

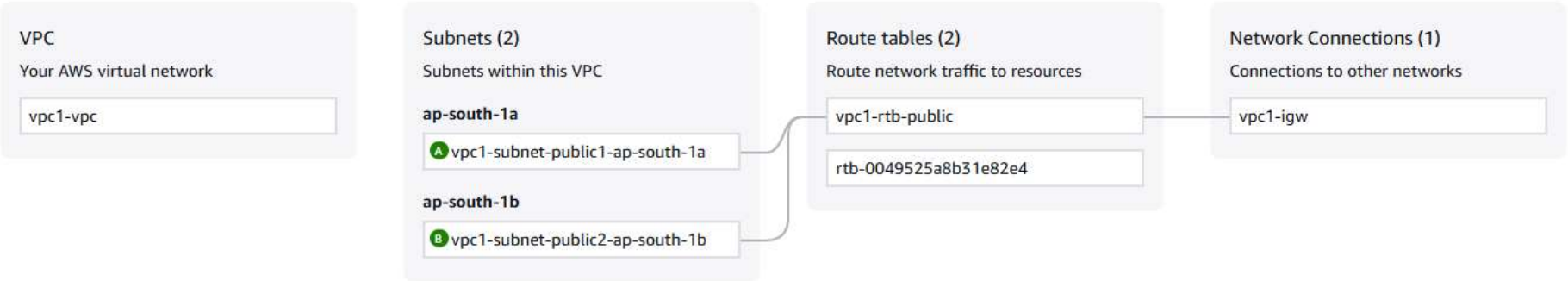
Details [Info](#)

<b>VPC ID</b> vpc-0262f221fb2309488	<b>State</b> Available	<b>Block Public Access</b> Off	<b>DNS hostnames</b> Enabled
<b>DNS resolution</b> Enabled	<b>Tenancy</b> default	<b>DHCP option set</b> dopt-0869865c037ed213b	<b>Main route table</b> rtb-0049525a8b31e82e4
<b>Main network ACL</b> acl-0b854a665d47e524f	<b>Default VPC</b> No	<b>IPv4 CIDR</b> 10.0.0.0/16	<b>IPv6 pool</b> -
<b>IPv6 CIDR (Network border group)</b> -	<b>Network Address Usage metrics</b> Disabled	<b>Route 53 Resolver DNS Firewall rule groups</b> -	<b>Owner ID</b> 321528231513

- Resource map
- CIDRs
- Flow logs
- Tags
- Integrations

Resource map [Info](#)

Show all details





Amazon EFS - Create a file system

VPC | ap-south-1

ap-south-1.console.aws.amazon.com/efs/home?region=ap-south-1#/file-systems/create?name=efs&vpc=vpc-0262f221fb2309488

aws

Search [Alt+S]

Asia Pacific (Mumbai)

Account ID: 3215-2823-1513

anuranj

Amazon EFS

File systems

Create

Step 1

**File system settings**

Step 2

Network access

Step 3 - optional

File system policy

Step 4

Review and create

## File system settings

### General

**Name - optional**  
Name your file system.

efs

Name can include letters, numbers, and +-=.\_:/ symbols, up to 256 characters.

**File system type**  
Choose to either store data across multiple Availability Zones or within a single Availability Zone. [Learn more](#)

☒ **Regional**  
Offers the highest levels of availability and durability by storing file system data across multiple Availability Zones within an AWS Region.

☐ **One Zone**  
Provides continuous availability to data within a single Availability Zone within an AWS Region.

**Automatic backups**  
Automatically backup your file system data with AWS Backup using recommended settings. Additional pricing applies. [Learn more](#)

☐ Enable automatic backups

⚠ We recommend that you create a backup policy for your file system

### Lifecycle management

Automatically save money as access patterns change by moving files into the Infrequent Access (IA) or Archive storage class. [Learn more](#)

**Transition into Infrequent Access (IA)**  
Transition files to IA based on the time since they were last accessed in Standard storage.

**Transition into Archive**  
Transition files to Archive based on the time since they were last accessed in Standard storage.

**Transition into Standard**  
Transition files back to Standard storage based on when they are first accessed in IA or Archive storage.

