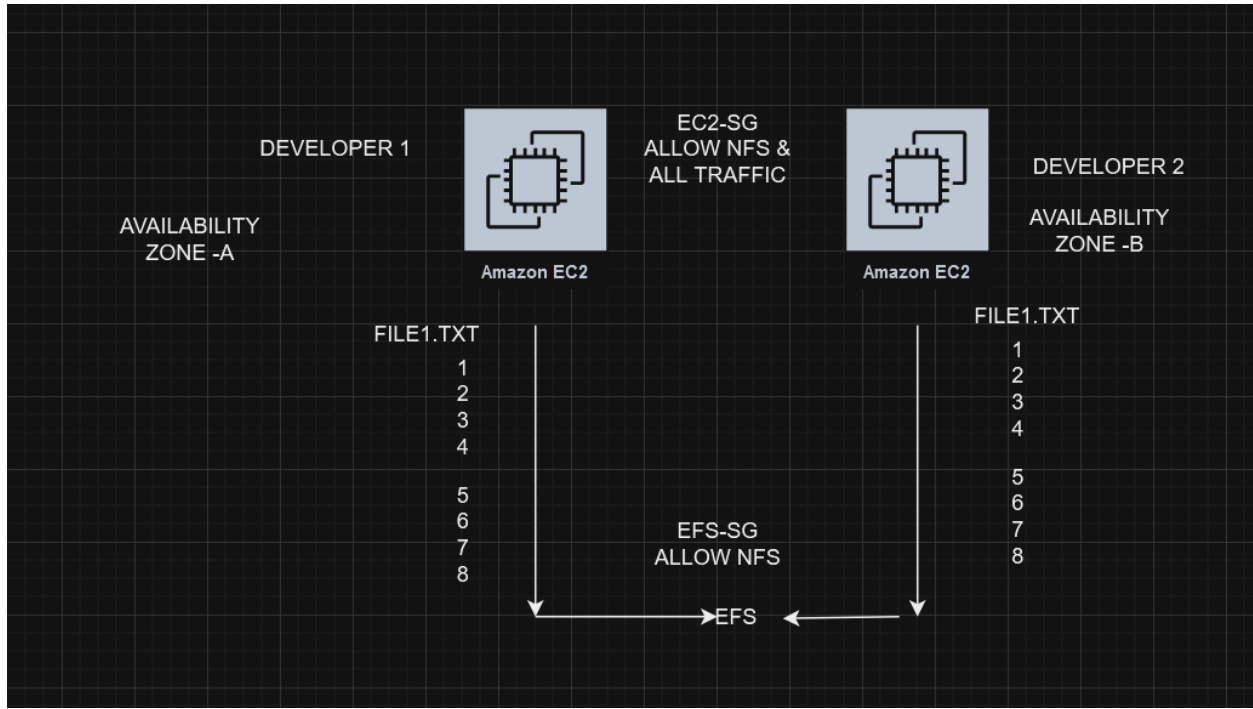


## ELASTIC FILE SYSTEM:



Instances (2) Info

Find Instance by attribute or tag (case-sensitive)

Filter: RUNNING

Name	Instance ID	Instance state	Instance type	Status
AZ-B	i-0512846a83da5d916	Running	t2.micro	Initial
AZ-A	i-03892078aba5f53d2	Running	t2.micro	Initial

CREATE TWO INSTANCES WITH 2 DIFFERENT AVAILABILITY ONE.

USE SAME SECURITY GROUP FOR BOTH THE INSTANCES.

Select an instance

Instance: i-03892078aba5f53d2 (AZ-A)

Details Status and alarms New Monitoring Security Networking Storage Tags

Security details

IAM Role: -

Owner ID: 709398145454

Launch time: Thu Apr 04 2024 15:13:45 GMT+0530 (India Standard Time)

The image shows two screenshots of the AWS Management Console. The top screenshot displays the 'Edit inbound rules' page for a security group. The bottom screenshot displays the 'Instances' page with details for instance i-0512846a83da5d916 (AZ-B).

**Top Screenshot: Edit inbound rules**

URL: <https://us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#ModifyInboundSecurityGroupRules>

Page Title: Edit inbound rules

Sub-header: Inbound rules control the incoming traffic that's allowed to reach the instance.

**Inbound rules**

Security group rule ID	Type	Protocol	Port range	Source	Description - optional	Actions
sgr-0b3a95905ea4ec880	NFS	TCP	2049	Cu...		Delete
sgr-089b06515d3c15569	SSH	TCP	22	Cu...		Delete

**Bottom Screenshot: Instances**

URL: <https://us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Instances:search=:RUNNINGv=3>

Page Title: Instances (1/2)

Filters: RUNNING

Name	Instance ID	Instance state	Instance type	Status
AZ-B	i-0512846a83da5d916	Running	t2.micro	2/2
AZ-A	i-03892078aba5f53d2	Running	t2.micro	2/2

**Instance: i-0512846a83da5d916 (AZ-B)**

Details | Status and alarms | Monitoring | **Security** | Networking | Storage | Tags

**Security details**

Owner ID	Launch time
709398145454	Thu Apr 04 2024 15:14:40 GMT+0530 (India Standard Time)

The screenshot shows the AWS Management Console interface for editing inbound rules of a security group. The breadcrumb navigation is: EC2 > Security Groups > sg-08eb41670da8c8020 - EC2-SG > Edit inbound rules. The page title is 'Edit inbound rules' with an 'Info' link. A sub-header states: 'Inbound rules control the incoming traffic that's allowed to reach the instance.'

