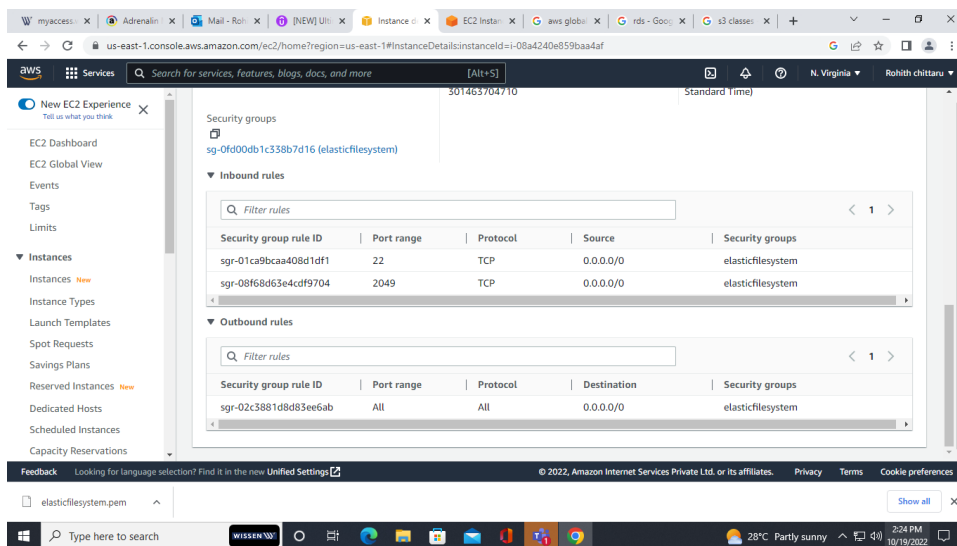


## Add Inbound rule NFS-2049 to connect Elastic file system



us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-08a4240e859baa4af8&osUser=ec2-user&region=us-east-1&sshPort=22

```
Oct 19 09:11:31 efs1 systemd[1]: Starting NFS server and services...
Oct 19 09:11:32 efs1 systemd[1]: Started NFS server and services.
[root@efs1 ~]# mkdir efs
[root@efs1 ~]# ls
efs
[root@efs1 ~]# history
1  yum update -y
2  hostnamectl set-hostname efs1
3  exec bash
4  amazon-linux-extras
5  sudo yum install -y amazon-efs-utils
6  sudo service nfs status
7  sudo service nfs start
8  sudo service nfs status
9  mkdir efs
10 ls
11 history
```

i-08a4240e859baa4af (EFS1)

PublicIPs: 34.230.53.94 PrivateIPs: 172.31.35.68

us-east-1.console.aws.amazon.com/efs/home?region=us-east-1#/get-started

## Amazon Elastic File System

Scalable, elastic, cloud-native NFS file system

Amazon Elastic File System (Amazon EFS) provides a simple, scalable, elastic file system for general purpose workloads for use with AWS Cloud services and on-premises resources.

**Create file system**

Create an EFS file system with service recommended settings.

**Create file system**

**Pricing**

Standard storage	\$0.30 per GB
Standard-Infrequent Access storage	\$0.025 per GB
One Zone storage	\$0.160 per GB

us-east-1.console.aws.amazon.com/efs/home?region=us-east-1#/file-systems

**Elastic File System**

File systems  
Access points  
AWS Backup  
AWS DataSync  
AWS Transfer  
Documentation

Amazon EFS > File systems

Introducing EFS Replication  
Keep an up-to-date copy of your file system in a region or availability zone of your choice.  
[What's new](#) | [Documentation](#) | [AWS Storage Blog](#)

File systems (0)  
Filter by property values

Name	File system ID	Encryption	Total size	Size in Standard / One Zone	Size in Standard-IA / One Zone-IA	Provisioned Throughput (MiB/s)
No resources						

Create file system

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us-east-1.console.aws.amazon.com/efs/home?region=us-east-1#/file-systems

