

Create a new file share of 500GB between above 2 Linux instances and mount it on both the servers

EFS:

The screenshot displays the AWS Elastic File System (EFS) console interface. The browser address bar shows the URL: `us-east-2.console.aws.amazon.com/efs/home?region=us-east-2#/file-systems/fs-07350b127f1e06b49`. The left-hand navigation pane is titled "Elastic File System" and includes links for "File systems", "Access points", "AWS Backup", "AWS DataSync", "AWS Transfer", and "Documentation". The main content area is titled "Amazon EFS > File systems > fs-07350b127f1e06b49" and shows the configuration for the file system "EFS (fs-07350b127f1e06b49)". At the top right of the main area are "Delete" and "Attach" buttons. Below the title is a "General" tab with an "Edit" button. The "General" tab contains the following information:

- Performance mode:** General Purpose
- Throughput mode:** Bursting
- Lifecycle management:** Transition into IA: 30 days since last access; Transition out of IA: On first access
- Availability zone:** us-east-2a
- Automatic backups:** Disabled
- Encrypted:** 7c38b4b3-6071-49f8-97de-dbc6fee5cc29 (aws/elasticfilesystem)
- File system state:** Available (indicated by a green checkmark)
- DNS name:** fs-07350b127f1e06b49.efs.us-east-2.amazonaws.com

Below the "General" tab is a "Metered size" tab, which is currently selected. It shows a "Total size" of 6.00 KiB. At the bottom of the console, there is a status bar with "Feedback", "English (US)", "© 2022, Amazon Internet Services Private Ltd. or its affiliates.", "Privacy", "Terms", "Cookie preferences", and a system clock showing "17:06" and "28-02-2022".

```

Running transaction
Installing : stunnel-4.56-6.amzn2.0.3.x86_64                                1/2
Installing : amazon-efs-utils-1.31.3-1.amzn2.noarch                        2/2
Verifying : stunnel-4.56-6.amzn2.0.3.x86_64                               1/2
Verifying : amazon-efs-utils-1.31.3-1.amzn2.noarch                         2/2

Installed:
  amazon-efs-utils.noarch 0:1.31.3-1.amzn2

Dependency Installed:
  stunnel.x86_64 0:4.56-6.amzn2.0.3

Complete!
[ec2-user@ip-10-0-0-237 ~]$
[ec2-user@ip-10-0-0-237 ~]$
[ec2-user@ip-10-0-0-237 ~]$
[ec2-user@ip-10-0-0-237 ~]$
[ec2-user@ip-10-0-0-237 ~]$
[ec2-user@ip-10-0-0-237 ~]$ mkdir efs
[ec2-user@ip-10-0-0-237 ~]$ ls
efs
[ec2-user@ip-10-0-0-237 ~]$ sudo mount -t efs -o tls fs-07350b127f1e06b49:/ efs
[ec2-user@ip-10-0-0-237 ~]$ df -h

```

Public IPs: 3.135.193.180 Private IPs: 10.0.0.237

```
us-east-2.console.aws.amazon.com/ec2/v2/connect/ec2-user/i-0406c12b85e9d1639

[ec2-user@ip-10-0-0-237 ~]$ sudo yum install -y amazon-efs-utils
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amzn2-core
Package amazon-efs-utils-1.31.3-1.amzn2.noarch already installed and latest version
Nothing to do
[ec2-user@ip-10-0-0-237 ~]$ ls
efs
[ec2-user@ip-10-0-0-237 ~]$ df -h
Filesystem      Size  Used Avail Use% Mounted on
devtmpfs        475M  0  475M   0% /dev
tmpfs           483M  0  483M   0% /dev/shm
tmpfs           483M 400K  483M   1% /run
tmpfs           483M  0  483M   0% /sys/fs/cgroup
/dev/xvda1      8.0G  1.6G  6.5G  20% /
tmpfs          97M  0  97M   0% /run/user/1000
[ec2-user@ip-10-0-0-237 ~]$ mkdir dir1
[ec2-user@ip-10-0-0-237 ~]$ sudo mount -t efs -o tls fs-07350b127f1e06b49:/ dir1
[ec2-user@ip-10-0-0-237 ~]$ df -h
Filesystem      Size  Used Avail Use% Mounted on
devtmpfs        475M  0  475M   0% /dev
tmpfs           483M  0  483M   0% /dev/shm
tmpfs           483M 460K  483M   1% /run
tmpfs           483M  0  483M   0% /sys/fs/cgroup
/dev/xvda1      8.0G  1.6G  6.5G  20% /
tmpfs          97M  0  97M   0% /run/user/1000
127.0.0.1:/      8.0E  0  8.0E   0% /home/ec2-user/dir1
[ec2-user@ip-10-0-0-237 ~]$
```

