

Amazon EFS - file systems list | EC2 SSH Username Guide | +

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

aws Search [Alt+S]

Amazon EFS > File systems

Elastic File System

File systems (0)

Filter by property values

| Name | File system ID | Encrypted | Total size | Size in Standard | Size in IA | Size in Archive | Provisioned Throughput (MiB/s) |
|--------------|----------------|-----------|------------|------------------|------------|-----------------|--------------------------------|
| No resources | | | | | | | |

Create file system

CloudShell Feedback

20°C Mostly cloudy

Education Amazon EFS - Create a file system | EC2 SSH Username Guide | +

https://us-east-1.console.aws.amazon.com/efs/home?region=us-east-1#/file-systems/create?name=8&vpc=vpc-02196942317add486

aws Search [Alt+S]

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.

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

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.

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Amazon EFS - Create a file system | EC2 SSH Username Guide

https://us-east-1.console.aws.amazon.com/efs/home?region=us-east-1#/file-systems/create?name=&vpc=vpc-02196942317add486

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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](#)

Enable encryption of data at rest

[Customize encryption settings](#)

Performance settings

Throughput mode
Choose a method for your file system's throughput limits. [Learn more](#)

Enhanced
Provides more flexibility and higher throughput levels for workloads with a range of performance requirements.

Bursting
Provides throughput that scales with the amount of storage for workloads with basic performance requirements.

Elastic (Recommended)
Use this mode for workloads with unpredictable I/O. With Elastic Throughput, performance automatically scales with your workload activity and you only pay for the throughput you use (data transferred for your file systems per month). [Learn more](#)

Provisioned
Use this mode if you can estimate your workload's throughput requirements. With Provisioned mode, you configure your file system's throughput and pay for throughput provisioned.

[Additional settings](#)

[Tags optional](#)

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Use this mode for workloads with unpredictable I/O. With Elastic Throughput, performance automatically scales with your workload activity and you only pay for the throughput you use (data transferred for your file systems per month). [Learn more](#)

Provisioned
Use this mode if you can estimate your workload's throughput requirements. With Provisioned mode, you configure your file system's throughput and pay for throughput provisioned.

[Additional settings](#)

Performance mode
Set your file system's performance mode based on IOPS required. File systems using Elastic throughput mode only support General Purpose performance mode. [Learn more](#)

General Purpose (Recommended)
Ideal for a variety of diverse workloads, including high performance and latency-sensitive applications

Max I/O
Designed for highly parallelized workloads that can tolerate higher latencies

[Tags optional](#)

Add tags to associate key-value pairs to your resource. [Learn more](#)

Tag key Tag value - optional

Q_name efs-demo Remove tag

Add tag You can add 49 more tag(s)

Cancel Next

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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

Network

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

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

vpc-02196942317add486

Availability zone Subnet ID IP address type IPv4 address IPv6 address Security groups

us-east-1a subnet... IPv4 only Optional Choose s... Remove

sg-01ae782fd 787c833f default

us-east-1b subnet... IPv4 only Optional Choose s... Remove

sg-01ae782fd 787c833f default

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Amazon EFS - Create a file system | EC2 SSH Username Guide

https://us-east-1.console.aws.amazon.com/efs/home?region=us-east-1#/file-systems/create?name=&vpc=vpc-02196942317add486

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us-east-1b subnet... IPv4 only Optional Choose s... Remove

sg-01ae782fd 787c833f default

us-east-1c subnet... IPv4 only Optional Choose s... Remove

sg-01ae782fd 787c833f default

us-east-1d subnet... IPv4 only Optional Choose s... Remove

sg-01ae782fd 787c833f default

us-east-1f subnet... IPv4 only Optional Choose s... Remove

sg-01ae782fd 787c833f default

Add mount target

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Amazon EFS - Create a file system | EC2 SSH Username Guide

https://us-east-1.console.aws.amazon.com/efs/home?region=us-east-1#/file-systems/create?name=8&vpc=vpc-02196942317add486

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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 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}

1

Clear

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

Cancel Previous Next

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Education Amazon EFS - Create a file system | EC2 SSH Username Guide

https://us-east-1.console.aws.amazon.com/efs/home?region=us-east-1#/file-systems/create?name=8&vpc=vpc-02196942317add486

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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

Review and create

Step 1: File system settings

File system

| Field | Value | Is editable? |
|----------------------|---|--------------|
| Name | efs-demo | 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 | Yes | Yes |
| VPC ID | vpc-02196942317add486 (default) | Yes |
| Availability Zone | Regional | No |

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https://us-east-1.console.aws.amazon.com/efs/home?region=us-east-1#/file-systems/create?name=&vpc=vpc-02196942317add486

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Tags

| Tag key | Tag value |
|---------|-----------|
| name | efs-demo |

Step 2: Network access

Mount targets

| Availability zone | Subnet | IPv4 address | IPv6 address | Security groups |
|-------------------|--------------------------|--------------|--------------|----------------------|
| us-east-1a | subnet-0f611e218bcc81f3b | - | N/A | sg-01ae782fd787cb33f |
| us-east-1b | subnet-012d59a3c6d19642 | - | N/A | sg-01ae782fd787cb33f |
| us-east-1c | subnet-08d2972ac79bdd96d | - | N/A | sg-01ae782fd787cb33f |
| us-east-1d | subnet-0a9ed3914328bcd7c | - | N/A | sg-01ae782fd787cb33f |
| us-east-1f | subnet-0dffac280838582fa | - | N/A | sg-01ae782fd787cb33f |

Step 3: File system policy

File system policy

1

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Amazon EFS - Create a file system | EC2 SSH Username Guide

https://us-east-1.console.aws.amazon.com/efs/home?region=us-east-1#/file-systems/create?name=&vpc=vpc-02196942317add486

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Screenshot of the AWS CloudShell interface showing two browser windows side-by-side.

The left window displays the Amazon EFS - file systems list, showing a single file system named "efs-demo".

| Name | File system ID | Encrypted | Total size | Size in Standard | Size in IA | Size in Archive | Provisioned Throughput (MiB/s) |
|----------|----------------------|------------|------------|------------------|------------|-----------------|--------------------------------|
| efs-demo | fs-0b2dfc918d3c5fa5b | Encrypte d | 6.00 KB | 6.00 KB | 0 Bytes | 0 Bytes | - |

The right window displays the EC2 Instances page, showing the "Launch an instance" wizard.

Launch an instance

Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.

Name and tags

Name: amazon-linux-server

Application and OS Images (Amazon Machine Image)

An AMI contains the operating system, application server, and applications for your instance. If you don't see a suitable AMI below, use the search field or choose [Browse more AMIs](#).

Search our full catalog including 1000s of application and OS images

Recent AMIs: Amazon Linux, macOS, Ubuntu, Windows, Red Hat, SUSE Linux, Debian

Quick Start AMIs: Amazon Linux, macOS, Ubuntu, Windows, Red Hat, SUSE Linux, Debian

Browse more AMIs

Summary

Number of instances: 1

Software Image (AMI): Amazon Linux 2023 AMI 2023.8.2... [read more](#)

ami-0ba6efdf148b1f7504

Virtual server type (instance type): t2.micro

Firewall (security group): New security group

Storage (volumes): 1 volume(s) - 8 GiB

Actions

Cancel, Launch instance, Preview code

Screenshot of the AWS Cloud Console showing the process of launching an EC2 instance.