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AWS Backup  
AWS DataSync  
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Amazon EFS > File systems

Create file system

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

Name - optional  
Name your file system.  
connectingwithmultipleAZs  
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. [Learn more](#)  
vpc-0c1e1046b65561184  
default

Storage class [Learn more](#)

☒ Standard  
Stores data redundantly across multiple AZs

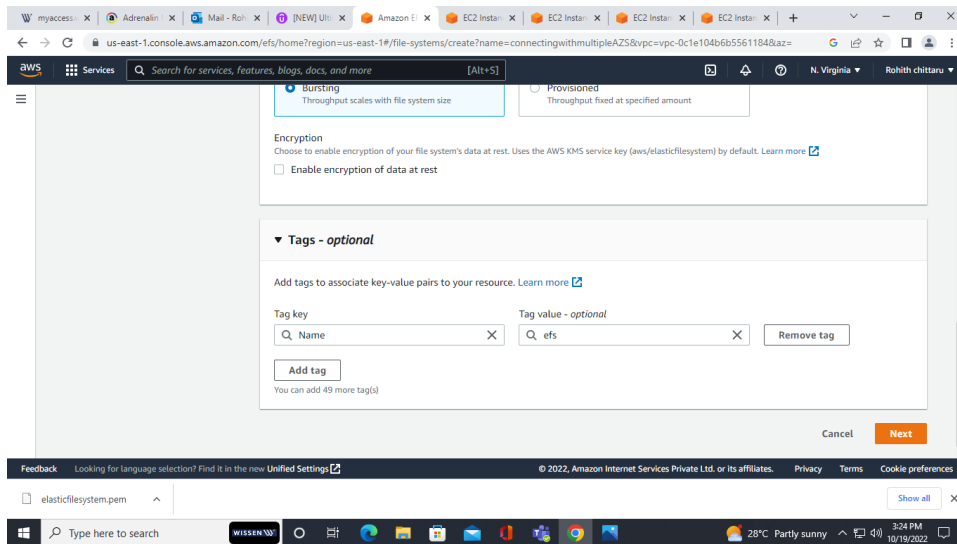
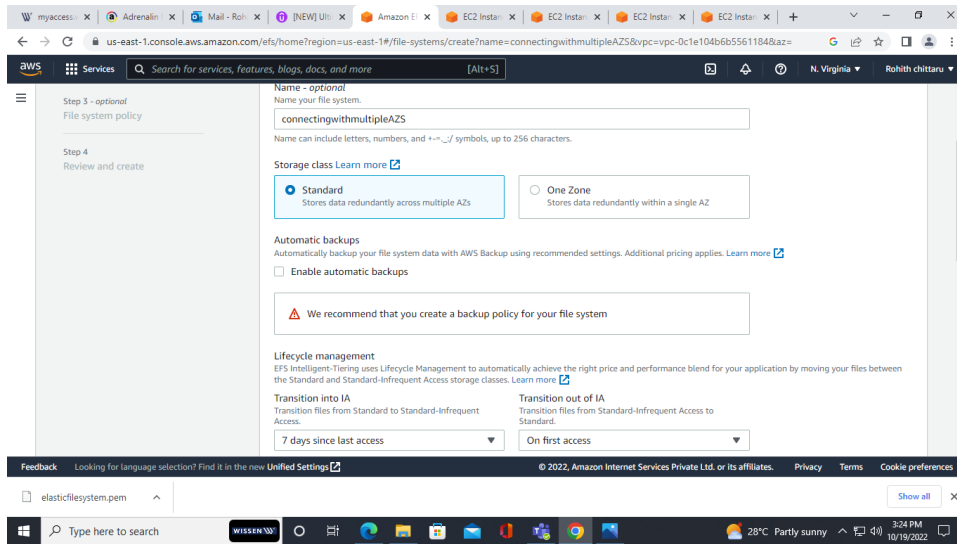
☐ One Zone  
Stores data redundantly within a single AZ