Public IPs: 18.119.112.43 Private IPs: 10.0.0.237

Windows taskbar showing search bar, taskbar icons (File Explorer, Chrome, Teams, Settings, Edge, Word, PowerPoint), system tray (31°C Sunny, 17:01, 28-02-2022).

```
mymassmutual-0: x VPC Manager X Amazon EFS x Instances | EC2 x I-0a053d8d2418: x I-0406c12b85e: x command to c: x How to Create A: x +
```

```
< > ↺ ⌂ us-east-2.console.aws.amazon.com/ec2/v2/connect/ec2-user/i-0a053d8d2418d4a9c ☆ ⚙ S :  
Last login: Mon Feb 28 11:28:59 2022 from ec2-3-16-146-1.us-east-2.compute.amazonaws.com  
  
      _   _          _  
     / \   \       / \    )  
    /___\   \_____/___\  /  
   /___/ \___/_____/\_/  
  /___/___/_____/_/___/  
Amazon Linux 2 AMI  
  
https://aws.amazon.com/amazon-linux-2/  
9 package(s) needed for security, out of 14 available  
Run "sudo yum update" to apply all updates.  
[ec2-user@ip-10-0-0-190 ~]$ sudo yum install -y amazon-efs-utils  
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd  
Resolving Dependencies  
--> Running transaction check  
--> Package amazon-efs-utils.noarch 0:1.31.3-1.amzn2 will be installed  
--> Processing Dependency: stunnel >= 4.56 for package: amazon-efs-utils-1.31.3-1.amzn2.noarch  
--> Running transaction check  
--> Package stunnel.x86_64 0:4.56-6.amzn2.0.3 will be installed  
--> Finished Dependency Resolution  
  
Dependencies Resolved  
  
=====
```

Package	Arch	Version	Repository	Size
Installing:				
amazon-efs-utils	noarch	1.31.3-1.amzn2	amzn2-core	48 k
Installing for dependencies:				
stunnel	x86_64	4.56-6.amzn2.0.3	amzn2-core	149 k

```
Transaction Summary  
-----  
Install 1 Package (+1 Dependent package)  
  
Total download size: 197 k
```

Public IPs: 18.116.52.174 Private IPs: 10.0.0.190

```
Type here to search
mrmassmutual: x VPC Manager: x Amazon EFS x Instances | EC2 M x I-0a053d8d2418: x I-0406c12b85e9: x command to con x How to Create A x + - □ x
us-east-2.console.aws.amazon.com/ec2-user/f-0a053d8d2418J4a9c
(1/2): amazon-efs-utils-1.31.3-1.amzn2.noarch.rpm | 48 kB 00:00:00
(2/2): stunnel-4.56-6.amzn2.0.3.x86_64.rpm | 149 kB 00:00:00
-----
Total | 1.4 MB/s | 197 kB 00:00:00
Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
Installing : stunnel-4.56-6.amzn2.0.3.x86_64 1/2
Installing : amazon-efs-utils-1.31.3-1.amzn2.noarch 2/2
Verifying : stunnel-4.56-6.amzn2.0.3.x86_64 1/2
Verifying : amazon-efs-utils-1.31.3-1.amzn2.noarch 2/2
Installed:
amazon-efs-utils.noarch 0:1.31.3-1.amzn2
Dependency Installed:
stunnel.x86_64 0:4.56-6.amzn2.0.3
Complete!
[ec2-user@ip-10-0-0-190 ~]$ mkdir dir2
[ec2-user@ip-10-0-0-190 ~]$ ls
dir2
[ec2-user@ip-10-0-0-190 ~]$ sudo mount -t efs -o tls fs-07350b127f1e06b49:/ dir2
[ec2-user@ip-10-0-0-190 ~]$ df -h
Filesystem      Size  Used Avail Use% Mounted on
devtmpfs        475M   0   475M   0% /dev
tmpfs           483M   0   483M   0% /dev/shm
tmpfs           483M 460K   483M   1% /run
tmpfs           483M   0   483M   0% /sys/fs/cgroup
/dev/xvda1      8.0G  1.6G   6.5G  19% /
tmpfs           97M   0    97M   0% /run/user/1000
ip-10-0-0-1:/   8.0E   0   8.0E   0% /home/ec2-user/dir2
[ec2-user@ip-10-0-0-190 ~]$
```

Public IPs: 18.116.52.174 Private IPs: 10.0.0.190