The 'Inbound rules' section contains a table with the following data:

Security group rule ID	Type	Protocol	Port range	Source	Description - optional	
sgr-0b3a95905ea4ec880	NFS	TCP	2049	Cu...		Delete
sgr-089b06515d3c15569	SSH	TCP	22	Cu...		Delete

## CREATE NEW SECURITY GROUP FOR EFS:

The screenshot shows the AWS Management Console interface for the details of a security group. The breadcrumb navigation is: EC2 > Security Groups > sg-0e4bf4cadeb11669 - EFS-SG. The page title is 'sg-0e4bf4cadeb11669 - EFS-SG' with an 'Actions' dropdown menu.

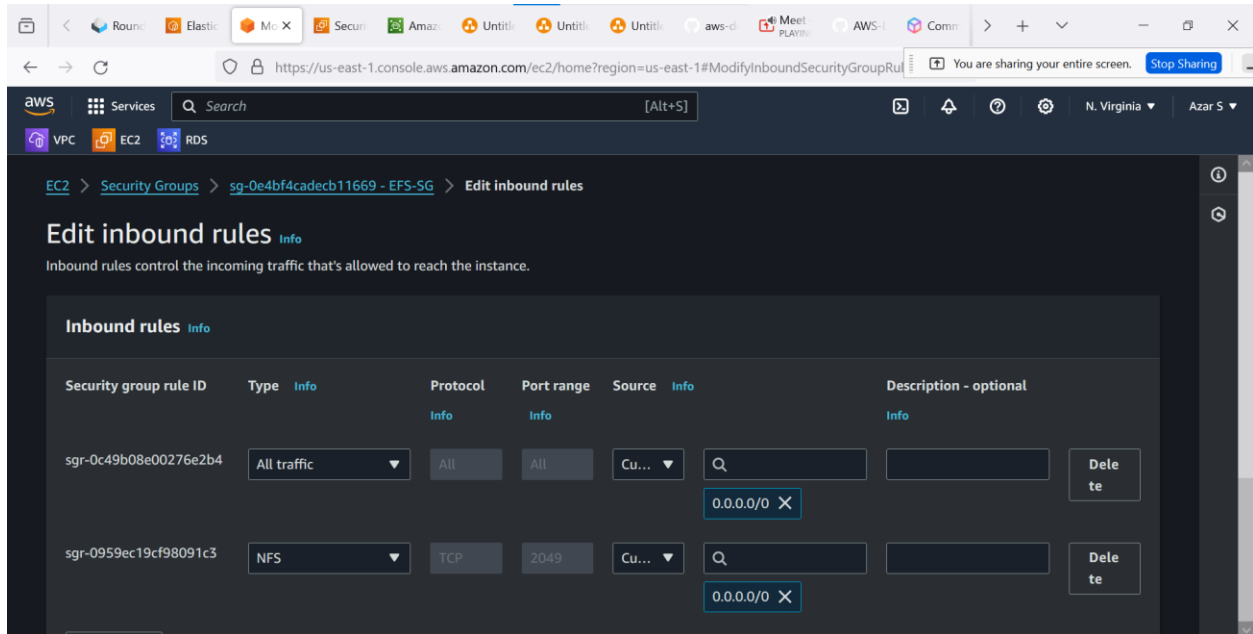
The 'Details' section contains the following information:

Security group name	Security group ID	Description	VPC ID
EFS-SG	sg-0e4bf4cadeb11669	EFS-SG	vpc-00254855cb820ce1a