Instance type: t2.micro (Free tier eligible)

Key pair (login): efs-demo

Network settings:

- Network: vpc-02196942317add486
- Subnet: No preference (Default subnet in any availability zone)
- Auto-assign public IP: Enabled

Network settings (Advanced):

- Create security group: Create security group
- Select existing security group: Select security groups
- Common security groups: default sg-01ae782fd787c833f (VPC: vpc-02196942317add486)

Configure storage:

- Root volume: 8 GiB gp3 (3000 IOPS, Not encrypted)

Summary:

- Number of instances: 1
- Software Image (AMI): Amazon Linux 2023 AMI 2023.8.2... (ami-0ba6aefdf148b1f7504)
- Virtual server type (instance type): t2.micro
- Firewall (security group): New security group
- Storage (volumes): 1 volume(s) - 8 GiB

Actions: Cancel, Launch instance, Preview code

Success
Successfully initiated launch of instance (i-0c176a4a5a3d0e576)

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

[Create billing alerts](#)

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

[Connect to instance](#)

[Learn more](#)

Connect an RDS database
Create a policy that automates the creation, retention, and deletion of EBS snapshots.

[Create an RDS database](#)

[Create a new RDS database](#)

[Learn more](#)

Create EBS snapshot policy

[Create EBS snapshot policy](#)

Manage detailed monitoring

Create Load Balancer

Create AWS budget

Manage CloudWatch alarms

CloudShell Feedback

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Education Amazon EFS - file systems list Launch an instance | EC2 | us-east-1#LaunchInstances:

EC2 Instances Launch an instance

Launch an instance

Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.

Name and tags

Name: ubuntu-server

Add additional tags

Application and OS Images (Amazon Machine Image)

An AMI contains the operating system, application server, and applications for your instance. If you don't see a suitable AMI below, use the search field or choose [Browse more AMIs](#).

Search our full catalog including 1000s of application and OS images

Recents Quick Start

Amazon Linux macOS Ubuntu Windows Red Hat SUSE Linux Debian

aws Mac

ubuntu Microsoft Red Hat SUSE debian

Browse more AMIs Including AMIs from AWS, Marketplace and the Community

Summary

Number of instances: 1

Software Image (AMI): Canonical, Ubuntu, 24.04, amd6... [read more](#)

ami-020cba7c55tdff1f615

Virtual server type (instance type): t2.micro

Firewall (security group): New security group

Storage (volumes): 1 volume(s) - 8 GiB

Cancel Launch instance Preview code

CloudShell Feedback

Rainy days ahead 23°C

Education Amazon EFS - file systems list Launch an instance | EC2 | us-east-1#LaunchInstances:

EC2 Instances Launch an instance

Screenshot of the AWS CloudShell interface showing the launch of an EC2 instance.

Amazon EFS - file systems list | **Launch an instance | EC2 | us-east-1**

EC2 > Instances > Launch an instance

Amazon Machine Image (AMI)

- Ubuntu Server 24.04 LTS (HVM), SSD Volume Type
 - ami-020cba7c55df1f615 (64-bit (x86)) / ami-07041441b708acbd6 (64-bit (Arm))
 - Virtualization: hvm ENA enabled: true Root device type: ebs

Description

Ubuntu Server 24.04 LTS (HVM), EBS General Purpose (SSD) Volume Type. Support available from Canonical (<http://www.ubuntu.com/cloud/services>).

Canonical, Ubuntu, 24.04, amd64 noble image

| Architecture | AMI ID | Publish Date | Username | Verified provider |
|--------------|-----------------------|--------------|----------|-------------------|
| 64-bit (x86) | ami-020cba7c55df1f615 | 2025-06-10 | ubuntu | Verified provider |

Instance type [Info](#) | [Get advice](#)

Instance type

t2.micro Family: t2 1 vCPU 1 GiB Memory Current generation: true Free tier eligible

- On-Demand Windows base pricing: 0.0162 USD per Hour
- On-Demand Ubuntu Pro base pricing: 0.0134 USD per Hour
- On-Demand SUSE base pricing: 0.0116 USD per Hour
- On-Demand RHEL base pricing: 0.026 USD per Hour
- On-Demand Linux base pricing: 0.0116 USD per Hour

[All generations](#) [Compare instance types](#)

Additional costs apply for AMIs with pre-installed software

Summary

Number of instances [Info](#)

1

Software Image (AMI) Canonical, Ubuntu, 24.04, amd64... [read more](#)

ami-020cba7c55df1f615

Virtual server type (instance type) t2.micro

Firewall (security group) New security group

Storage (volumes) 1 volume(s) - 8 GiB

[Cancel](#) [Launch instance](#) [Preview code](#)

CloudShell Feedback

Rainy days ahead 23°C

Education | **Amazon EFS - file systems list** | **Launch an instance | EC2 | us-east-1**

EC2 > Instances > Launch an instance

Key pair (login) [Info](#)

You can use a key pair to securely connect to your instance. Ensure you have a key pair ready to use.

Key pair name - required

Select

Network settings [Info](#)

Network [Info](#) [vpc-02196942317add486](#)

Subnet [Info](#) No preference (Default subnet in any availability zone)

Auto-assign public IP [Info](#) Enable

Additional changes apply when outside of free tier allowance

Firewall (security groups) [Info](#) A security group is a set of firewall rules that control the traffic for your instance.

Create security group Select existing security group

We'll create a new security group called 'launch-wizard-24' with the following rules:

Allow SSH traffic from Anywhere 0.0.0.0/0

Create key pair

Key pair name Key pairs allow you to connect to your instance securely.

The name can include up to 255 ASCII characters. It can't include leading or trailing spaces.

Key pair type

RSA RSA encrypted private and public key pair ED25519 ED25519 encrypted private and public key pair

Private key file format

.pem For use with OpenSSH .ppk For use with PUTTY

When prompted, store the private key in a secure and accessible location on your computer. You will need it later to connect to your instance. [Learn more](#)

[Cancel](#) [Create key pair](#)

Summary

Number of instances [Info](#)

1

Software Image (AMI) Canonical, Ubuntu, 24.04, amd64... [read more](#)

ami-020cba7c55df1f615

Virtual server type (instance type) t2.micro

Firewall (security group) New security group

Storage (volumes) 1 volume(s) - 8 GiB

[Cancel](#) [Launch instance](#) [Preview code](#)

CloudShell Feedback

NIFTY +0.11%

Screenshot of the AWS CloudShell interface showing the launch of an EC2 instance.

The top navigation bar includes tabs for Education, Amazon EFS - file systems list, Launch an instance | EC2 | us-east-1, and Launch instances.