30 day(s) since last access

90 day(s) since last access

None

**Encryption**  
Choose to enable encryption of your file system's data at rest. Uses the AWS KMS service key (aws/elasticfilesystem) by default. [Learn more](#)

CloudShell

Feedback

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Privacy

Terms

Cookie preferences

- Step 1
- File system settings
- Step 2
- Network access
- Step 3 - optional
- File system policy
- Step 4
- Review and create

## Network access

### Network

Virtual Private Cloud (VPC) [Learn more](#)

Choose the VPC where you want EC2 instances to connect to your file system.

vpc-0262f221fb2309488  
vpc1-vpc

### Mount targets

A mount target provides an NFSv4 endpoint at which you can mount an Amazon EFS file system. We recommend creating one mount target per Availability Zone. [Learn more](#)

Availability zone	Subnet ID	IP address type	IPv4 address	IPv6 address	Security groups	
ap-south-1a	subnet-03f8...	IPv4 only	Optional	-	Choose secur...	Remove
					sg-0ad0b33a2aee1467f instance sg	
ap-south-1b	subnet-01bf...	IPv4 only	Optional	-	Choose secur...	Remove
					sg-0ad0b33a2aee1467f instance sg	

Add mount target

Cancel

Previous

Next

- Step 1  
● File system settings
- Step 2  
● Network access
- Step 3 - optional  
● **File system policy**
- Step 4  
○ Review and create

### File system policy - optional

#### Policy options

Select one or more of these common policy options, or create a custom policy using the editor. [Learn more](#)

- ☐ Prevent root access by default\*
- ☐ Enforce read-only access by default\*
- ☐ Prevent anonymous access
- ☐ Enforce in-transit encryption for all clients

\* Identity-based policies can override these default permissions.

► Grant additional permissions

#### Policy editor {JSON}

Clear

Manual changes will prevent the use of the policy options on the left until the editor is cleared.

Cancel

Previous

Next

Step 1

File system settings

Step 2

Network access

Step 3 - optional

File system policy

Step 4

Review and create

Review and create

Step 1: File system settings

Edit

File system

Field	Value	Is editable?
Name	efs	Yes
Performance mode	General Purpose	No
Throughput mode	Elastic	Yes
Encrypted	Yes	No
KMS Key ID	-	No
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	Yes
Automatic backups	No	Yes
VPC ID	vpc-0262f221fb2309488 (vpc1-vpc)	Yes
Availability Zone	Regional	No

Tags

Tag key	Tag value
No tags associated with this resource	

Manage tags



ap-south-1.console.aws.amazon.com/efs/home?region=ap-south-1#file-systems/fs-0...

Amazon EFS > File systems > fs-0027b8169e3e0f4df

### 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-0027b8169e3e0f4df:/ efs
```

copied

```
sudo mount -t nfs4 -o nfsvers=4.1,rsize=1048576,wsiz=1048576,hard,timeo=600,retr=2,noresvport fs-0027b8169e3e0f4df.efs.ap-south-1.amazonaws.com:/ efs
```

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

Close

Metered size

Total size

CloudShell Feedback

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ubuntu@ip-10-0-9-195: ~

```
info: Adding system user 'statd' (UID 112) ...
info: Adding new user 'statd' (UID 112) with group 'nogroup' ...
info: Not creating home directory '/var/lib/nfs'.
Created symlink /etc/systemd/system/multi-user.target.wants/nfs-client.target → /usr/lib/systemd/system/nfs-client.target.
Created symlink /etc/systemd/system/remote-fs.target.wants/nfs-client.target → /usr/lib/systemd/system/nfs-client.target.
auth-rpcgss-module.service is a disabled or a static unit, not starting it.
nfs-idmapd.service is a disabled or a static unit, not starting it.
nfs-utils.service is a disabled or a static unit, not starting it.
proc-fs-nfsd.mount is a disabled or a static unit, not starting it.
rpc-gssd.service is a disabled or a static unit, not starting it.
rpc-statd.service is a disabled or a static unit, not starting it.
rpc-svcgssd.service is a disabled or a static unit, not starting it.
Processing triggers for man-db (2.12.0-4build2) ...
Processing triggers for libc-bin (2.39-0ubuntu8.5) ...
Scanning processes...
Scanning linux images...