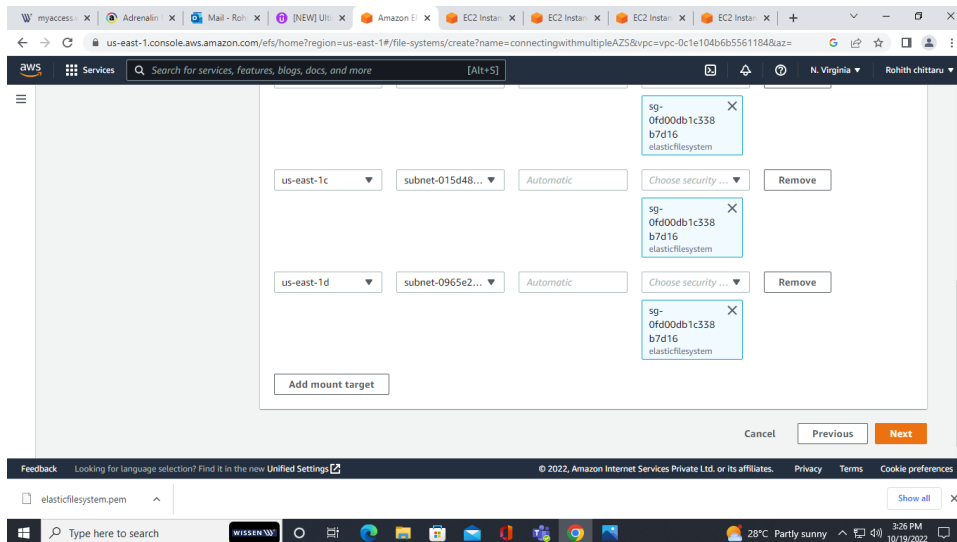
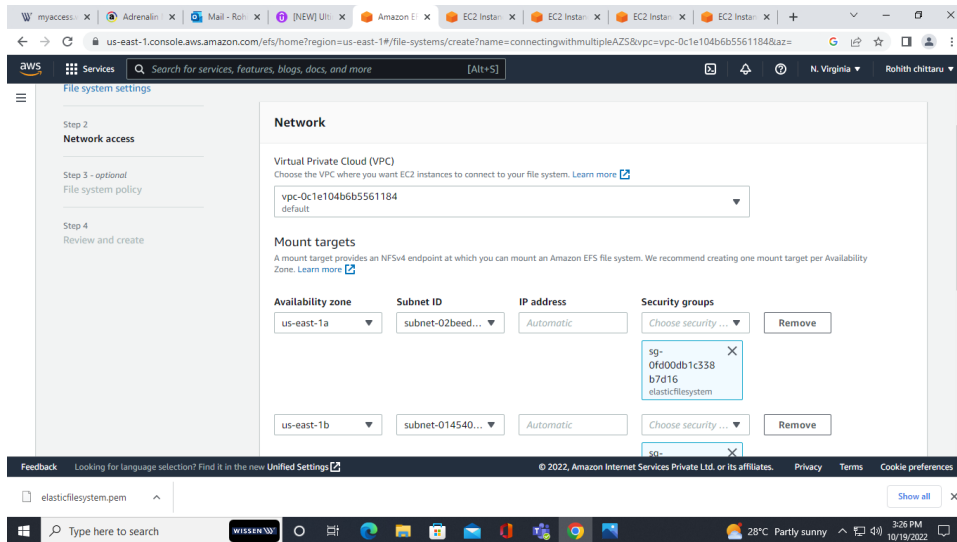
Cancel Customize Create

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us-east-1.console.aws.amazon.com/efs/home?region=us-east-1#/file-systems/create?name=connectingwithmultipleAZS&vpc=vpc-0c1e104b6b5561184&az=

