

EFS created

Success!
Submitted all mount target changes successfully for file system (fs-0c4767664e2877b44)

Amazon EFS > File systems > fs-0c4767664e2877b44

EFS EC2 demo (fs-0c4767664e2877b44)

Delete Attach

General Edit

Amazon resource name (ARN)
arn:aws:elasticfilesystem:eu-north-1:307946675106:file-system/fs-0c4767664e2877b44

Performance mode
General Purpose

Throughput mode
Elastic

Automatic backups
Enabled

Encrypted
ac2ff772-9f8f-4321-8e0a-f78336aec212 (aws/elasticfilesystem)

File system state
Available

EC2 instances are created

Instance 1

Success
Successfully initiated launch of instance (i-00027fe74b2f052a8)

► Launch log

Next Steps

What would you like to do next with this instance, for example "create alarm" or "create backup"

1 2 3 4 5 6 >

Create billing and free tier usage alerts
To manage costs and avoid surprise bills, set up email notifications for billing and free tier usage thresholds.

Connect to your instance
Once your instance is running, log into it from your local computer.
Connect to instance

Connect an RDS database
Configure the connection between an EC2 instance and a database to allow traffic flow between them.
Connect RDS database

Create EBS snapshot policy
Create a policy that automates the creation, retention, and deletion of EBS snapshots.
Create EBS snapshot policy

Instance 2

Success
Successfully initiated launch of instance (i-0adb38f61bfeb1a88)

► Launch log

Next Steps

What would you like to do next with this instance, for example "create alarm" or "create backup"

Create billing and free tier usage alerts
To manage costs and avoid surprise bills, set up email notifications for billing and free tier usage thresholds.

Connect to your instance
Once your instance is running, log into it from your local computer.
[Connect to instance](#)

Connect an RDS database
Configure the connection between an EC2 instance and a database to allow traffic flow between them.
[Create RDS database](#)

Create EBS snapshot policy
Create a policy that automates the creation, retention, and deletion of EBS snapshots
[Create EBS snapshot policy](#)

EFS mount to EC2 instances using amazon linux

```
[root@ip-172-31-20-35 ec2-user]# sudo mount -t nfs4 -o nfsvers=4.1,rsize=1048576,wsiz=1048576,hard,timeo=600,retrans=2,noresvport 172.31.28.36:/efs
^C
[root@ip-172-31-20-35 ec2-user]# sudo mount -t nfs4 -o nfsvers=4.1,rsize=1048576,wsiz=1048576,hard,timeo=600,retrans=2,noresvport 172.31.28.36:/efs
[root@ip-172-31-20-35 ec2-user]# df -h
Filesystem      Size  Used Avail Use% Mounted on
devtmpfs        4.0M   0  4.0M   0% /dev
tmpfs           453M   0  453M   0% /dev/shm
tmpfs           181M  440K  181M   1% /run
/dev/nvme0n1p1   8.0G  1.6G   6.4G  20% /
tmpfs           453M   0  453M   0% /tmp
/dev/nvme0n1p128 10M   1.3M   8.7M  13% /boot/efi
tmpfs           91M    0   91M   0% /run/user/1000
172.31.28.36:/   8.0E   0   8.0E   0% /home/ec2-user/efs
[root@ip-172-31-20-35 ec2-user]# cd efs
[root@ip-172-31-20-35 efs]# ls
hello.txt
[root@ip-172-31-20-35 efs]#
```

i-00027fe74b2f052a8 (instance 1)

PublicIPs: 51.20.126.102 PrivateIPs: 172.31.20.35

```
aws
[Alt+S]
Europe (Stockholm)
Tejashwini.intellipaat
root@ip-172-31-35-109:/efs# df -h
Filesystem      Size  Used Avail Use% Mounted on
devtmpfs        4.0M  0   4.0M   0% /dev
tmpfs           453M  0   453M   0% /dev/shm
tmpfs           181M  440K  181M   1% /run
/dev/nvme0n1p1  8.0G  1.6G  6.4G  20% /
tmpfs           453M  0   453M   0% /tmp
/dev/nvme0n1p128 10M  1.3M  8.7M  13% /boot/efi
tmpfs           91M  0   91M   0% /run/user/1000
172.31.28.36:/  8.0E  0   8.0E   0% /home/ec2-user/efs2
root@ip-172-31-35-109:/efs2# touch hello.txt
root@ip-172-31-35-109:/efs2# ls
hello.txt
root@ip-172-31-35-109:/efs2#
```

Instances (2) [Info](#)

Last updated less than a minute ago

Connect

Instance state ▾

Actions ▾

Launch instances

All states ▾

< 1 >

<input type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status
<input type="checkbox"/>	Teju_instance	i-0bf3a3fcd7fc47790	Running	t3.micro	Initializing	View alarms +
<input type="checkbox"/>	Teju_instance	i-0ac661ac7ef41e1ee	Running	t3.micro	Initializing	View alarms +