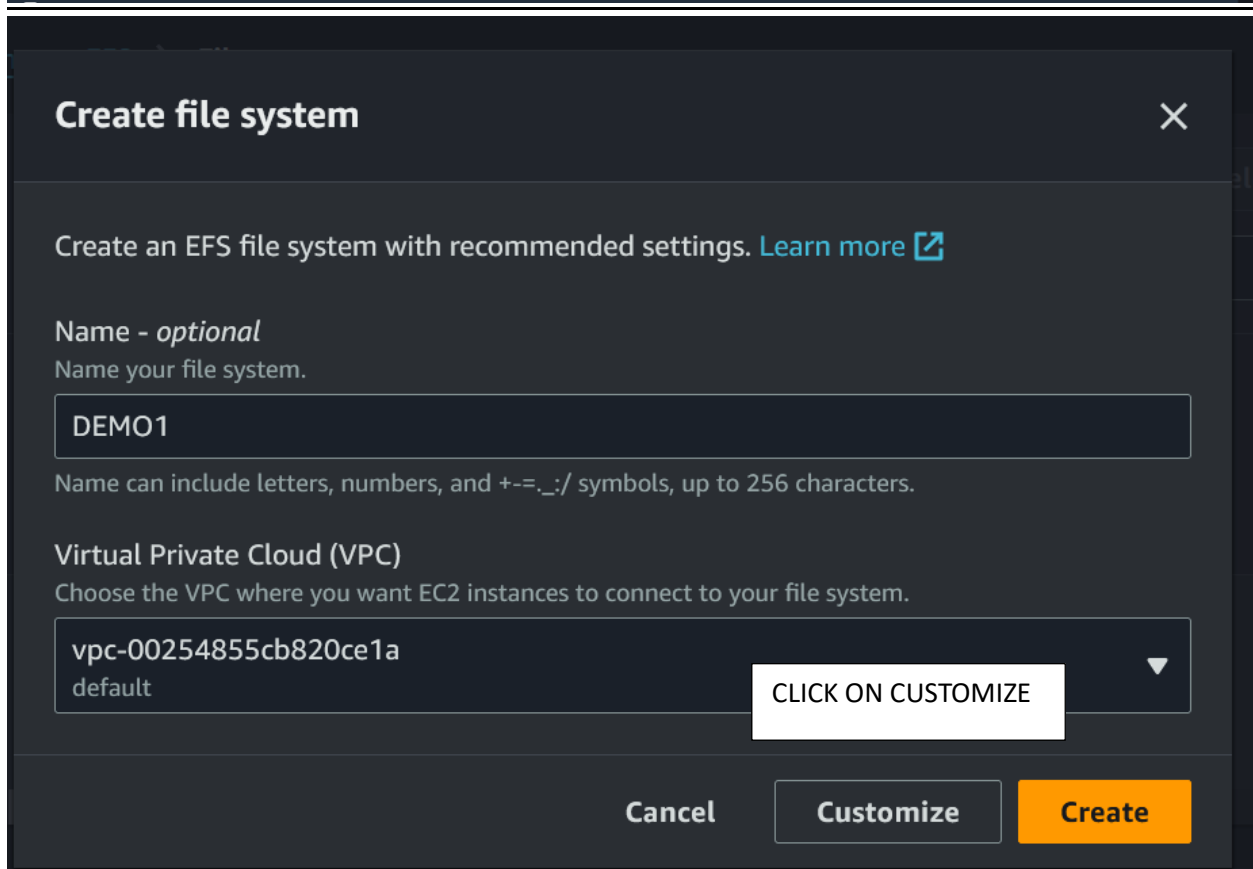
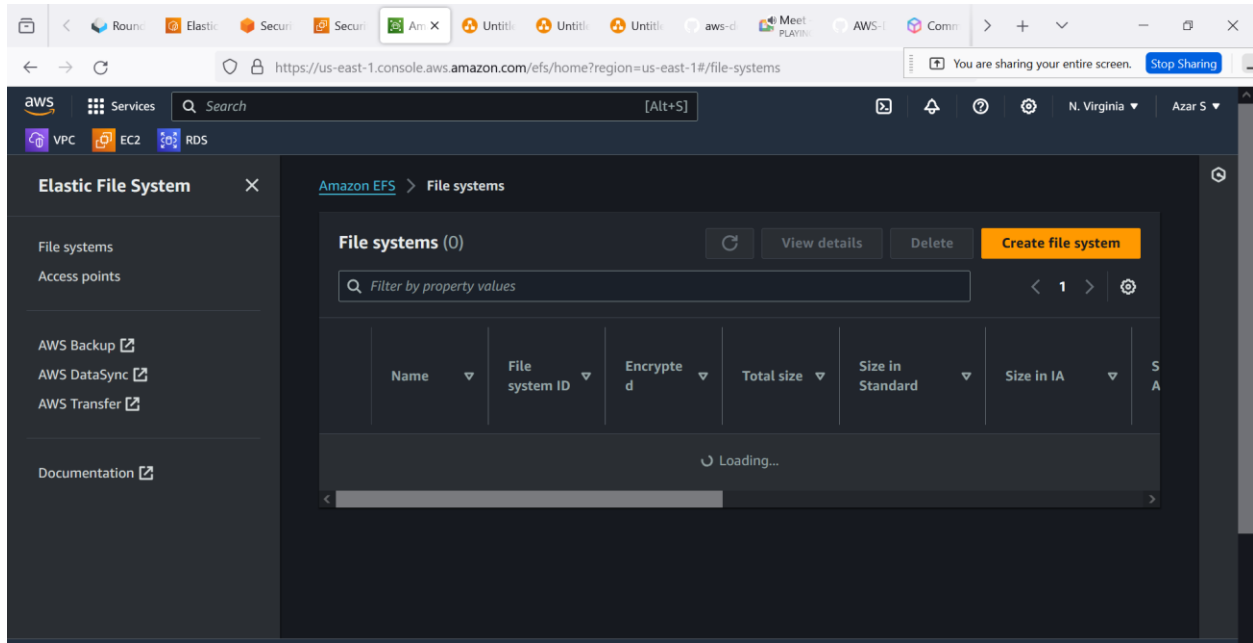
Additional details shown below the table:

