

aws

Services

Search for services, features, blogs, docs, and more

[Alt+S]

N. Virginia

Poluru Anitha

New EC2 Experience

Tell us what you think

EC2 Dashboard

EC2 Global View

Events

Tags

Limits

Instances

Instances

New

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

New

Dedicated Hosts

Scheduled Instances

Capacity Reservations

Images

AMIs

New

AMI Catalog

Elastic Block Store

Instances (3)

Info

Connect

Instance state

Actions

Launch instances

Search

< 1 >

<input type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS
<input type="checkbox"/>	ubuntu	i-0b2c59834eeaf56d2	<div><div></div>Running</div>	t2.micro	<div><div></div>2/2 checks passed</div>	No alarms +	us-east-1a	ec2-3-95-197-15
<input type="checkbox"/>	ec2	i-01ea60f23cee3cf81	<div><div></div>Running</div>	t2.micro	<div><div></div>2/2 checks passed</div>	No alarms +	us-east-1a	ec2-54-144-237-
<input type="checkbox"/>	Redhat	i-03d3bf762a37877ca	<div><div></div>Running</div>	t2.micro	<div><div></div>2/2 checks passed</div>	No alarms +	us-east-1a	ec2-54-161-139-

Select an instance

=



Services

Search for services, features, blogs, docs, and more

[Alt+S]



N. Virginia

Poluru Anitha

Elastic File System



File systems

Access points

AWS Backup



AWS DataSync



AWS Transfer



Documentation



Amazon EFS > File systems > fs-0fec244575ac494f8

EFSdemo (fs-0fec244575ac494f8)

Delete

Attach

General

Edit

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

Regional

Automatic backups

✓ Enabled

Encrypted

39a962b0-6e51-4e86-8948-e1be947765fa (aws/elasticfilesystem)

File system state

✓ Available

Metered size

Monitoring

Tags

File system policy

Access points

Network

Replication

Metered size

Total size

aws

Services

Search for services, features, blogs, docs, and more

[Alt+S]

N. Virginia

Poluru Anitha

Elastic File System

Amazon EFS > File systems > fs-0fec244575ac494f8

File system

Access point

AWS Backu

AWS DataS

AWS Trans

Documenta

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-0fec244575ac494f8:/ efs

Using the NFS client:

📄

✓ copied

nfs4 -o nfsvers=4.1,rsiz=1048576,wsiz=1048576,hard,timeo=600,retrans=2,noresvport fs-0fec244575ac494f8.efs.us-east-1.amazonaws.com:/ efs

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

Close

Metered size

Total size

root@ip-172-31-93-197: /home/ubuntu

login as: ubuntu

Authenticating with public key "imported-openssh-key"

Welcome to Ubuntu 20.04.3 LTS (GNU/Linux 5.11.0-1022-aws x86_64)

* Documentation: <https://help.ubuntu.com>
* Management: <https://landscape.canonical.com>
* Support: <https://ubuntu.com/advantage>

System information as of Thu Feb 10 07:06:06 UTC 2022

System load:	0.0	Processes:	109
Usage of /:	20.6% of 7.69GB	Users logged in:	1
Memory usage:	23%	IPv4 address for eth0:	172.31.93.197
Swap usage:	0%		

57 updates can be applied immediately.

42 of these updates are standard security updates.

To see these additional updates run: apt list --upgradable

Last login: Thu Feb 10 06:32:45 2022 from 219.91.254.34

ubuntu@ip-172-31-93-197:~\$ ls

ubuntu@ip-172-31-93-197:~\$ sudo su

root@ip-172-31-93-197:/home/ubuntu# ls

root@ip-172-31-93-197:/home/ubuntu# apt-get update

Hit:1 <http://us-east-1.ec2.archive.ubuntu.com/ubuntu> focal InRelease

Get:2 <http://us-east-1.ec2.archive.ubuntu.com/ubuntu> focal-updates InRelease [114 kB]

Get:3 <http://us-east-1.ec2.archive.ubuntu.com/ubuntu> focal-backports InRelease [108 kB]

Hit:4 <http://security.ubuntu.com/ubuntu> focal-security InRelease

Fetch: 222 kB in 0s (606 kB/s)

Reading package lists... Done

root@ip-172-31-93-197:/home/ubuntu# apt-get install apache2

Reading package lists... Done

Building dependency tree

Reading state information... Done

apache2 is already the newest version (2.4.41-4ubuntu3.9).