Step 1: File system settings

File system

Field	Value	Is editable?
Name	connectingwithmultipleAZS	Yes
Performance mode	General Purpose	No
Throughput mode	Bursting	Yes
Encrypted	No	No
KMS Key ID	-	No
Lifecycle management	Transition into IA: 7 days since last access Transition out of IA: On first access	Yes
Automatic backups	No	Yes
VPC ID	vpc-0c1e104b6b5561184 (default)	Yes
Availability Zone	Standard	No

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3:30 PM 10/19/2022

us-east-1.console.aws.amazon.com/efs/home?region=us-east-1#/file-systems/create?name=connectingwithmultipleAZS&vpc=vpc-0c1e104b6b5561184&az=

Tag key Tag value

Name	efs
------	-----

Step 2: Network access

Mount targets

Availability zone	Subnet	IP address	Security groups
us-east-1a	subnet-02beed5469fb6b160	-	sg-0fd00db1c338b7d16
us-east-1b	subnet-0145404a8063da4fe	-	sg-0fd00db1c338b7d16
us-east-1c	subnet-015d48486cc6cb7aa	-	sg-0fd00db1c338b7d16
us-east-1d	subnet-0965e2a16b4d4cef0	-	sg-0fd00db1c338b7d16

Step 3: File system policy

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myaccess: x Adrenalin: x Mail - Rol: x [NEW] UI: x Amazon E: x EC2 Instan: x EC2 Instan: x EC2 Instan: x EC2 Instan: x +

us-east-1.console.aws.amazon.com/efs/home?region=us-east-1#/file-systems

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AWS Transfer

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Keep an up-to-date copy of your file system in a region or availability zone of your choice.

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File systems (1)

Filter by property values

	Name	File system ID	Encrypte d	Total size	Size in Standard / One Zone	Size in Standard-IA / One Zone-IA	Provisioned Throughput (MiB/s)
	connecting withmultipl eAZS	fs-0fedf6e631618f4ed	Unencrypted	6.00 KiB	6.00 KiB	0 Bytes	-

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myaccess: x Adrenalin: x Mail - Rol: x [NEW] UI: x Amazon E: x EC2 Instan: x EC2 Instan: x EC2 Instan: x EC2 Instan: x +

us-east-1.console.aws.amazon.com/efs/home?region=us-east-1#/file-systems

Services Search for services, features, blogs, docs, and more [Alt+S]

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What's new | Documentation | AWS Storage Blog

File systems (1)

Filter by property values

	Total size	Size in Standard / One Zone	Size in Standard-IA / One Zone-IA	Provisioned Throughput (MiB/s)	File system state	Creation time	Availabili ty Zone
rypted	6.00 KiB	6.00 KiB	0 Bytes	-	Available	Wed, 19 Oct 2022 10:01:18 GMT	Standard