Instance 1:

```
aws [Search] [Alt+S] Europe (Stockholm) Tejashwini.Intellipaat
```

```
Building dependency tree... Done
Reading state information... Done
nfs-common is already the newest version (1:2.6.4-3ubuntu5.1).
0 upgraded, 0 newly installed, 0 to remove and 59 not upgraded.
root@ip-172-31-44-18:/home/ubuntu# mkdir efs
mkdir: cannot create directory 'efs': File exists
root@ip-172-31-44-18:/home/ubuntu# ls
efs
root@ip-172-31-44-18:/home/ubuntu# sudo mount -t nfs4 -o nfsvers=4.1,rsize=1048576,wsz=1048576,hard,timeo=600,retrans=2,noresvport 172.31.28.36:/ efs
root@ip-172-31-44-18:/home/ubuntu# cd efs
root@ip-172-31-44-18:/home/ubuntu/efs# nano intellipaat.txt
root@ip-172-31-44-18:/home/ubuntu/efs# ls
hello.txt  intellipaat.txt
root@ip-172-31-44-18:/home/ubuntu/efs# cat intellipaat.txt
cat.intellipaat.txt: command not found
root@ip-172-31-44-18:/home/ubuntu/efs# cat intellipaat.txt
Hello world this is Teju
root@ip-172-31-44-18:/home/ubuntu/efs#
```

i-0bf3a3fcd7fc47790 (Teju_instance)

PublicIPs: 16.171.24.144 PrivateIPs: 172.31.44.18

Instance 2:

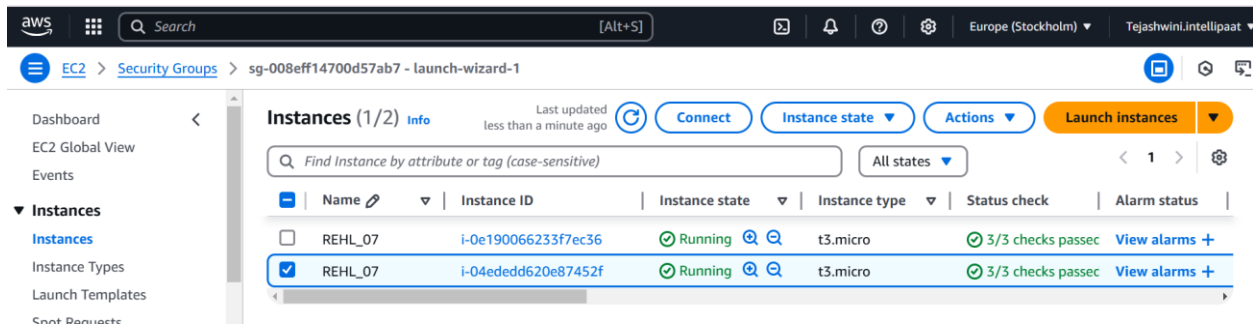
```
aws [Search] [Alt+S] Europe (Stockholm) Tejashwini.Intellipaat
```

```
root@ip-172-31-39-135:/home/ubuntu# apt-get install nfs-common -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
nfs-common is already the newest version (1:2.6.4-3ubuntu5.1).
0 upgraded, 0 newly installed, 0 to remove and 59 not upgraded.
root@ip-172-31-39-135:/home/ubuntu# ls
efs2  world.txt
root@ip-172-31-39-135:/home/ubuntu# rm world.txt
root@ip-172-31-39-135:/home/ubuntu# ls
efs2
root@ip-172-31-39-135:/home/ubuntu# sudo mount -t nfs4 -o nfsvers=4.1,rsize=1048576,wsz=1048576,hard,timeo=600,retrans=2,noresvport 172.31.28.36:/ efs2
root@ip-172-31-39-135:/home/ubuntu# cd efs2
root@ip-172-31-39-135:/home/ubuntu/efs2# ls
hello.txt  intellipaat.txt
root@ip-172-31-39-135:/home/ubuntu/efs2# cat intellipaat.txt
Hello world this is Teju
root@ip-172-31-39-135:/home/ubuntu/efs2#
```

i-0ac661ac7ef41e1ee (Teju_instance)

PublicIPs: 16.170.254.71 PrivateIPs: 172.31.39.135

Created 2 instances using RedHat



The screenshot shows the AWS Management Console interface. The top navigation bar includes the AWS logo, a search bar, and the user's name 'Tejashwini.Intellipaat'. The left sidebar shows the 'EC2' console with a sub-menu for 'Security Groups'. The main content area displays the 'Instances (1/2)' page. It features a search bar, a filter for 'All states', and a table of instances. Two instances are listed, both in the 'Running' state. The first instance has ID 'i-0e190066233f7ec36' and the second has ID 'i-04ededd620e87452f'. Both are 't3.micro' instances. The table columns are: Name, Instance ID, Instance state, Instance type, Status check, and Alarm status. The status check for both instances shows '3/3 checks passed'.