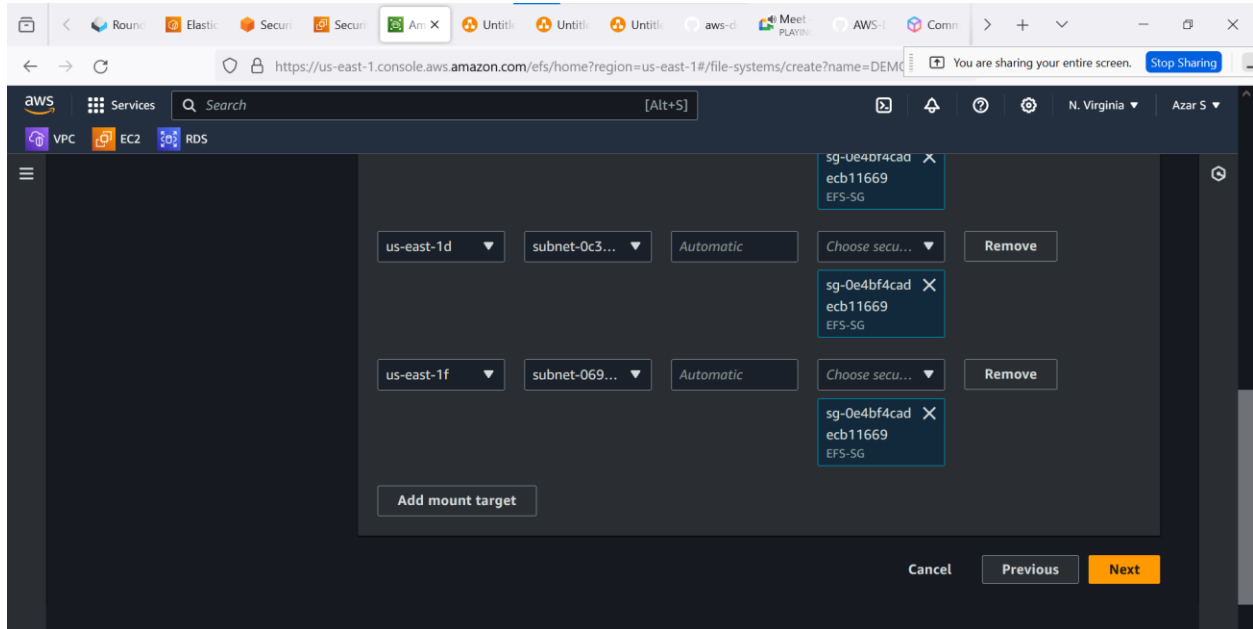
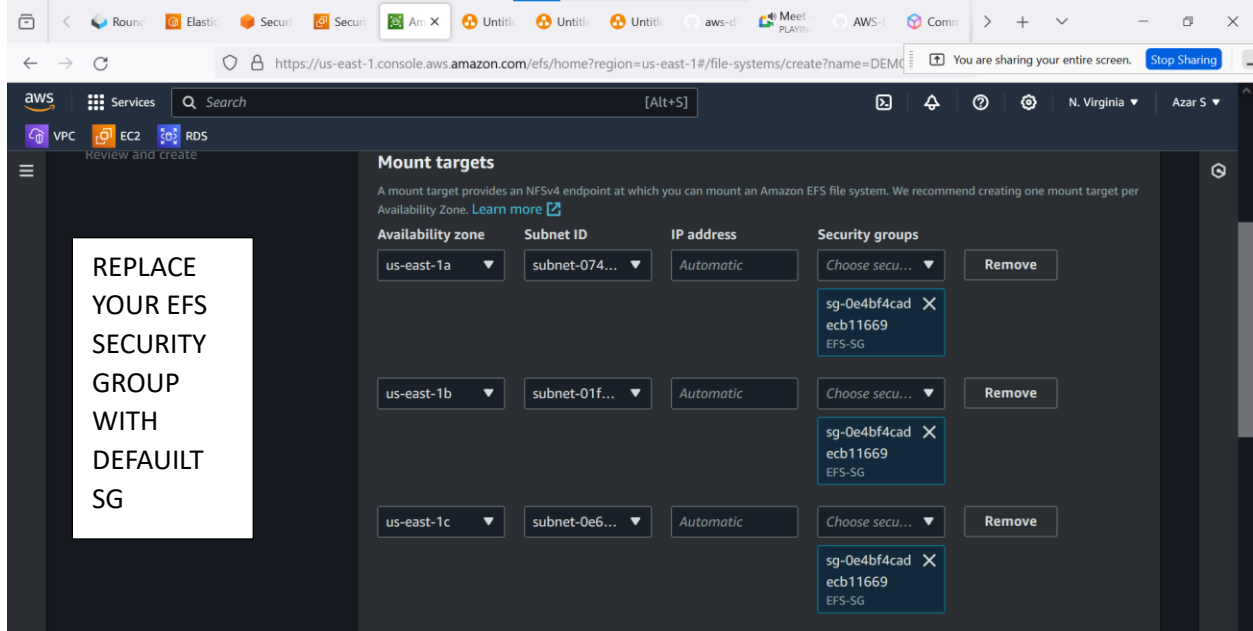
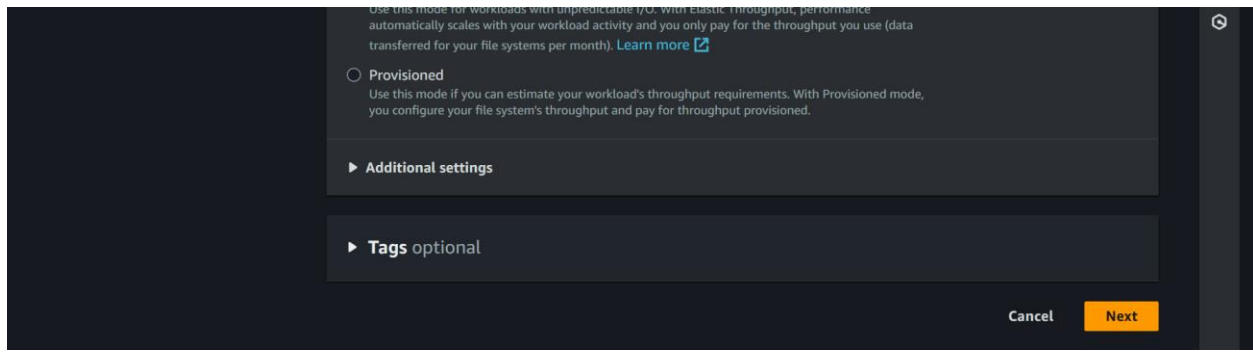
Owner	Inbound rules count	Outbound rules count
709398145454	2 Permission entries	1 Permission entry