The main content area shows the "Launch an instance" wizard:

- Key pair (login)**: A dropdown menu shows "efs-demo-1".
- Network settings**:
 - Network: vpc-02196942317add486
 - Subnet: No preference (Default subnet in any availability zone)
 - Auto-assign public IP: Enabled
 - Firewall (security groups):
 - Create security group (selected)
 - Select existing security group
 - Allow SSH traffic from Anywhere (0.0.0.0/0)
- Summary**: Shows 1 instance, AMI: Canonical, Ubuntu, 24.04, amd64, Virtual server type: t2.micro, Storage: 1 volume(s) - 8 GiB.
- Buttons**: Cancel, Launch instance, Preview code.

The bottom navigation bar includes CloudShell, Feedback, and links to various AWS services like S3, Lambda, and CloudWatch.

Screenshot of the AWS CloudShell interface showing the launch of an EC2 instance.

Success
Successfully initiated launch of instance (i-06fb16ba3f467a929)

Launch log

Next Steps

- Create billing and free tier usage alerts
- Connect to your instance
- Connect an RDS database
- Create EBS snapshot policy
- Manage detailed monitoring
- Create Load Balancer
- Create AWS budget
- Manage CloudWatch alarms

Launch an instance

Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.

Name and tags

Name: redhat-server

Application and OS Images (Amazon Machine Image)

An AMI contains the operating system, application server, and applications for your instance. If you don't see a suitable AMI below, use the search field or choose [Browse more AMIs](#).

Software Image (AMI)
Provided by Red Hat, Inc.
ami-0ec18fb6103c5e0491

Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

Storage (volumes)
1 volume(s) - 10 GiB

Summary

Number of instances: 1

Launch instance

Preview code

Amazon EFS - file systems list | Launch an instance | EC2 | us-east-1 | LaunchInstances:

EC2 > Instances > Launch an instance

Amazon Machine Image (AMI)

Red Hat Enterprise Linux 10 (HVM), SSD Volume Type
 ami-0ec18f6103c5e0491 (64-bit (x86)) / ami-05278b10de9b54803 (64-bit (Arm))
 Virtualization: hvm ENA enabled: true Root device type: ebs

Description
 Red Hat Enterprise Linux version 10 (HVM), EBS General Purpose (SSD) Volume Type

Provided by Red Hat, Inc.

Architecture: 64-bit (x86) | **AMI ID**: ami-0ec18f6103c5e0491 | **Publish Date**: 2025-06-20 | **Username**: ec2-user | **Verified provider**

Instance type | Info | Get advice

t2.micro | Free tier eligible

Family: t2
 1 vCPU 1 GiB Memory Current generation: true
 On-Demand Windows base pricing: 0.0162 USD per Hour
 On-Demand Ubuntu Pro base pricing: 0.0134 USD per Hour
 On-Demand SUSE base pricing: 0.0116 USD per Hour On-Demand RHEL base pricing: 0.026 USD per Hour
 On-Demand Linux base pricing: 0.0116 USD per Hour

All generations | Compare instance types

Additional costs apply for AMIs with pre-installed software

Key pair (login) | Info

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

Key pair name - required: efs-demo-2 | Create new key pair

Network settings | Info | Edit

Network: info
 vpc-02196942317add486

Subnet: info
 No preference (Default subnet in any availability zone)

Auto-assign public IP: info
 Enable
 Additional charges apply when outside of free tier allowance

Firewall (security groups): info
 A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.
 Create security group | Select existing security group

We'll create a new security group called 'launch-wizard-24' with the following rules:
 Allow SSH traffic from Anywhere 0.0.0.0/0

Summary

Number of instances: 1

Software Image (AMI)
 Provided by Red Hat, Inc.
 ami-0ec18f6103c5e0491

Virtual server type (instance type): t2.micro

Firewall (security group): New security group

Storage (volumes): 1 volume(s) - 10 GiB

Launch instance | Preview code

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Education | Amazon EFS - file systems list | Launch an instance | EC2 | us-east-1 | LaunchInstances:

EC2 > Instances > Launch an instance

Key pair (login) | Info

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

Key pair name - required: efs-demo-2 | Create new key pair

Network settings | Info | Edit

Network: info
 vpc-02196942317add486

Subnet: info
 No preference (Default subnet in any availability zone)

Auto-assign public IP: info
 Enable
 Additional charges apply when outside of free tier allowance

Firewall (security groups): info
 A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.
 Create security group | Select existing security group

We'll create a new security group called 'launch-wizard-24' with the following rules:
 Allow SSH traffic from Anywhere 0.0.0.0/0

Summary

Number of instances: 1

Software Image (AMI)
 Provided by Red Hat, Inc.
 ami-0ec18f6103c5e0491

Virtual server type (instance type): t2.micro

Firewall (security group): New security group

Storage (volumes): 1 volume(s) - 10 GiB

Launch instance | Preview code

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Screenshot of the AWS CloudShell interface showing the launch of an EC2 instance.

Network settings:

- Network: Info
- vpc-02196942317add486
- Subnet: Info
- No preference (Default subnet in any availability zone)
- Auto-assign public IP: Info
- Enable
- Additional charges apply when outside of free tier allowance
- Firewall (security groups): Info
- A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.
 - Create security group
 - Select existing security group
- Common security groups: Info
- Select security groups
- default sg-01ae782fd787c833f X VPC: vpc-02196942317add486
- Security groups that you add or remove here will be added to or removed from all your network interfaces.

Configure storage:

- 1x 10 GiB gp5 Root volume, 3000 IOPS, Not encrypted
- Advanced

Summary:

- Number of instances: Info
- Software Image (AMI): Provided by Red Hat, Inc. ami-0ec18f6103c5e0491
- Virtual server type (instance type): t2.micro
- Firewall (security group): default
- Storage (volumes): 1 volume(s) - 10 GiB
- Cancel
- Launch instance
- Preview code

Success: Successfully initiated launch of instance (i-0d9f6f9d6f9a05fe)

Next Steps:

- Q. What would you like to do next with this instance, for example "create alarm" or "create backup"
- 1 2 3 4 5 6 >

Actions:

- Create billing and free tier usage alerts
- Connect to your instance
- Connect an RDS database
- Create EBS snapshot policy
- Manage detailed monitoring
- Create Load Balancer
- Create AWS budget
- Manage CloudWatch alarms

Amazon EFS - file systems list Instances | EC2 | us-east-1

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

EC2 Instances (3) Info

| Name | Instance ID | Instance state | Instance type | Status check | Alarm status | Availability Zone | Pul |
|---------------------|----------------------|----------------|---------------|-------------------|-------------------------------|-------------------|-----|
| ubuntu-server | i-06fb16ba3f467a929 | Running | t2.micro | 2/2 checks passed | View alarms + | us-east-1b | ec2 |
| redhat-server | i-0d9f6f9d6f9a05ffe | Running | t2.micro | 2/2 checks passed | View alarms + | us-east-1b | ec2 |
| amazon-linux-server | i-0c176aa4a5a3d0e576 | Running | t2.micro | 2/2 checks passed | View alarms + | us-east-1b | ec2 |