Running kernel seems to be up-to-date.

No services need to be restarted.

No containers need to be restarted.

No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.
ubuntu@ip-10-0-9-195:~$ sudo mount -t nfs4 -o nfsvers=4.1 fs-0027b8169e3e0f4df.efs.ap-south-1.amazonaws.com:/mnt/efs
mount.nfs4: mount point /mnt/efs does not exist
ubuntu@ip-10-0-9-195:~$ sudo mount -t efs -o tls fs-0027b8169e3e0f4df:/ efs
mount: efs: mount point does not exist.
dmesg(1) may have more information after failed mount system call.
ubuntu@ip-10-0-9-195:~$ sudo mount -t nfs4 -o nfsvers=4.1,rsize=1048576,wsiz=1048576,hard,timeo=600,retr=2,noresvport fs-0027b8169e3e0f4df.efs.ap-south-1.amazonaws.com:/ efs
mount.nfs4: mount point efs does not exist
ubuntu@ip-10-0-9-195:~$
```

ENG US 12:51 26-08-2025

Amazon EFS - File systems list

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

Account ID: 3215-2823-1513

Amazon EFS > File systems

### Elastic File System

File systems

Access points

AWS Backup

AWS DataSync

AWS Transfer

Documentation

### File systems (1)

Filter by property values

Name	File system ID	Encrypt	Total size	Size in Standard
<a href="#">efs</a>	<a href="#">fs-0027b8169e3e0f4df</a>	Encrypted	6.00 KiB	6.00 KiB

CloudShell Feedback

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ubuntu@ip-10-0-9-195: ~

```
info: Adding system user 'statd' (UID 112) ...
info: Adding new user 'statd' (UID 112) with group 'nogroup' ...
info: Not creating home directory '/var/lib/nfs'.
Created symlink /etc/systemd/system/multi-user.target.wants/nfs-client.target → /usr/lib/systemd/system/nfs-client.target.
Created symlink /etc/systemd/system/remote-fs.target.wants/nfs-client.target → /usr/lib/systemd/system/nfs-client.target.
auth-rpcgss-module.service is a disabled or a static unit, not starting it.
nfs-idmapd.service is a disabled or a static unit, not starting it.
nfs-utils.service is a disabled or a static unit, not starting it.
proc-fs-nfsd.mount is a disabled or a static unit, not starting it.
rpc-gssd.service is a disabled or a static unit, not starting it.
rpc-statd.notify.service is a disabled or a static unit, not starting it.
rpc-statd.service is a disabled or a static unit, not starting it.
rpc-svcgssd.service is a disabled or a static unit, not starting it.
Processing triggers for man-db (2.12.0-4build2) ...
Processing triggers for libc-bin (2.39-0ubuntu8.5) ...
Scanning processes...
Scanning linux images...

Running kernel seems to be up-to-date.

No services need to be restarted.

No containers need to be restarted.

No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.
ubuntu@ip-10-0-9-195:~$ sudo mount -t nfs4 -o nfsvers=4.1 fs-0027b8169e3e0f4df.efs.ap-south-1.amazonaws.com:/mnt/efs
mount.nfs4: mount point /mnt/efs does not exist
ubuntu@ip-10-0-9-195:~$ sudo mount -t efs -o tls fs-0027b8169e3e0f4df:/ efs
mount: efs: mount point does not exist.
dmesg(1) may have more information after failed mount system call.
ubuntu@ip-10-0-9-195:~$ sudo mount -t nfs4 -o nfsvers=4.1,rsize=1048576,wsize=1048576,hard,timeo=600,rtrtrans=2,noresvport fs-0027b8169e3e0f4df.efs.ap-south-1.amazonaws.com:/ efs
mount.nfs4: mount point efs does not exist
ubuntu@ip-10-0-9-195:~$ sudo mount -t efs -o tls,accesspoint=fsap-015de3af393807d43 fs-0027b8169e3e0f4df:/ efs
mount: efs: mount point does not exist.
dmesg(1) may have more information after failed mount system call.
ubuntu@ip-10-0-9-195:~$
```

ENG US 13:35 26-08-2025