At the bottom, there are tabs for 'Inbound rules', 'Outbound rules', and 'Tags'.



**CREATE EFS :**





The screenshot displays the AWS Elastic File System (EFS) console. The top navigation bar shows the AWS logo, a search bar, and the region 'N. Virginia'. The left sidebar contains links to 'Elastic File System', 'File systems', 'Access points', 'AWS Backup', 'AWS DataSync', 'AWS Transfer', and 'Documentation'. The main content area shows the 'File systems (1)' list with a table containing one entry: 'DEMO' with file system ID 'fs-032d9fed3be009f97', encrypted status 'Encrypted', total size '6.00 KiB', size in Standard '6.00 KiB', size in IA '0 Bytes', and size in S '0 Bytes'. Below the table, the details for the 'DEMO' file system are shown, including 'General' information: Performance mode (General Purpose), Throughput mode (Elastic), Lifecycle management (Transition into Infrequent Access (IA): 30 day(s) since last access, Transition into Archive: 90 day(s) since last access, Transition into Standard: None), Availability zone (us-east-1), Automatic backups (Enabled), Encrypted (913fe5c1-541d-40b4-9f87-fda1b6b7a7c8 (aws/elasticfilesystem)), File system state (Available), and DNS name (fs-032d9fed3be009f97.efs.us-east-1.amazonaws.com). A callout box with the text 'CLICK ON ATTACH' points to the 'Attach' button.

**File systems (1)**

Name	File system ID	Encrypted	Total size	Size in Standard	Size in IA	Size in S
DEMO	fs-032d9fed3be009f97	Encrypted	6.00 KiB	6.00 KiB	0 Bytes	0 Bytes

**DEMO (fs-032d9fed3be009f97)**

**General**

Performance mode: General Purpose

Throughput mode: Elastic

Lifecycle management: Transition into Infrequent Access (IA): 30 day(s) since last access, Transition into Archive: 90 day(s) since last access, Transition into Standard: None

Availability zone: us-east-1

Automatic backups: Enabled

Encrypted: 913fe5c1-541d-40b4-9f87-fda1b6b7a7c8 (aws/elasticfilesystem)

File system state: Available

DNS name: fs-032d9fed3be009f97.efs.us-east-1.amazonaws.com



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-032d9fed3be009f97:/ efs
```

Using the NFS client:

EFS MOUNT POINT