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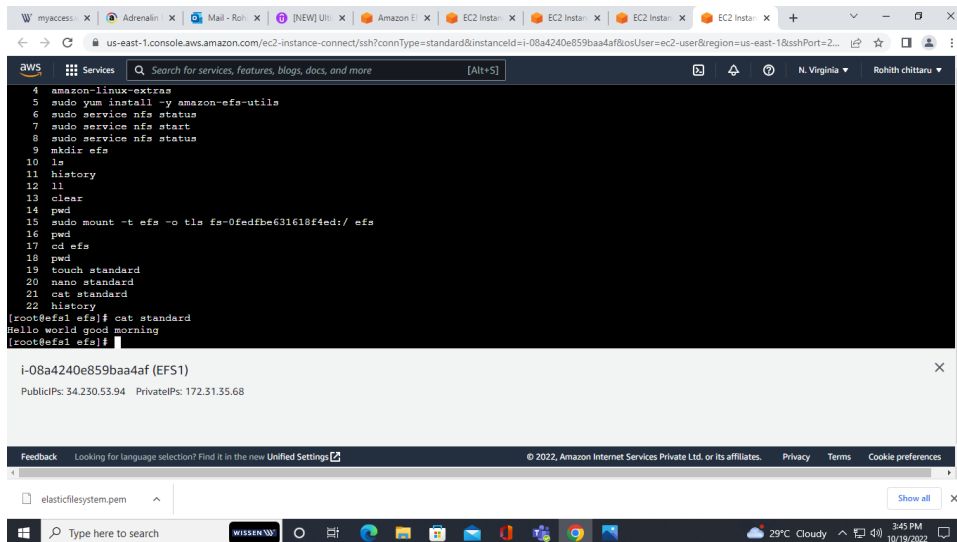
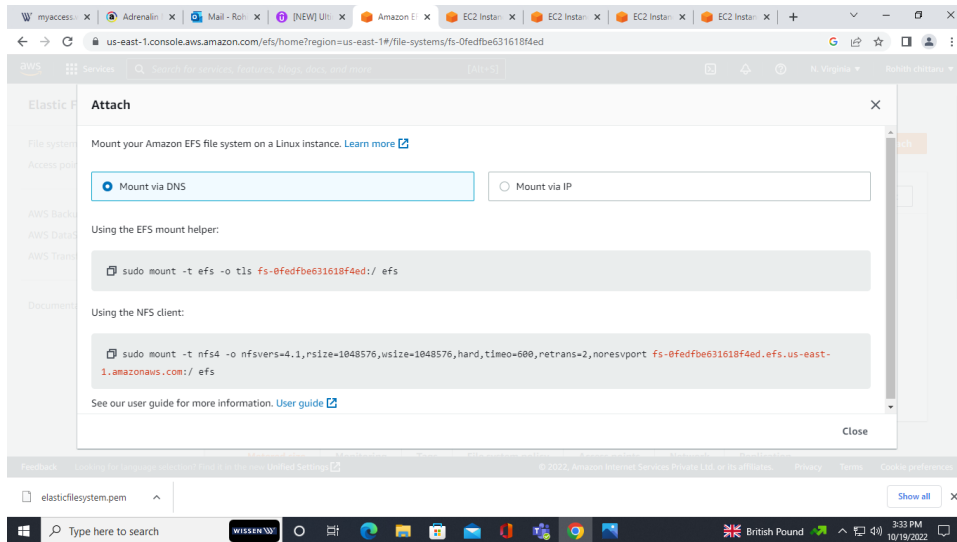
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Show all

