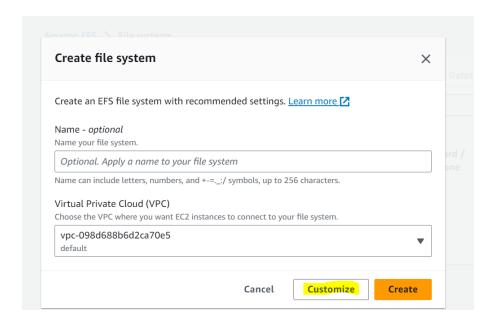## Elastic file system:

It helps to copy the data from one server to another.

[] Go to EFS

[] select create file system

[] select customize

Create file system

Create an EFS file system with recommended settings. Learn more

Name - optional
Name your file system.

Optional. Apply a name to 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-098d688b6d2ca70e5
default

Cancel   Customize   Create

 [] name

[] standard

[] in lifecycle management, select as our wish

[] in throughput mode

[] select enhanced

[] next

● Standard	○ One Zone
Stores data redundantly across multiple AZs	Stores data redundantly within a single AZ

Automatic backups

Automatically backup your file system data with AWS Backup using recommended settings. Additional pricing applies. Learn more [↗]

☑ Enable automatic backups

Lifecycle management

Automatically save money as access patterns change by moving files into the Standard-Infrequent Access (IA) storage class. Learn more [↗]

Transition into IA
Transition files from Standard to Standard-Infrequent Access.

| 30 day(s) since last access ▼ |

Transition out of IA
Transition files from Standard-Infrequent Access to Standard.

| None ▼ |

Encryption

Choose to enable encryption of your file system's data at rest. Uses the AWS KMS service key (aws/elasticfilesystem) by default. Learn more [↗]

☑ Enable encryption of data at rest

▶ **Customize encryption settings**

Performance settings

Throughput mode
Choose a method for your file system's throughput limits. Learn more [↗]

● Enhanced	○ Bursting
Provides more flexibility and higher throughput levels for workloads with a range of performance requirements.	Provides throughput that scales with the amount of storage for workloads with basic performance requirements.

[] select VPC which we want

[] in mount targets select our security groups

[] lunch 2 instances, (amazon Linux)

[] connect through putty

**   Instance A**

[] sudo su -

[] sudo yum install –y amazon-efs-utils

[] mkdir efs

[] go to EFS

[] select created EFS

[] in that select attach

[] select mount via DNS

[] copy that command (EFS mount helper)

then go to server

[] paste copied commands

 EX:(sudo mount -t efs -o tls fs-0984fcf787fbd5993:/ efs)

[] cd efs

[] vi hello.txt   (enter whatever)

In instance B

  [] sudo su -

[] sudo yum install –y amazon-efs-utils

[] mkdir efs

[] paste copied commands here also

[] cd efs

[] ls (we get hello.txt file here means it copy the instance A file to instance B)

```
  ~~        \#/ ___      https://aws.amazon.com/linux/amazon-linu
x-2023
    ~~        V~' '->
     ~~~           /
       ~~._.   _/
          _/ _/
         _/m/'
Last login: Tue Sep 26 07:13:15 2023 from 203.192.244.0
[ec2-user@ip-10-0-1-58 ~]$ sudo su -
Last login: Tue Sep 26 07:13:52 UTC 2023 on pts/2
[root@ip-10-0-1-58 ~]# sudo mount -t efs -o tls fs-08659510df
962bd4f:/ efs
/root/efs is already mounted, please run 'mount' command to v
erify
[root@ip-10-0-1-58 ~]# cd efs
[root@ip-10-0-1-58 efs]# ls
hello.txt
[root@ip-10-0-1-58 efs]# cat hello.txt
[root@ip-10-0-1-58 efs]# vi hello.txt
[root@ip-10-0-1-58 efs]# ls
hello.txt
[root@ip-10-0-1-58 efs]# cat hello.txt
hello this is kanchana
[root@ip-10-0-1-58 efs]#
```

```
Authenticating with public key "imported-openssh-key"
      #_
  '   ~\_  ####_         Amazon Linux 2023
  ~~    \_#####\
   ~~       \###|
    ~~       \#/ ___     https://aws.amazon.com/linux/amazon-linux-2023
      ~~       V~' '->
       ~~~          /
        ~~._.   _/
           _/ _/
          _/m/'
Last login: Tue Sep 26 07:13:56 2023 from 203.192.244.0
[ec2-user@ip-10-0-1-82 ~]$ sudo mount -t efs -o tls fs-08659510df962bd4f:/ efs
b'mount.nfs4: mount point efs does not exist'
[ec2-user@ip-10-0-1-82 ~]$ cd efs
-bash: cd: efs: No such file or directory
[ec2-user@ip-10-0-1-82 ~]$ mkdir efs
[ec2-user@ip-10-0-1-82 ~]$ sudo mount -t efs -o tls fs-08659510df962bd4f:/ efs
[ec2-user@ip-10-0-1-82 ~]$ cd efs
[ec2-user@ip-10-0-1-82 efs]$ ls
hello.txt
[ec2-user@ip-10-0-1-82 efs]$ cat hello.txt
hello this is kanchana
[ec2-user@ip-10-0-1-82 efs]$
```