```
sudo mount -t nfs4 -o nfsvers=4.1,rsize=1048576,wsiz=1048576,hard,timeo=600,retrans=2,noresvport fs-032d9fed3be009f97.efs.us-east-1.amazonaws.com:/ efs
```

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

Close

AZ-A

Terminal Sessions View X server Tools Games Settings Macros Help

Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help

Quick connect...

/home/ec2-user/

Name

..

.ssh

.bash\_logout

.bash\_profile

.bashrc

Remote monitoring

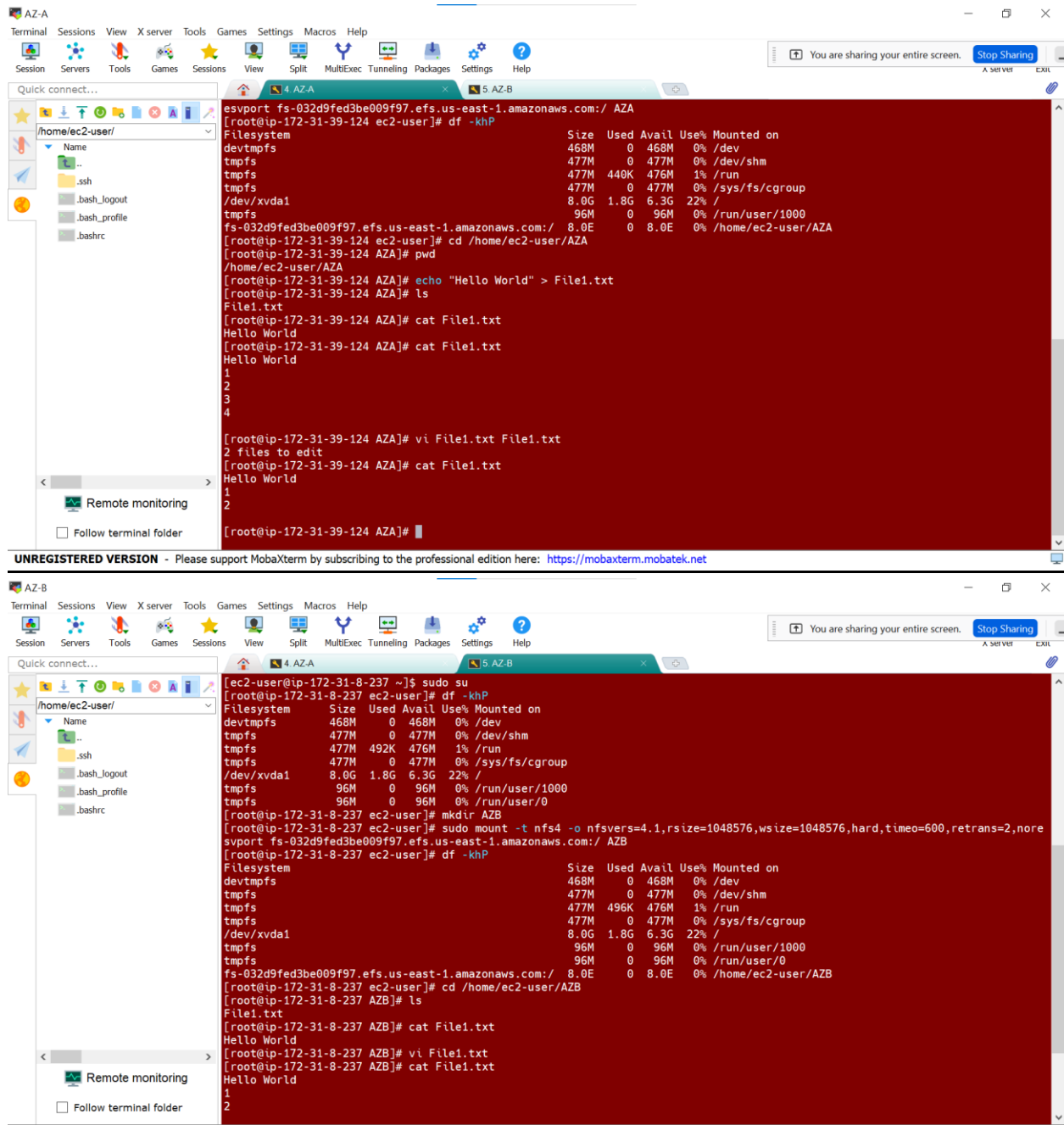
☐ Follow terminal folder

4 AZ-A

5 AZ-B