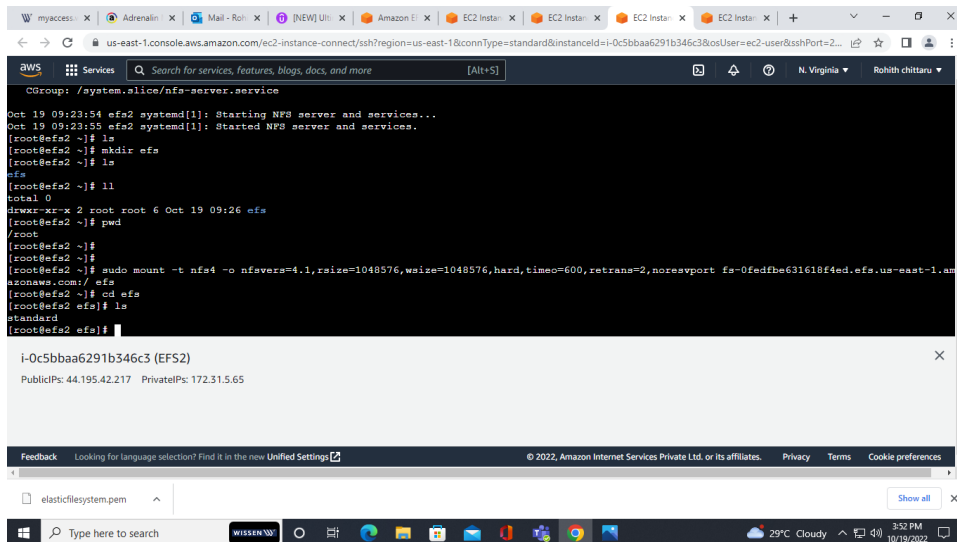
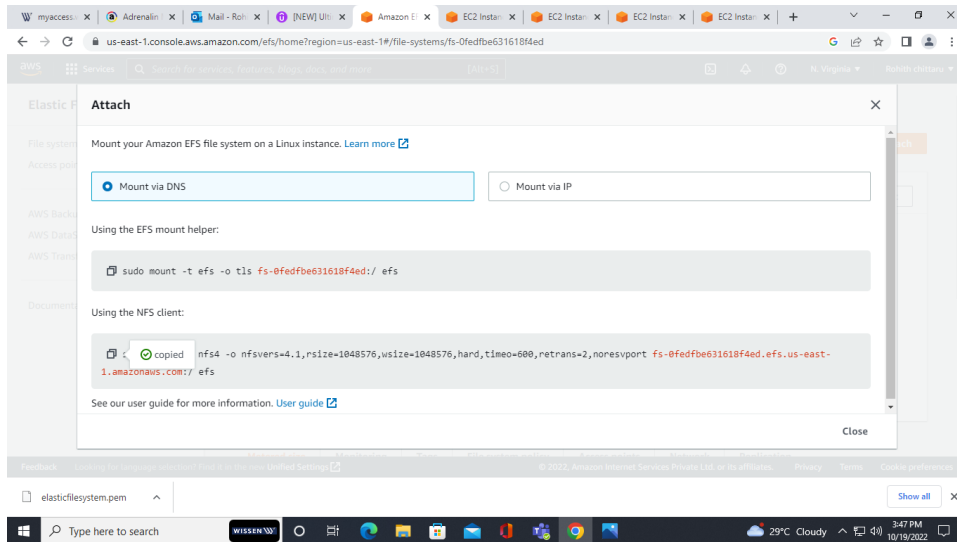
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us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-0c5bbaa6291b346c3&osUser=ec2-user&sshPort=2...

```
Oct 19 09:23:55 efs2 systemd[1]: Started NFS server and services.
[root@efs2 ~]# ls
[root@efs2 ~]# mkdir efs
[root@efs2 ~]# ls
efs
[root@efs2 ~]# ll
total 0
drwxr-xr-x 2 root root 6 Oct 19 09:26 efs
[root@efs2 ~]# pwd
/root
[root@efs2 ~]#
[root@efs2 ~]#
[root@efs2 ~]# sudo mount -t nfs4 -o nfsvers=4.1,rsize=1048576,write=1048576,hard,timeo=600,retrana=2,noresvport fs-0fedf6e631618f4ed.efs.us-east-1.amazonaws.com:/ efs
[root@efs2 ~]# cd efs
[root@efs2 efs]# ls
standard
[root@efs2 efs]# touch efs2
[root@efs2 efs]# nano efs2
[root@efs2 efs]# ls
efs2 standard
[root@efs2 efs]#
```

i-0c5bbaa6291b346c3 (EFS2)

PublicIPs: 44.195.42.217 PrivateIPs: 172.31.5.65

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us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-0c5bbaa6291b346c3&osUser=ec2-user&sshPort=2...

```
GNU nano 2.9.8 standard Modified
Hello world good morning
i am going to connect with efs3
```

i-0c5bbaa6291b346c3 (EFS2)