Select an instance

CloudShell Feedback

CloudShell Feedback

Education AWS Management Console ModifyInboundSecurityGroupRule

<https://us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#ModifyInboundSecurityGroupRules:securityGroupId=sg-01ae782fd787c833f>

EC2 > Security Groups > sg-01ae782fd787c833f - default > Edit inbound rules

Edit inbound rules

Inbound rules control the incoming traffic that's allowed to reach the instance.

| Inbound rules info | Type | Protocol | Port range | Source | Description - optional |
|-----------------------|-------------|----------|------------|--------|---|
| sgr-051dc838ad834ba6e | All traffic | All | All | Custom | <input type="text"/> 0.0.0.0/0 Delete |
| sgr-07eb81b5dfd2aa6f8 | HTTP | TCP | 80 | Custom | <input type="text"/> 0.0.0.0/0 Delete |
| sgr-0dc2def57a6bcad5 | SSH | TCP | 22 | Custom | <input type="text"/> 0.0.0.0/0 Delete |
| sgr-0c20458af0d4922a9 | NFS | TCP | 2049 | Custom | <input type="text"/> 0.0.0.0/0 Delete |

Add rule Cancel Preview changes Save rules

CloudShell Feedback

CloudShell Feedback

Connect Info

Connect to an instance using the browser-based client.

EC2 Instance Connect **Session Manager** **SSH client** **EC2 serial console**

Instance ID
i-0c176a4a5a3d0e576 (amazon-linux-server)

Connect using a Public IP
Connect using a public IPv4 or IPv6 address

Connect using a Private IP
Connect using a private IP address and a VPC endpoint

Username
Enter the username defined in the AMI used to launch the instance. If you didn't define a custom username, use the default username, ec2-user.

ec2-user

Note: In most cases, the default username, ec2-user, is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI username.

Cancel **Connect**

CloudShell **Feedback**

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23°C Mostly cloudy

Education | Amazon EFS - file systems list | Connect to instance | EC2 | us-east-1 | +

https://us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#ConnectToInstanceinstancetypeId=i-0c176a4a5a3d0e576

AWS | Search [Alt+S] United States (N. Virginia) Yellamma Mittagouni

EC2 Instance Connect **Session Manager** **SSH client** **EC2 serial console**

Instance ID
i-0c176a4a5a3d0e576 (amazon-linux-server)

1. Open an SSH client.
2. Locate your private key file. The key used to launch this instance is efs-demo.pem.
3. Run this command, if necessary, to ensure your key is not publicly viewable.
 chmod 400 "efs-demo.pem"
4. Connect to your instance using its Public DNS:
 ec2-54-167-63-34.compute-1.amazonaws.com

Example:
 ssh -i "efs-demo.pem" ec2-user@ec2-54-167-63-34.compute-1.amazonaws.com

Note: In most cases, the guessed username is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI username.

Cancel

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CloudShell

CloudShell

CloudShell

The image shows three vertically stacked screenshots of a Windows operating system interface, specifically focusing on the Command Prompt windows.

Top Window:

- Icon: Command Prompt
- Title Bar: Command Prompt
- Text: Microsoft Windows [Version 10.0.26100.4778]
(c) Microsoft Corporation. All rights reserved.
C:\Users\LENOVO>
- System Tray: Shows battery level (9%), 23°C, Mostly cloudy, ENG IN, 10:20, 29-07-2025

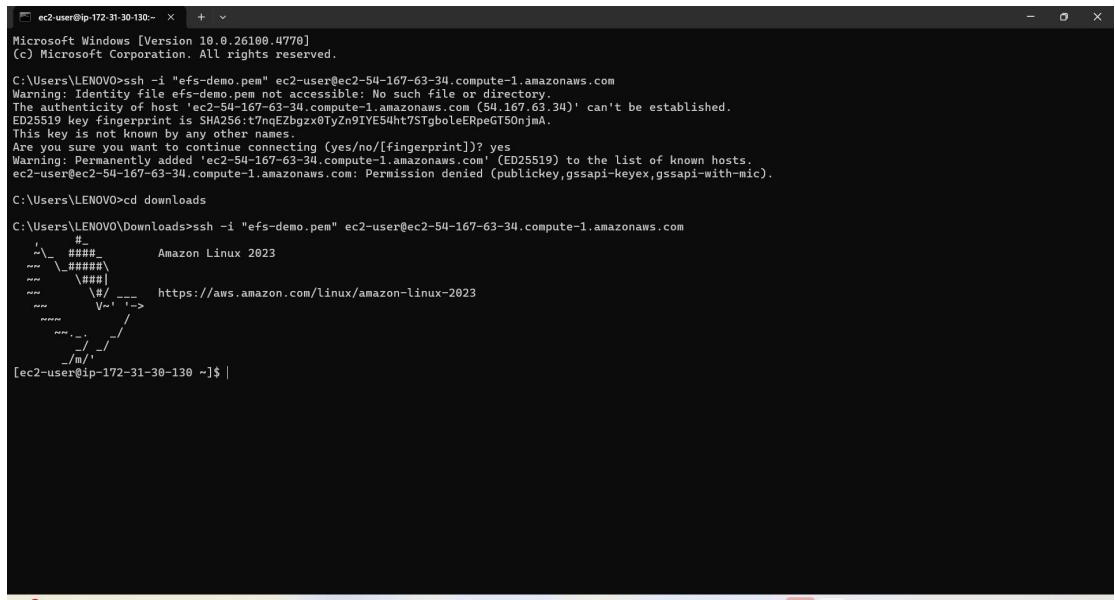
Middle Window:

- Icon: Command Prompt
- Title Bar: Command Prompt
- Text: Microsoft Windows [Version 10.0.26100.4778]
(c) Microsoft Corporation. All rights reserved.
C:\Users\LENOVO>ssh -i "efs-demo.pem" ec2-user@ec2-54-167-63-34.compute-1.amazonaws.com
- System Tray: Shows battery level (9%), 23°C, Mostly cloudy, ENG IN, 10:20, 29-07-2025

Bottom Window:

- Icon: Command Prompt
- Title Bar: Command Prompt
- Text: Microsoft Windows [Version 10.0.26100.4778]
(c) Microsoft Corporation. All rights reserved.
C:\Users\LENOVO>
- System Tray: Shows battery level (9%), 23°C, Mostly cloudy, ENG IN, 10:20, 29-07-2025

The sequence of screenshots illustrates the user's attempt to establish an SSH connection from their local Windows machine to an AWS EC2 instance. The middle window shows the command being typed, while the top and bottom windows show the initial state of the prompt.