0 upgraded, 0 newly installed, 0 to remove and 57 not upgraded.

root@ip-172-31-93-197:/home/ubuntu# apt-get install nfs-common

```
root@ip-172-31-84-125: /home/ubuntu
root@ip-172-31-84-125:/home/ubuntu# ls
efs
root@ip-172-31-84-125:/home/ubuntu# sudo mount -t nfs4 -o nfsvers=4.1,rsize=1048576,wsiz=1048576,hard,timeo=600,retrans=2,noresvport fs-0d4f4e3d615da6058.efs.us-east-1.amazonaws.com:/ efs
root@ip-172-31-84-125:/home/ubuntu# df -h

```

Filesystem	Size	Used	Avail	Use%	Mounted on
/dev/root	7.7G	1.6G	6.1G	21%	/
devtmpfs	479M	0	479M	0%	/dev
tmpfs	485M	0	485M	0%	/dev/shm
tmpfs	97M	820K	97M	1%	/run
tmpfs	5.0M	0	5.0M	0%	/run/lock
tmpfs	485M	0	485M	0%	/sys/fs/cgroup
/dev/loop3	68M	68M	0	100%	/snap/lxd/21835
/dev/loop0	25M	25M	0	100%	/snap/amazon-ssm-agent/4046
/dev/loop4	43M	43M	0	100%	/snap/snapd/14066
/dev/loop1	56M	56M	0	100%	/snap/core18/2253
/dev/loop2	62M	62M	0	100%	/snap/core20/1242
tmpfs	97M	0	97M	0%	/run/user/1000
fs-0d4f4e3d615da6058.efs.us-east-1.amazonaws.com:/	8.0E	0	8.0E	0%	/home/ubuntu/efs

```
root@ip-172-31-84-125:/home/ubuntu#
```



```
sudo yum -y install git
```

```
sudo yum -y install rpm-build
```

```
git clone https://github.com/aws/efs-utils
```

```
cd efs-utils
```

```
yum -y install make
```

```
yum -y install rpm-build
```

```
sudo make rpm
```

```
yum -y install ./build/amazon-efs-utils*.rpm
```

we run this commands on Redhat & amazon linux

root@ip-172-31-89-233:/home/ec2-user/efs-utils

stunnel x86_64 4.56-6.amzn2.0.3 amzn2-core 149 k

Transaction Summary

Install 1 Package (+1 Dependent package)

Total size: 332 k

Total download size: 149 k

Installed size: 491 k

Downloading packages:

stunnel-4.56-6.amzn2.0.3.x86_64.rpm | 149 kB 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!

```
[root@ip-172-31-89-233 efs-utils]# ls
amazon-efs-utils  build-deb.sh  LICENSE  README.md  test
amazon-efs-utils.spec  config.ini  Makefile  requirements.txt
amazon-efs-utils.tar.gz  CONTRIBUTING.md  man  setup.cfg
build  dist  NOTICE  src
```

[root@ip-172-31-89-233 efs-utils]# mkdir efs

```
[root@ip-172-31-89-233 efs-utils]# ls
amazon-efs-utils  build-deb.sh  efs  NOTICE  src
amazon-efs-utils.spec  config.ini  LICENSE  README.md  test
amazon-efs-utils.tar.gz  CONTRIBUTING.md  Makefile  requirements.txt
build  dist  man  setup.cfg
```