```
[ec2-user@ip-172-31-39-124 ~]$ sudo su
[root@ip-172-31-39-124 ec2-user]# df -khP
Filesystem      Size  Used Avail Use% Mounted on
devtmpfs        468M   0  468M   0% /dev
tmpfs           477M   0  477M   0% /dev/shm
tmpfs           477M 436K  476M   1% /run
tmpfs           477M   0  477M   0% /sys/fs/cgroup
/dev/xvda1      8.0G  1.8G   6.3G  22% /
tmpfs           96M   0   96M   0% /run/user/1000
[root@ip-172-31-39-124 ec2-user]# mkdir AZA
[root@ip-172-31-39-124 ec2-user]# cd AZA
[root@ip-172-31-39-124 AZA]# ..
[root@ip-172-31-39-124 ec2-user]# sudo mount -t nfs4 -o nfsvers=4.1,rsize=1048576,wsiz=1048576,hard,timeo=600,retrans=2,noresvport fs-032d9fed3be009f97.efs.us-east-1.amazonaws.com:/ AZA
[root@ip-172-31-39-124 ec2-user]# df -khP
Filesystem      Size  Used Avail Use% Mounted on
devtmpfs        468M   0  468M   0% /dev
tmpfs           477M   0  477M   0% /dev/shm
tmpfs           477M 440K  476M   1% /run
tmpfs           477M   0  477M   0% /sys/fs/cgroup
/dev/xvda1      8.0G  1.8G   6.3G  22% /
tmpfs           96M   0   96M   0% /run/user/1000
fs-032d9fed3be009f97.efs.us-east-1.amazonaws.com:/ 8.0E   0  8.0E   0% /home/ec2-user/AZA
[root@ip-172-31-39-124 ec2-user]# cd /home/ec2-user/AZA
[root@ip-172-31-39-124 AZA]# pwd
/home/ec2-user/AZA
[root@ip-172-31-39-124 AZA]# echo "Hello World" > File1.txt
[root@ip-172-31-39-124 AZA]# ls
File1.txt
[root@ip-172-31-39-124 AZA]# cat File1.txt
Hello World
[root@ip-172-31-39-124 AZA]# cat File1.txt
```

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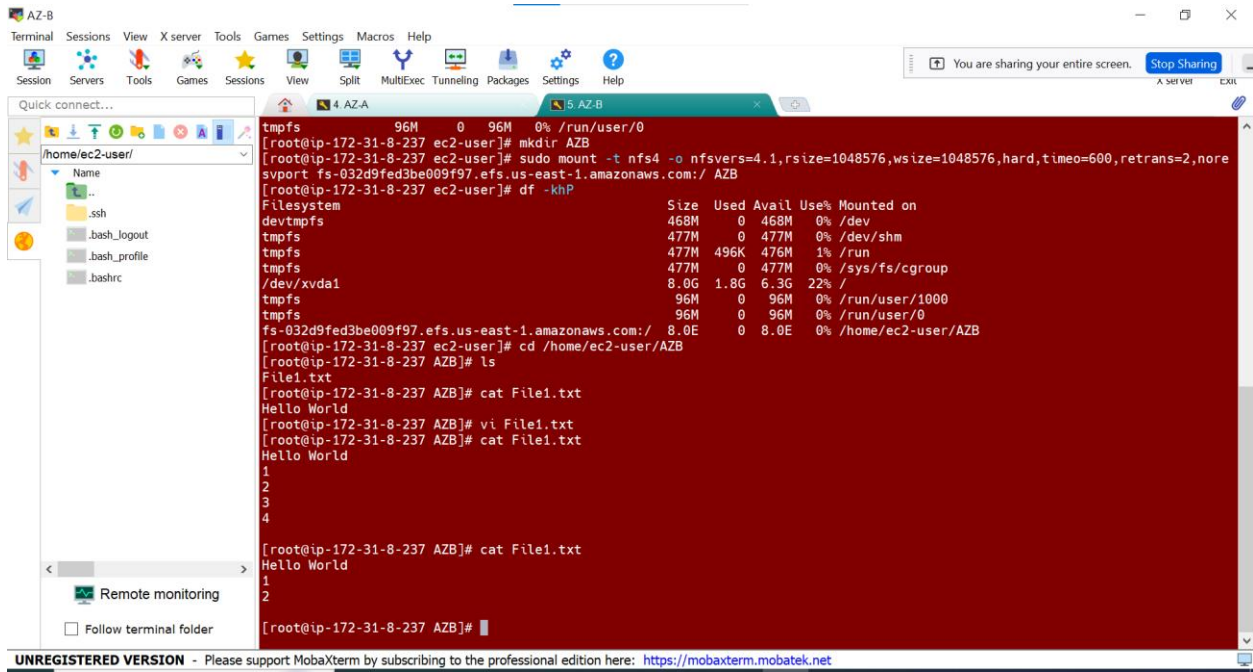


**AZ-A**

```
esvport fs-032d9fed3be009f97.efs.us-east-1.amazonaws.com:/ AZA
[root@ip-172-31-39-124 ec2-user]# df -khP
Filesystem              Size  Used Avail Use% Mounted on
devtmpfs                468M   0  468M   0% /dev
tmpfs                   477M   0  477M   0% /dev/shm
tmpfs                   477M 440K  476M   1% /run
tmpfs                   477M   0  477M   0% /sys/fs/cgroup
/dev/xvda1              8.0G  1.8G   6.3G  22% /
tmpfs                   96M   0   96M   0% /run/user/1000
fs-032d9fed3be009f97.efs.us-east-1.amazonaws.com:/ 8.0E   0   8.0E   0% /home/ec2-user/AZA
[root@ip-172-31-39-124 ec2-user]# cd /home/ec2-user/AZA
[root@ip-172-31-39-124 AZA]# pwd
/home/ec2-user/AZA
[root@ip-172-31-39-124 AZA]# echo "Hello World" > File1.txt
[root@ip-172-31-39-124 AZA]# ls
File1.txt
[root@ip-172-31-39-124 AZA]# cat File1.txt
Hello World
[root@ip-172-31-39-124 AZA]# cat File1.txt
Hello World
1
2
3
4
[root@ip-172-31-39-124 AZA]# vi File1.txt File1.txt
2 files to edit
[root@ip-172-31-39-124 AZA]# cat File1.txt
Hello World
1
2
[root@ip-172-31-39-124 AZA]#
```

**AZ-B**