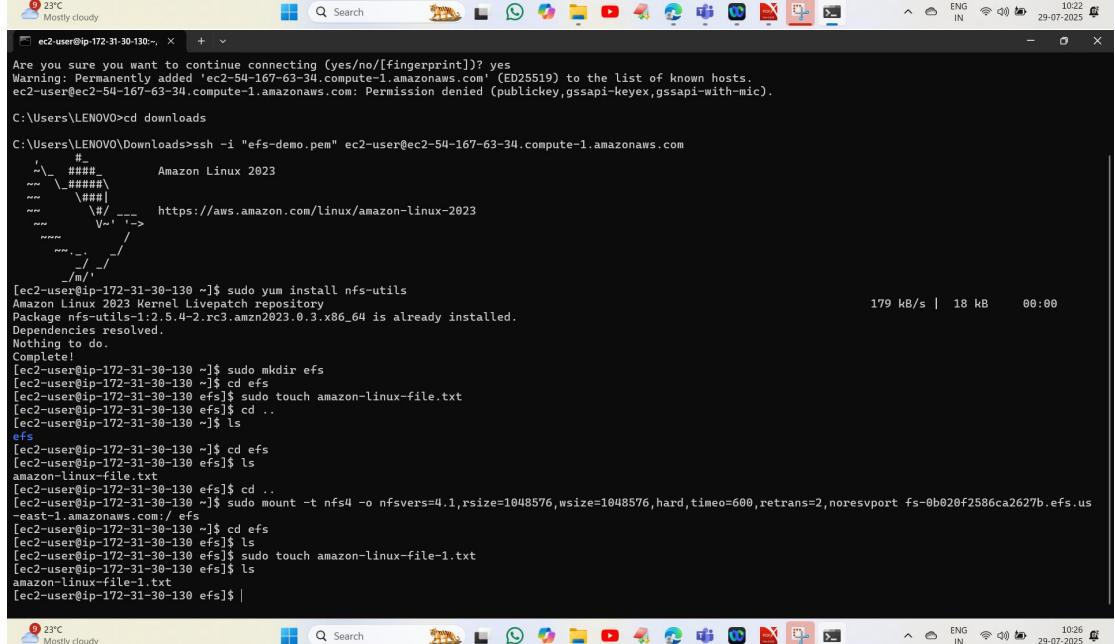
```

ec2-user@ip-172-31-30-130:~ + ~
Microsoft Windows [Version 10.0.26100.4770]
(c) Microsoft Corporation. All rights reserved.

C:\Users\LENOVO>sh -i "efs-demo.pem" ec2-user@ec2-54-167-63-34.compute-1.amazonaws.com
Warning: Identity file efs-demo.pem not accessible: No such file or directory.
The authenticity of host 'ec2-54-167-63-34.compute-1.amazonaws.com (54.167.63.34)' can't be established.
ED25519 key fingerprint is SHA256:t7nfZbgzx0TyZn9IYE54ht7STgboleERpeGT5OnjmA.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'ec2-54-167-63-34.compute-1.amazonaws.com' (ED25519) to the list of known hosts.
ec2-user@ec2-54-167-63-34.compute-1.amazonaws.com: Permission denied (publickey,gssapi-keyex,gssapi-with-mic).

C:\Users\LENOVO>cd downloads
C:\Users\LENOVO\Downloads>ssh -i "efs-demo.pem" ec2-user@ec2-54-167-63-34.compute-1.amazonaws.com
#_#
\###_
\###\ Amazon Linux 2023
\###\ https://aws.amazon.com/linux/amazon-linux-2023
\###\ /m/
[ec2-user@ip-172-31-30-130 ~]$ |

```

```

9 23°C Mostly cloudy
Windows Search
File Explorer
Calculator
Mail
OneDrive
Photos
YouTube
Cloud
File History
Task View
File
Edit
View
Insert
Format
Tools
Help
10:22 29-07-2025 ENG IN

ec2-user@ip-172-31-30-130:~ + ~
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'ec2-54-167-63-34.compute-1.amazonaws.com' (ED25519) to the list of known hosts.
ec2-user@ec2-54-167-63-34.compute-1.amazonaws.com: Permission denied (publickey,gssapi-keyex,gssapi-with-mic).

C:\Users\LENOVO>cd downloads
C:\Users\LENOVO\Downloads>ssh -i "efs-demo.pem" ec2-user@ec2-54-167-63-34.compute-1.amazonaws.com
#_#
\###_
\###\ Amazon Linux 2023
\###\ https://aws.amazon.com/linux/amazon-linux-2023
\###\ /m/
[ec2-user@ip-172-31-30-130 ~]$ sudo yum install nfs-utils
Amazon Linux 2023 Kernel Livepatch repository
Package nfs-utils-1.2.5.4-2.rc3.amzn2023.0.3.x86_64 is already installed.
Dependencies resolved.
Nothing to do.
Complete!
[ec2-user@ip-172-31-30-130 ~]$ sudo mkdir efs
[ec2-user@ip-172-31-30-130 ~]$ cd efs
[ec2-user@ip-172-31-30-130 efs]$ sudo touch amazon-linux-file.txt
[ec2-user@ip-172-31-30-130 efs]$ cd ..
[ec2-user@ip-172-31-30-130 ~]$ ls
efs
[ec2-user@ip-172-31-30-130 ~]$ cd efs
[ec2-user@ip-172-31-30-130 efs]$ ls
amazon-linux-file.txt
[ec2-user@ip-172-31-30-130 efs]$ cd ..
[ec2-user@ip-172-31-30-130 ~]$ sudo mount -t nfs4 -o nfsvers=4.1,rsize=1048576,wsize=1048576,hard,timeo=600,retrans=2,noresvport fs-0b020f2586ca2627b.efs.us-east-1.amazonaws.com:/efs
[ec2-user@ip-172-31-30-130 ~]$ ls
[ec2-user@ip-172-31-30-130 ~]$ sudo touch amazon-linux-file-1.txt
[ec2-user@ip-172-31-30-130 ~]$ ls
amazon-linux-file-1.txt
[ec2-user@ip-172-31-30-130 ~]$ |

```

Amazon EFS - File system config | Connect to instance | EC2 | us-east-1 | +

https://us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#ConnectToInstanceinstancetype=i-06fb16ba3f467a929

aws Search [Alt+S]

EC2 > Instances > i-06fb16ba3f467a929 > Connect to instance

Connect Info

Connect to an instance using the browser-based client.

EC2 Instance Connect **Session Manager** **SSH client** **EC2 serial console**

Instance ID
i-06fb16ba3f467a929 (ubuntu-server)

- Open an SSH client.
- Locate your private key file. The key used to launch this instance is efs-demo-1.pem
- Run this command, if necessary, to ensure your key is not publicly viewable.
chmod 400 "efs-demo-1.pem"
- Connect to your instance using its Public DNS:
ec2-54-91-172-194.compute-1.amazonaws.com

Example:
ssh -i "efs-demo-1.pem" ubuntu@ec2-54-91-172-194.compute-1.amazonaws.com

Note: In most cases, the guessed username is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI username.

Cancel

CloudShell Feedback

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23°C Mostly cloudy

ubuntu@ip-172-31-27-24: ~ + v

Microsoft Windows [Version 10.0.26100.4770]
(c) Microsoft Corporation. All rights reserved.

