l_rsize=1048576, wsize=1048576, wsize=
```

Create files in one console those must be reflected in the other terminal too.

If you clone the git repository it will be shared to the other instance too