```
ubuntu@ip-10-0-9-195: ~  
* Documentation: https://help.ubuntu.com  
* Management: https://landscape.canonical.com  
* Support: https://ubuntu.com/pro  
  
System information as of Tue Aug 26 08:08:39 UTC 2025  
  
System load: 0.0 Temperature: -273.1 C  
Usage of /: 29.1% of 6.71GB Processes: 114  
Memory usage: 12% Users logged in: 1  
Swap usage: 0% IPv4 address for ens5: 10.0.9.195  
  
* Ubuntu Pro delivers the most comprehensive open source security and  
compliance features.  
  
https://ubuntu.com/aws/pro  
  
Expanded Security Maintenance for Applications is not enabled.  
  
5 updates can be applied immediately.  
5 of these updates are standard security updates.  
To see these additional updates run: apt list --upgradable  
  
Enable ESM Apps to receive additional future security updates.  
See https://ubuntu.com/esm or run: sudo pro status  
  
Last login: Tue Aug 26 07:18:30 2025 from 103.42.196.123  
ubuntu@ip-10-0-9-195:~$ sudo apt install -y nfs-common  
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 5 not upgraded.  
ubuntu@ip-10-0-9-195:~$ sudo mount -t nfs4 -o nfsvers=4.1 fs-0e9e0d2e6e8a1f1b0.efs.ap-south-1.amazonaw  
s.com:/ /mnt/efs  
mount.nfs4: mount point /mnt/efs does not exist  
ubuntu@ip-10-0-9-195:~$ sudo mount -t nfs4 -o nfsvers=4.1 fs-0e9e0d2e6e8a1f1b0.efs.ap-south-1.amazonaw  
s.com:/ /mnt/efs  
mount.nfs4: mount point /mnt/efs does not exist  
ubuntu@ip-10-0-9-195:~$ sudo apt install -y amazon-efs-utils  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
E: Unable to locate package amazon-efs-utils  
ubuntu@ip-10-0-9-195:~$ sudo mount -t nfs4 -o nfsvers=4.1,rsize=1048576,wsiz=1048576,hard,timeo=600,r  
etrans=2,norevport fs-0027b8169e3e0f4df.efs.ap-south-1.amazonaws.com:/ /mnt/efs  
mount.nfs4: mount point /mnt/efs does not exist  
ubuntu@ip-10-0-9-195:~$ sudo mount -t nfs4 -o nfsvers=4.1,rsize=1048576,wsiz=1048576,hard,timeo=600,r  
etrans=2,norevport 10.0.14.240:/ efs  
mount.nfs4: mount point efs does not exist  
ubuntu@ip-10-0-9-195:~$
```

Connect to instance | EC2 | ap-south-1

ap-south-1.console.aws.amazon.com/efs/home?region=ap-south-1#/file-systems/fs-0...

Amazon EFS > File systems > fs-0027b8169e3e0f4df

### Elastic File System

File systems

Access points

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-0027b8169e3e0f4df:/ efs
```

☒ Copied to clipboard

```
sudo mount -t nfs4 -o nfsvers=4.1,rsize=1048576,wsiz=1048576,hard,timeo=600,retr=2,noresvport fs-0027b8169e3e0f4df.efs.ap-south-1.amazonaws.com:/ efs
```

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

Close

File system policy Access points Network Replication

CloudShell Feedback

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ubuntu@ip-10-0-9-195: ~

Enable ESM Apps to receive additional future security updates.  
See <https://ubuntu.com/esm> or run: `sudo pro status`