C:\Users\LENOVO>cd downloads

C:\Users\LENOVO\Downloads>ssh -i "efs-demo-1.pem" ubuntu@ec2-54-91-172-194.compute-1.amazonaws.com
Welcome to Ubuntu 24.04.2 LTS (GNU/Linux 6.8.0-1029-aws x86_64)

* Documentation: https://help.ubuntu.com
* Management: https://landscape.canonical.com
* Support: https://ubuntu.com/pro

System information as of Tue Jul 29 04:59:20 UTC 2025

System load: 0.02 Processes: 106
Usage of /: 25.6% of 6.71GB Users logged in: 0
Memory usage: 20% IPv4 address for enx0: 172.31.27.24
Swap usage: 0%

Expanded Security Maintenance for Applications is not enabled.
0 updates can be applied immediately.
Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

The list of available updates is more than a week old.
To check for new updates run: sudo apt update

Last login: Tue Jul 29 04:57:24 2025 from 49.207.221.192
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

ubuntu@ip-172-31-27-24: ~ \$ sudo yum install nfs-utils
sudo: yum: command not found
ubuntu@ip-172-31-27-24: ~ \$ sudo apt update
Hit:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble InRelease
Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Get:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]

Rainy days ahead 23°C

```

ubuntu@ip-172-31-27-24: ~ + 
Building dependency tree... Done
Reading state information... Done
93 packages are upgradeable. Run 'apt list --upgradable' to see them.
ubuntu@ip-172-31-27-24: ~ $ sudo apt install -y nfs-common
Building package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  keyutils libnfsidmap1 rpcbind
Suggested packages:
  watchdog
The following NEW packages will be installed:
  keyutils libnfsidmap1 nfs-common rpcbind
0 upgraded, 4 newly installed, 0 to remove and 92 not upgraded.
Need to get 400 kB of archives.
After this operation, 1416 kB of additional disk space will be used.
Get:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 libnfsidmap1 amd64 1:2.6.4-3ubuntu5.1 [48.3 kB]
Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 rpcbind amd64 1:2.6-7ubuntu2 [46.5 kB]
Get:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 keyutils amd64 1:6.3-3build1 [56.8 kB]
Get:4 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 nfs-common amd64 1:2.6.4-3ubuntu5.1 [248 kB]
Fetched 900 kB in 0s (11.1 kB/s)
Selecting previously unselected package libnfsidmap1:amd64.
(Reading database ... 70681 files and directories currently installed.)
Preparing to unpack .../libnfsidmap1:1:3a2.6-4~ubuntu5.1_amd64.deb ...
Unpacking libnfsidmap1:amd64 (1:2.6.4-3ubuntu5.1) ...
Selecting previously unselected package rpcbind.
Preparing to unpack .../rpcbind_1:2.6-7ubuntu2_amd64.deb ...
Unpacking rpcbind (1:2.6-7ubuntu2) ...
Selecting previously unselected package keyutils.
Preparing to unpack .../keyutils_1:6.3-3build1_amd64.deb ...
Unpacking keyutils (1:6.3-3build1) ...
Selecting previously unselected package nfs-common.
Preparing to unpack .../nfs-common_1:3a2.6-4~ubuntu5.1_amd64.deb ...
Unpacking nfs-common (1:2.6.4-3ubuntu5.1) ...
Setting up libnfsidmap1:amd64 (1:2.6.4-3ubuntu5.1) ...
Setting up rpcbind (1:2.6-7ubuntu2) ...
Created symlink /etc/systemd/system/multi-user.target.wants/rpcbind.service → /usr/lib/systemd/system/rpcbind.service.
Created symlink /etc/systemd/system/sockets.target.wants/rpcbind.socket → /usr/lib/systemd/system/rpcbind.socket.
Setting up keyutils (1:6.3-3build1) ...
Setting up nfs-common (1:2.6.4-3ubuntu5.1) ...

```

Amazon EFS - File system config | Connect to instance | EC2 | us-east-1 | +

https://us-east-1.console.aws.amazon.com/efs/home?region=us-east-1#file-systems/fs-0b020f2586ca2627b

Elastic File System

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-0b020f2586ca2627b:/ efs
```

Using the NFS client:

```
sudo mount -t nfs4 -o nfsvers=4.1,rsize=1048576,wsize=1048576,hard,timeo=600,retrans=2,noresvport fs-0b020f2586ca2627b.efs.us-east-1.amazonaws.com:/ efs
```

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

Close

Wi - AUS Game score

Education Amazon EFS - File system config Connect to instance | EC2 | us-east-1 | +

https://us-east-1.console.aws.amazon.com/efs/home?region=us-east-1#file-systems/fs-0b020f2586ca2627b

Elastic File System

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-0b020f2586ca2627b:/ efs
```

copied ient:

```
sudo mount -t nfs4 -o nfsvers=4.1,rsize=1048576,wsize=1048576,hard,timeo=600,retrans=2,noresvport fs-0b020f2586ca2627b.efs.us-east-1.amazonaws.com:/ efs
```