[root@ip-172-31-89-233 efs-utils]# sudo mount -t nfs4 -o nfsvers=4.1,rsize=1048576,wsiz=1048576,hard,timeo=600,retrans=2,noresvport fs-0d4f4e3d615da6058.efs.us-east-1.amazonaws.com:/ efs

[root@ip-172-31-89-233 efs-utils]# df -h

Filesystem	Size	Used	Avail	Use%	Mounted on
devtmpfs	475M	0	475M	0%	/dev
tmpfs	483M	0	483M	0%	/dev/shm
tmpfs	483M	404K	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
fs-0d4f4e3d615da6058.efs.us-east-1.amazonaws.com:/	8.0E	0	8.0E	0%	/home/ec2-user/efs-utils/efs

[root@ip-172-31-89-233 efs-utils]#

root@ip-172-31-94-239:/home/ec2-user/efs-utils

Installed:

```
amazon-efs-utils-1.31.3-1.el8.noarch
gssproxy-0.8.0-19.el8.x86_64
keyutils-1.5.10-9.el8.x86_64
libverto-libevent-0.3.0-5.el8.x86_64
nfs-utils-1:2.3.3-46.el8.x86_64
python3-pip-9.0.3-20.el8.noarch
python3-setuptools-39.2.0-6.el8.noarch
python36-3.6.8-38.module+el8.5.0+12207+5c5719bc.x86_64
quota-1:4.04-14.el8.x86_64
quota-nls-1:4.04-14.el8.noarch
rpcbind-1.2.5-8.el8.x86_64
stunnel-5.56-5.el8_3.x86_64
```

Complete!

```
[root@ip-172-31-94-239 efs-utils]# sudo mount -t nfs4 -o nfsvers=4.1,rsize=10485
76,wsize=1048576,hard,timeo=600,retrans=2,noresvport fs-0d4f4e3d615da6058.efs.us
-east-1.amazonaws.com:/ efs
```

mount.nfs4: mount point efs does not exist

```
[root@ip-172-31-94-239 efs-utils]# ls
```

```
amazon-efs-utils  build-deb.sh  LICENSE  README.md  test
amazon-efs-utils.spec  config.ini  Makefile  requirements.txt
amazon-efs-utils.tar.gz  CONTRIBUTING.md  man  setup.cfg
build  dist  NOTICE  src
```

```
[root@ip-172-31-94-239 efs-utils]# mkdir efs
```

```
[root@ip-172-31-94-239 efs-utils]# ls
```

```
amazon-efs-utils  build-deb.sh  efs  NOTICE  src
amazon-efs-utils.spec  config.ini  LICENSE  README.md  test
amazon-efs-utils.tar.gz  CONTRIBUTING.md  Makefile  requirements.txt
build  dist  man  setup.cfg
```

```
[root@ip-172-31-94-239 efs-utils]# sudo mount -t nfs4 -o nfsvers=4.1,rsize=10485
76,wsize=1048576,hard,timeo=600,retrans=2,noresvport fs-0d4f4e3d615da6058.efs.us
-east-1.amazonaws.com:/ efs
```

```
[root@ip-172-31-94-239 efs-utils]# df -h
```

Filesystem	Size	Used	Avail	Use%	Mounted on
devtmpfs	377M	0	377M	0%	/dev
tmpfs	404M	0	404M	0%	/dev/s
hm					
tmpfs	404M	21M	383M	6%	/run
tmpfs	404M	0	404M	0%	/sys/f
s/cgroup					
/dev/xvda2	10G	2.3G	7.7G	23%	/
tmpfs	81M	0	81M	0%	/run/u
ser/1000					
fs-0d4f4e3d615da6058.efs.us-east-1.amazonaws.com:/	8.0E	0	8.0E	0%	/home/
ec2-user/efs-utils/efs					

```
[root@ip-172-31-94-239 efs-utils]#
```