Last login: Tue Aug 26 08:08:39 2025 from 117.221.64.191

```
ubuntu@ip-10-0-9-195:~$ sudo apt update
sudo apt install -y nfs-common
Hit:1 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble InRelease
Get:2 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Get:3 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
Get:4 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 Packages [1352 kB]
Get:5 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main Translation-en [269 kB]
Get:6 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 Components [174 kB]
Get:7 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Packages [1124 kB]
Get:8 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Components [377 kB]
Get:9 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Components [212 B]
Get:10 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Components [940 B]
Get:11 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/main amd64 Components [7068 B]
Get:12 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe amd64 Components [19.2 kB]
Get:13 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/restricted amd64 Components [216 B]
Get:14 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/multiverse amd64 Components [212 B]
Get:15 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]
Get:16 http://security.ubuntu.com/ubuntu noble-security/main amd64 Components [21.5 kB]
Get:17 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Components [52.3 kB]
Get:18 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Components [212 B]
Get:19 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Components [212 B]
Fetched 3777 kB in 2s (1885 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
5 packages can be upgraded. Run 'apt list --upgradable' to see them.
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 5 not upgraded.
ubuntu@ip-10-0-9-195:~$ sudo mkdir -p /mnt/efs1
ubuntu@ip-10-0-9-195:~$ ls
.  ..  .bash_history  .bash_logout  .bashrc  .cache  .profile  .ssh  .sudo_as_admin_successful
ubuntu@ip-10-0-9-195:~$ ls -la /mnt
.  ..  efs  efs1
ubuntu@ip-10-0-9-195:~$ sudo mount -t nfs4 -o nfsvers=4.1,rsize=1048576,wsiz=1048576,hard,timeo=600,retr=2,noresvport fs-0027b8169e3e0f4df.efs.ap-south-1.amazonaws.com:/ /mnt/efs1
ubuntu@ip-10-0-9-195:~$
```

```
buntu@ip-10-0-9-195:~$ sudo mkdir -p /mnt/efs1
buntu@ip-10-0-9-195:~$ ls
buntu@ip-10-0-9-195:~$ ls -a
..  .bash_history  .bash_logout  .bashrc  .cache  .profile  .ssh  .sudo_as_admin_successful
buntu@ip-10-0-9-195:~$ ls -a /mnt
..  efs  efs1
buntu@ip-10-0-9-195:~$ sudo mount -t nfs4 -o nfsvers=4.1,rsize=1048576,wsiz=1048576,hard,timeo=600,r
trans=2,noresvport fs-0027b8169e3e0f4df.efs.ap-south-1.amazonaws.com:/ /mnt/efs1
buntu@ip-10-0-9-195:~$ echo "testing efs storage from ubuntu instance" > /mnt/efs1/textfile1.txt
bash: /mnt/efs1/textfile1.txt: Permission denied
buntu@ip-10-0-9-195:~$
```

System information as of Tue Aug 26 14:14:32 UTC 2025

System load:	0.0	Temperature:	-273.1 C
Usage of /:	31.3% of 6.71GB	Processes:	117
Memory usage:	12%	Users logged in:	0
Swap usage:	0%	IPv4 address for ens5:	10.0.9.195

\* Ubuntu Pro delivers the most comprehensive open source security and compliance features.

<https://ubuntu.com/aws/pro>

Expanded Security Maintenance for Applications is not enabled.

5 updates can be applied immediately.

5 of these updates are standard security updates.

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

Enable ESM Apps to receive additional future security updates.

See <https://ubuntu.com/esm> or run: `sudo pro status`

Last login: Tue Aug 26 14:07:53 2025 from 157.51.214.179

ubuntu@ip-10-0-9-195:~\$ `ls -a /mnt`

. .. efs efs1

ubuntu@ip-10-0-9-195:~\$ `echo "testing efs storage from ubuntu instance" > /mnt/efs1/textfile.txt`

ubuntu@ip-10-0-9-195:~\$ `ls -a /mnt/efs1/`

. .. textfile.txt

ubuntu@ip-10-0-9-195:~\$

testing efs storage from ubuntu instance

[ Read 1 line ]



<https://aws.amazon.com/linux/amazon-linux-2023>

```
[ec2-user@ip-10-0-24-57 ~]$ sudo yum install -y nfs-utils
```

Package nfs-utils-1:2.5.4-2.rc3.amzn2023.0.3.x86\_64 is already installed.

Nothing to do.

```
[ec2-user@ip-10-0-24-57 ~]$ sudo mkdir -p /mnt/efs1
```

```
mount.nfs4: mount point efs1 does not exist
```

```

.  ..  efs  efs1

```

```
[ec2-user@ip-10-0-24-57 ~]$ ls -a /mnt/efs1
```

```
[ec2-user@ip-10-0-24-57 ~]$ nano /mnt/efs1/textfile.txt
```

```
[ec2-user@ip-10-0-24-57 ~]$
```