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

Close

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ENG IN 10:39 29-07-2025

Humid Now

CloudShell Feedback

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ENG IN 10:39 29-07-2025

```
ec2-user@ip-172-31-30-130:~ + ~
Amazon Linux 2023 Kernel Livepatch repository
Package nfs-utils-1:2.5.4-2.rc3.amzn2023.0.3.x86_64 is already installed.
Dependency resolved.
Nothing to do.
Complete!
[ec2-user@ip-172-31-30-130 ~]$ sudo mkdir efs
[ec2-user@ip-172-31-30-130 ~]$ cd efs
[ec2-user@ip-172-31-30-130 efs]$ sudo touch amazon-linux-file.txt
[ec2-user@ip-172-31-30-130 efs]$ cd ..
[ec2-user@ip-172-31-30-130 ~]$ ls
efs
[ec2-user@ip-172-31-30-130 ~]$ cd efs
[ec2-user@ip-172-31-30-130 efs]$ ls
amazon-linux-file.txt
[ec2-user@ip-172-31-30-130 efs]$ cd ..
[ec2-user@ip-172-31-30-130 ~]$ sudo mount -t nfs4 -o nfsvers=4.1,rsize=1048576,wsize=1048576,hard,timeo=600,retrans=2,noresvport fs-0b020f2586ca2627b.efs.us-east-1.amazonaws.com:/efs
[ec2-user@ip-172-31-30-130 ~]$ cd efs
[ec2-user@ip-172-31-30-130 efs]$ ls
[ec2-user@ip-172-31-30-130 efs]$ sudo touch amazon-linux-file-1.txt
[ec2-user@ip-172-31-30-130 efs]$ ls
amazon-linux-file-1.txt
[ec2-user@ip-172-31-30-130 efs]$ client_loop: send disconnect: Connection reset

C:\Users\LENOVO\Downloads>
C:\Users\LENOVO\Downloads>ssh -i "efs-demo.pem" ec2-user@ec2-54-167-63-34.compute-1.amazonaws.com
#
#_ _ _ _ _ Amazon Linux 2023
#_\ _ _ _ _ \
#_\ _ _ _ _ | https://aws.amazon.com/linux/amazon-linux-2023
#_\ _ _ _ _ #/ __->
#_\ _ _ _ _ V_>_>
#_\ _ _ _ _ /_>
#_\ _ _ _ _ /_>
#_\ _ _ _ _ /_>
#_\ _ _ _ _ /_>
Last login: Tue Jul 29 04:52:05 2025 from 49.207.221.192
[ec2-user@ip-172-31-30-130 ~]$ cd efs
[ec2-user@ip-172-31-30-130 efs]$ ls
amazon-linux-file-1.txt ubuntu-file-2.txt
[ec2-user@ip-172-31-30-130 efs]$
```

```
23°C Mostly cloudy
ec2-user@ip-172-31-30-130:~ + ~
Nothing to do.
Complete!
[ec2-user@ip-172-31-30-130 ~]$ sudo mkdir efs
[ec2-user@ip-172-31-30-130 ~]$ cd efs
[ec2-user@ip-172-31-30-130 efs]$ sudo touch amazon-linux-file.txt
[ec2-user@ip-172-31-30-130 efs]$ cd ..
[ec2-user@ip-172-31-30-130 ~]$ ls
efs
[ec2-user@ip-172-31-30-130 ~]$ cd efs
[ec2-user@ip-172-31-30-130 efs]$ ls
amazon-linux-file.txt
[ec2-user@ip-172-31-30-130 efs]$ sudo mount -t nfs4 -o nfsvers=4.1,rsize=1048576,wsize=1048576,hard,timeo=600,retrans=2,noresvport fs-0b020f2586ca2627b.efs.us-east-1.amazonaws.com:/efs
[ec2-user@ip-172-31-30-130 ~]$ cd efs
[ec2-user@ip-172-31-30-130 efs]$ ls
[ec2-user@ip-172-31-30-130 efs]$ sudo touch amazon-linux-file-1.txt
[ec2-user@ip-172-31-30-130 efs]$ ls
amazon-linux-file-1.txt
[ec2-user@ip-172-31-30-130 efs]$ client_loop: send disconnect: Connection reset

C:\Users\LENOVO\Downloads>
C:\Users\LENOVO\Downloads>ssh -i "efs-demo.pem" ec2-user@ec2-54-167-63-34.compute-1.amazonaws.com
#
#_ _ _ _ _ Amazon Linux 2023
#_\ _ _ _ _ \
#_\ _ _ _ _ | https://aws.amazon.com/linux/amazon-linux-2023
#_\ _ _ _ _ #/ __->
#_\ _ _ _ _ V_>_>
#_\ _ _ _ _ /_>
#_\ _ _ _ _ /_>
#_\ _ _ _ _ /_>
#_\ _ _ _ _ /_>
Last login: Tue Jul 29 04:52:05 2025 from 49.207.221.192
[ec2-user@ip-172-31-30-130 ~]$ cd efs
[ec2-user@ip-172-31-30-130 efs]$ ls
amazon-linux-file-1.txt ubuntu-file-2.txt
[ec2-user@ip-172-31-30-130 efs]$ sudo touch amazon-linux-file-2.txt
[ec2-user@ip-172-31-30-130 efs]$ ls
amazon-linux-file-1.txt amazon-linux-file-2.txt ubuntu-file-2.txt
[ec2-user@ip-172-31-30-130 efs]$
```

```

ubuntu@ip-172-31-27-24: ~ /e + ~
* Documentation: https://help.ubuntu.com
* Management: https://landscape.canonical.com
* Support: https://ubuntu.com/pro

System information as of Tue Jul 29 05:11:27 UTC 2025

System load: 0.0 Processes: 111
Usage of /: 29.0% of 6.71GB Users logged in: 1
Memory usage: 23% IPv4 address for enX0: 172.31.27.24
Swap usage: 0%

Expanded Security Maintenance for Applications is not enabled.

98 updates can be applied immediately.
61 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 Jul 29 04:59:21 2025 from 49.207.221.192
ubuntu@ip-172-31-27-24: ~$ cd efs
ubuntu@ip-172-31-27-24: ~/efs$ ls
ubuntu-file.txt
ubuntu@ip-172-31-27-24:~/efs$ sudo mount -t nfs4 -o nfsvers=4.1,rsize=1048576,wsize=1048576,hard,timeo=600,retrans=2,noresvport fs-0b020f2586ca2627b.efs.us-east-1.amazonaws.com:/efs
mount.nfs4: mount point efs does not exist
ubuntu@ip-172-31-27-24:~/efs$ cd ..
ubuntu@ip-172-31-27-24:~/efs$ sudo mount -t nfs4 -o nfsvers=4.1,rsize=1048576,wsize=1048576,hard,timeo=600,retrans=2,noresvport fs-0b020f2586ca2627b.efs.us-east-1.amazonaws.com:/efs
ubuntu@ip-172-31-27-24:~/efs$ cd efs
ubuntu@ip-172-31-27-24:~/efs$ ls
amazon-linux-file-1.txt
ubuntu@ip-172-31-27-24:~/efs$ sudo touch ubuntu-file-2.txt
ubuntu@ip-172-31-27-24:~/efs$ ls
amazon-linux-file-1.txt ubuntu-file-2.txt
ubuntu@ip-172-31-27-24:~/efs$ ls
amazon-linux-file-1.txt amazon-linux-file-2.txt ubuntu-file-2.txt
ubuntu@ip-172-31-27-24:~/efs$ |

```

The screenshot shows a Linux terminal session on an EC2 instance. The user has created an EFS file system named 'efs' and mounted it at the '/efs' directory. They then created two files, 'ubuntu-file-1.txt' and 'ubuntu-file-2.txt', in the mounted directory.

The screenshot shows the AWS CloudShell interface. The user is connecting to an EC2 instance with the ID 'i-0d9f6f9d6f9a05ffe'. The 'SSH client' tab is selected, displaying the command to connect via SSH:

```

ssh -i "efs-demo-2.pem" ec2-user@ec2-18-207-151-114.compute-1.amazonaws.com