Name	Instance ID	Instance state	Instance type	Status check	Alarm status
REHL_07	i-0e190066233f7ec36	Running	t3.micro	3/3 checks passed	View alarms +
REHL_07	i-04ededd620e87452f	Running	t3.micro	3/3 checks passed	View alarms +

EFS mounted to EC2 using Redhat linux

Instance 1:

```
root@ip-172-31-37-175:/home/ec2-user/efs
Verifying      : quota-1:4.09-2.el9.x86_64      8/10
Verifying      : quota-nls-1:4.09-2.el9.noarch   9/10
Verifying      : sssd-nfs-idmap-2.9.5-4.el9_5.4.x86_64 10/10
Installed products updated.

Installed:
gssproxy-0.8.4-7.el9.x86_64      libev-4.33-5.el9.x86_64      libnfsidmap-1:2.5.4-27.el9.x86_64
libtirpc-1.3.3-9.el9.x86_64      libverto-libev-0.3.2-3.el9.x86_64  nfs-utils-1:2.5.4-27.el9.x86_64
quota-1:4.09-2.el9.x86_64      quota-nls-1:4.09-2.el9.noarch  rpcbind-1.2.6-7.el9.x86_64
sssd-nfs-idmap-2.9.5-4.el9_5.4.x86_64

Complete!
[root@ip-172-31-37-175 ec2-user]# mkdir efs
[root@ip-172-31-37-175 ec2-user]# sudo mount -t nfs4 -o nfsvers=4.1,rsize=1048576,wsiz=1048576,hard,timeo=600,retrans=2 ,nresvport 172.31.28.36:/ efs
[root@ip-172-31-37-175 ec2-user]# df -h
Filesystem      Size  Used Avail Use% Mounted on
devtmpfs        4.0M   0  4.0M   0% /dev
tmpfs           361M   0  361M   0% /dev/shm
tmpfs           145M  2.9M  142M   2% /run
efivarfs        128K   3.6K  120K   3% /sys/firmware/efi/efivars
/dev/nvme0n1p4   8.8G  1.6G   7.2G  18% /
/dev/nvme0n1p3  960M  171M  790M  18% /boot
/dev/nvme0n1p2  200M   7.1M  193M   4% /boot/efi
tmpfs           73M   0   73M   0% /run/user/1000
172.31.28.36:/  8.0E   0  8.0E   0% /home/ec2-user/efs
[root@ip-172-31-37-175 ec2-user]# cd efs
[root@ip-172-31-37-175 efs]# ls
Teju.txt
[root@ip-172-31-37-175 efs]#
```

Instance 2:

```
root@ip-172-31-45-183:/home/ec2-user/efs2
Verifying      : nfs-utils-1:2.5.4-27.el9.x86_64      7/10
Verifying      : quota-1:4.09-2.el9.x86_64           8/10
Verifying      : quota-nls-1:4.09-2.el9.noarch        9/10
Verifying      : sssd-nfs-idmap-2.9.5-4.el9_5.4.x86_64 10/10
Installed products updated.

Installed:
gssproxy-0.8.4-7.el9.x86_64      libev-4.33-5.el9.x86_64      libnfsidmap-1:2.5.4-27.el9.x86_64
libtirpc-1.3.3-9.el9.x86_64     libverto-libev-0.3.2-3.el9.x86_64  nfs-utils-1:2.5.4-27.el9.x86_64
quota-1:4.09-2.el9.x86_64       quota-nls-1:4.09-2.el9.noarch  rpcbind-1.2.6-7.el9.x86_64
sssd-nfs-idmap-2.9.5-4.el9_5.4.x86_64

Complete!
[root@ip-172-31-45-183 ec2-user]# mkdir efs2
[root@ip-172-31-45-183 ec2-user]# sudo mount -t nfs4 -o nfsvers=4.1,rsz=1048576,wsz=1048576,hard,timeo=600,retrans=2,nresvport 172.31.28.36:/ efs2
[root@ip-172-31-45-183 ec2-user]# df -h
Filesystem      Size  Used Avail Use% Mounted on
devtmpfs        4.0M   0  4.0M   0% /dev
tmpfs           361M   0  361M   0% /dev/shm
tmpfs           145M  2.9M  142M   3% /run
efivarfs        128K   3.6K  120K   3% /sys/firmware/efi/efivars
/dev/nvme0n1p4   8.8G   1.6G   7.2G  18% /
/dev/nvme0n1p3  960M  171M  790M  18% /boot
/dev/nvme0n1p2  200M   7.1M  193M   4% /boot/efi
tmpfs            73M   0    73M   0% /run/user/1000
172.31.28.36:/  8.0E   0  8.0E   0% /home/ec2-user/efs2
[root@ip-172-31-45-183 ec2-user]# cd efs2
[root@ip-172-31-45-183 efs2]# touch Teju.txt
[root@ip-172-31-45-183 efs2]#
```