```
[ec2-user@ip-172-31-8-237 ~]$ sudo su
[root@ip-172-31-8-237 ec2-user]# df -khP
Filesystem              Size  Used Avail Use% Mounted on
devtmpfs                468M   0  468M   0% /dev
tmpfs                   477M   0  477M   0% /dev/shm
tmpfs                   477M 492K  476M   1% /run
tmpfs                   477M   0  477M   0% /sys/fs/cgroup
/dev/xvda1              8.0G  1.8G   6.3G  22% /
tmpfs                   96M   0   96M   0% /run/user/1000
tmpfs                   96M   0   96M   0% /run/user/0
fs-032d9fed3be009f97.efs.us-east-1.amazonaws.com:/ 8.0E   0   8.0E   0% /home/ec2-user/AZB
[root@ip-172-31-8-237 ec2-user]# mkdir AZB
[root@ip-172-31-8-237 ec2-user]# sudo mount -t nfs4 -o nfsvers=4.1,rsize=1048576,wsize=1048576,hard,timeo=600,retrans=2,nore
svport fs-032d9fed3be009f97.efs.us-east-1.amazonaws.com:/ AZB
[root@ip-172-31-8-237 ec2-user]# df -khP
Filesystem              Size  Used Avail Use% Mounted on
devtmpfs                468M   0  468M   0% /dev
tmpfs                   477M   0  477M   0% /dev/shm
tmpfs                   477M 496K  476M   1% /run
tmpfs                   477M   0  477M   0% /sys/fs/cgroup
/dev/xvda1              8.0G  1.8G   6.3G  22% /
tmpfs                   96M   0   96M   0% /run/user/1000
tmpfs                   96M   0   96M   0% /run/user/0
fs-032d9fed3be009f97.efs.us-east-1.amazonaws.com:/ 8.0E   0   8.0E   0% /home/ec2-user/AZB
[root@ip-172-31-8-237 ec2-user]# cd /home/ec2-user/AZB
[root@ip-172-31-8-237 AZB]# ls
File1.txt
[root@ip-172-31-8-237 AZB]# cat File1.txt
Hello World
[root@ip-172-31-8-237 AZB]# vi File1.txt
[root@ip-172-31-8-237 AZB]# cat File1.txt
Hello World
1
2
```



The screenshot shows a MobaXterm terminal window with a red background. The terminal displays the following commands and output:

```
[root@ip-172-31-8-237 ec2-user]# mkdir AZB
[root@ip-172-31-8-237 ec2-user]# sudo mount -t nfs4 -o nfsvers=4.1,rsize=1048576,wsz=1048576,hard,timeo=600,retrans=2,nore
svport fs-032d9fed3be009f97.efs.us-east-1.amazonaws.com:/ AZB
[root@ip-172-31-8-237 ec2-user]# df -khP
Filesystem                                Size  Used Avail Use% Mounted on
devtmpfs                                 468M   0  468M   0% /dev
tmpfs                                    477M   0  477M   0% /dev/shm
tmpfs                                    477M 496K  476M   1% /run
tmpfs                                    477M   0  477M   0% /sys/fs/cgroup
/dev/xvda1                             8.0G  1.8G   6.3G  22% /
tmpfs                                    96M   0   96M   0% /run/user/1000
tmpfs                                    96M   0   96M   0% /run/user/0
fs-032d9fed3be009f97.efs.us-east-1.amazonaws.com:/ 8.0E   0  8.0E   0% /home/ec2-user/AZB
[root@ip-172-31-8-237 ec2-user]# cd /home/ec2-user/AZB
[root@ip-172-31-8-237 AZB]# ls
File1.txt
[root@ip-172-31-8-237 AZB]# cat File1.txt
Hello World
[root@ip-172-31-8-237 AZB]# vi File1.txt
[root@ip-172-31-8-237 AZB]# cat File1.txt
Hello World
1
2
3
4
[root@ip-172-31-8-237 AZB]# cat File1.txt
Hello World
1
2
[root@ip-172-31-8-237 AZB]#
```

The terminal window also shows a file explorer on the left with the path `/home/ec2-user/` and a list of files: `.ssh`, `.bash_logout`, `.bash_profile`, and `.bashrc`. The bottom of the window displays the text: **UNREGISTERED VERSION** - Please support MobaXterm by subscribing to the professional edition here: <https://mobaxterm.mobatek.net>.