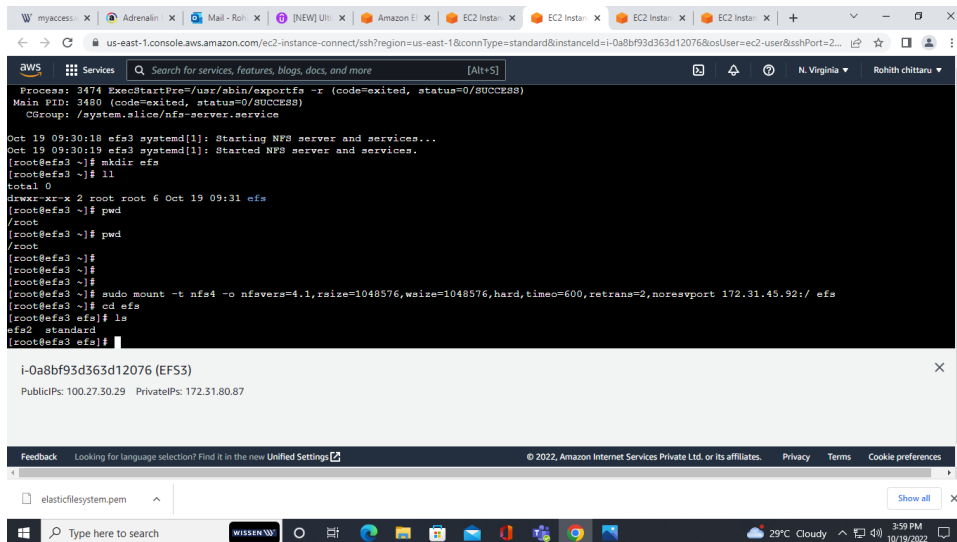
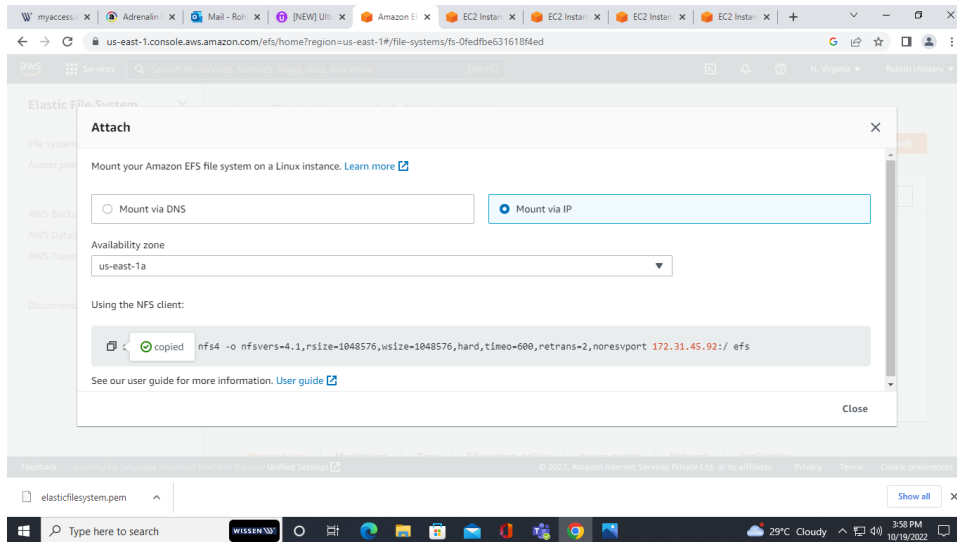
PublicIPs: 44.195.42.217 PrivateIPs: 172.31.5.65

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us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-0a8bf93d363d12076&osUser=ec2-user&sshPort=22

GNU nano 2.9.8 standard Modified

```
Hello world good morning
i am going to connect with efa3
hello efa3 i am going to connect with efa3
```

i-0a8bf93d363d12076 (EF53)  
PublicIPs: 100.27.30.29 PrivateIPs: 172.31.80.87

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us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-0a8bf93d363d12076&osUser=ec2-user&sshPort=22

```
[root@efa3 ~]# mkdir efa
[root@efa3 ~]# ll
total 0
drwxr-xr-x 2 root root 6 Oct 19 09:31 efa
[root@efa3 ~]# pwd
/root
[root@efa3 ~]# pwd
/root
[root@efa3 ~]#
[root@efa3 ~]#
[root@efa3 ~]#
[root@efa3 ~]# sudo mount -t nfs4 -o nfsvers=4.1,rsize=1048576,wsize=1048576,hard,timeo=600,retrana=2,noresvport 172.31.45.92:/ efa
[root@efa3 ~]# cd efa
[root@efa3 efa]# ls
efa2 standard
[root@efa3 efa]# ls
efa2 standard
[root@efa3 efa]# touch efa3
[root@efa3 efa]# nano standard
[root@efa3 efa]# ls
efa2 efa3 standard
[root@efa3 efa]#
```

i-0a8bf93d363d12076 (EF53)  
PublicIPs: 100.27.30.29 PrivateIPs: 172.31.80.87

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us-east-1.console.aws.amazon.com/efs/home?region=us-east-1#/file-systems/fs-0fedf6e631618f4ed

### Attach

Mount your Amazon EFS file system on a Linux instance. [Learn more](#)

☒ Mount via DNS ☐ Mount via IP

Using the EFS mount helper:

```
efs -o tls fs-0fedf6e631618f4ed:/ efs
```

Using the NFS client:

```
sudo mount -t nfs4 -o nfsvers=4.1,rsize=1048576,wsize=1048576,hard,timeo=600,retrans=2,noresvport fs-0fedf6e631618f4ed.efs.us-east-1.amazonaws.com:/ efs
```

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

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us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-036a26729e570eb96&osUser=ec2-user&sshPort=22...

```
[root@efa4 ~]# sudo su -
Last login: Wed Oct 19 09:33:01 UTC 2022 on pts/0
[root@efa4 ~]# pwd
/root
[root@efa4 ~]#
[root@efa4 ~]#
[root@efa4 ~]#
[root@efa4 ~]# sudo mount -t efs -o tls fs-0fedf6e631618f4ed:/ efs
[root@efa4 ~]# cd efs
[root@efa4 efs]# ls
efs2 efs3 standard
[root@efa4 efs]# touch efs4
[root@efa4 efs]# ls
efs2 efs3 efs4 standard
[root@efa4 efs]#
```

i-036a26729e570eb96 (EF54)

PublicIPs: 34.224.91.111 PrivateIPs: 172.31.26.69

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myaccess: x Adrenalin: x Mail - Rol: x [NEW] UI: x Amazon El: x EC2 Instan: x EC2 Instan: x EC2 Instan: x EC2 Instan: x + -

us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-036a26729e570eb96&osUser=ec2-user&sshPort=2...

GNU nano 2.9.8 standard Modified

```
Hello world good morning
i am going to connect with efs3
hello efs3 i am going to connect with efs4
hello good evening efs4
```

Get Help Write Out Where Is Cut Text Justify Cur Pos N-U Mark Text To Bracket Exit Read File Replace Uncut Text No Spell Go To Line M-U Undo Copy Text Where's Next

i-036a26729e570eb96 (EFS4)

PublicIPs: 34.224.91.111 PrivateIPs: 172.31.26.69

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myaccess: x Adrenalin: x Mail - Rol: x [NEW] UI: x Amazon El: x EC2 Instan: x EC2 Instan: x EC2 Instan: x EC2 Instan: x + -

us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-036a26729e570eb96&osUser=ec2-user&sshPort=2...

```
[root@efs4 ~]# sudo su -
Last login: Wed Oct 19 09:33:01 UTC 2022 on pts/0
[root@efs4 ~]# pwd
/root
[root@efs4 ~]#
[root@efs4 ~]#
[root@efs4 ~]#
[root@efs4 ~]# sudo mount -t efs -o tls fs-0fedf8e631618f4ed:/ efs
[root@efs4 ~]# cd efs
[root@efs4 efs]# ls
efs2 efs3 efs4 standard
[root@efs4 efs]# touch efs4
[root@efs4 efs]# ls
efs2 efs3 efs4 standard
[root@efs4 efs]# nano standard
[root@efs4 efs]# ls
efs2 efs3 efs4 standard
[root@efs4 efs]#
```

i-036a26729e570eb96 (EFS4)

PublicIPs: 34.224.91.111 PrivateIPs: 172.31.26.69

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