```

A note below the command states: "Note: In most cases, the guessed username is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI username."

```

ec2-user@ip-172-31-18-122:~ + ~
Microsoft Windows [Version 10.0.26100.4770]
(c) Microsoft Corporation. All rights reserved.

C:\Users\LENOVO>cd downloads

C:\Users\LENOVO\Downloads>ssh -i "efs-demo-2.pem" ec2-user@ec2-18-207-151-114.compute-1.amazonaws.com
The authenticity of host 'ec2-18-207-151-114.compute-1.amazonaws.com (18.207.151.114)' can't be established.
ED25519 key fingerprint is SHA256:sm0RwSjW9ZvtyQyk3afcBlQ/34nZSJgkZ+Fd89vWYt4.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'ec2-18-207-151-114.compute-1.amazonaws.com' (ED25519) to the list of known hosts.
Register this system with Red Hat Insights: rhc connect

Example:
# rhc connect --activation-key <key> --organization <org>

The rhc client and Red Hat Insights will enable analytics and additional
management capabilities on your system.
View your connected systems at https://console.redhat.com/insights

You can learn more about how to register your system
using rhc at https://red.ht/registration
[ec2-user@ip-172-31-18-122 ~]$ sudo yum install nfs-utils
Updating Subscription Management repositories.
Unable to read consumer identity

This system is not registered with an entitlement server. You can use "rhc" or "subscription-manager" to register.

Red Hat Enterprise Linux 10 for x86_64 - AppStream from RHUI (RPMS)
Red Hat Enterprise Linux 10 for x86_64 - BaseOS from RHUI (RPMS)
Red Hat Enterprise Linux 10 Client Configuration
Dependencies resolved.
=====
Package           Architecture      Version          Repository        Size
=====
Installing:
nfs-utils         x86_64          1:2.8.2-3.el10   rhel-10-baseos-rhui-rpms  487 k
Installing dependencies:
gssproxy          x86_64          0.9.2-10.el10    rhel-10-baseos-rhui-rpms  118 k
libeuy            x86_64          4.33-14.el10    rhel-10-baseos-rhui-rpms  56 k
libnfsidmap       x86_64          1:2.8.2-3.el10   rhel-10-baseos-rhui-rpms  67 k
=====
7.6 MB/s | 2.9 MB  00:00
51 MB/s | 1.5 MB  00:00
25 kB/s | 1.9 kB  00:00
10:48 IN 29-07-2025 ENG

23°C Mostly cloudy
Amazon EFS - File system config | Connect to instance | EC2 user ebs | +
https://us-east-1.console.aws.amazon.com/efs/home?region=us-east-1#file-systems/fs-0b020f2586ca2627b
Education
Elastic File System
Amazon EFS > File systems > fs-0b020f2586ca2627b
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-0b020f2586ca2627b:/ efs
copied
See our user guide for more information. Learn more
Close
10:49 IN 29-07-2025 ENG

```

```
ec2-user@ip-172-31-18-122:~$ + ~
Installing : libev-4.33-14.el10.x86_64 6/10
Installing : libverto-libuv-0.3.2-10.el10.x86_64 7/10
Running scriptlet: gssproxy-0.9.2-10.el10.x86_64 8/10
Installing : gssproxy-0.9.2-10.el10.x86_64 8/10
Running scriptlet: nfs-utils-1:2.8.2-3.el10.x86_64 8/10
Running scriptlet: nfs-utils-1:2.8.2-3.el10.x86_64 9/10
Installing : nfs-utils-1:2.8.2-3.el10.x86_64 9/10
Running scriptlet: nfs-utils-1:2.8.2-3.el10.x86_64 9/10
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'.

Warning: The unit file, source configuration file or drop-ins of gssproxy.service changed on disk. Run 'systemctl daemon-reload' to reload units.
Warning: The unit file, source configuration file or drop-ins of gssproxy.service changed on disk. Run 'systemctl daemon-reload' to reload units.

Installing : ssqd-nfs-idmap-2.10.2-3.el10_0.2.x86_64 10/10
Running scriptlet: ssqd-nfs-idmap-2.10.2-3.el10_0.2.x86_64 10/10
Installed products updated.

Installed:
gssproxy-0.9.2-10.el10.x86_64   libev-4.33-14.el10.x86_64   libnfsidmap-1:2.8.2-3.el10.x86_64   libtirpc-1.3.5-1.el10.x86_64
libverto-libuv-0.3.2-10.el10.x86_64   nfs-utils-1:2.8.2-3.el10.x86_64   quota-1:4.09-9.el10.noarch
rpcbind-1.2.7-3.el10.x86_64   ssqd-nfs-idmap-2.10.2-3.el10_0.2.x86_64

Complete!
[ec2-user@ip-172-31-18-122 ~]$ sudo mkdir efs
[ec2-user@ip-172-31-18-122 ~]$ cd efs
[ec2-user@ip-172-31-18-122 efs]$ sudo touch redhat-file-1.txt
[ec2-user@ip-172-31-18-122 efs]$ ls
redhat-file-1.txt
[ec2-user@ip-172-31-18-122 efs]$ cd ..
[ec2-user@ip-172-31-18-122 ~]$ 
[ec2-user@ip-172-31-18-122 ~]$ sudo mount -t nfs4 -o nfsvers=4.1,rsize=1048576,wsize=1048576,hard,timeo=600,retrans=2,noresvport fs-0b020f2586ca2627b.ebs.us-east-1.amazonaws.com:/efs
[ec2-user@ip-172-31-18-122 ~]$ cd efs
[ec2-user@ip-172-31-18-122 efs]$ ls
amazon-linux-file-1.txt  amazon-linux-file-2.txt  ubuntu-file-2.txt
[ec2-user@ip-172-31-18-122 efs]$ sudo touch redhat-file-2.txt
[ec2-user@ip-172-31-18-122 efs]$ ls
amazon-linux-file-1.txt  amazon-linux-file-2.txt  redhat-file-2.txt  ubuntu-file-2.txt
[ec2-user@ip-172-31-18-122 efs]$
```

```
23°C Mostly cloudy
ec2-user@ip-172-31-30-130:~$ + ~
[ec2-user@ip-172-31-30-130 efs]$ ls
amazon-linux-file-1.txt
[ec2-user@ip-172-31-30-130 efs]$ client_loop: send disconnect: Connection reset

C:\Users\LENOVO\Downloads>
C:\Users\LENOVO\Downloads>ssh -i "efs-demo.pem" ec2-user@ec2-54-167-63-34.compute-1.amazonaws.com
#_
`\_ #####          Amazon Linux 2023
`\_ \#####|         https://aws.amazon.com/linux/amazon-linux-2023
`\_ \#/ ____>         V_=,_-->
`\_ _/_____|         /_
`\_ _/_/_____|        /_
`\_ _/_/_/_____|       /_
`\_ _/_/_/_/_____|      /_
Last login: Tue Jul 29 04:52:05 2025 from 49.207.221.192
[ec2-user@ip-172-31-30-130 ~]$ cd efs
[ec2-user@ip-172-31-30-130 efs]$ ls
amazon-linux-file-1.txt  ubuntu-file-2.txt
[ec2-user@ip-172-31-30-130 efs]$ sudo touch amazon-linux-file-2.txt
[ec2-user@ip-172-31-30-130 efs]$ ls
amazon-linux-file-1.txt  amazon-linux-file-2.txt  ubuntu-file-2.txt
[ec2-user@ip-172-31-30-130 efs]$ client_loop: send disconnect: Connection reset

C:\Users\LENOVO\Downloads>ssh -i "efs-demo.pem" ec2-user@ec2-54-167-63-34.compute-1.amazonaws.com
#_
`\_ #####          Amazon Linux 2023
`\_ \#####|         https://aws.amazon.com/linux/amazon-linux-2023
`\_ \#/ ____>         V_=,_-->
`\_ _/_____|         /_
`\_ _/_/_____|        /_
`\_ _/_/_/_____|       /_
`\_ _/_/_/_/_____|      /_
Last login: Tue Jul 29 05:14:55 2025 from 49.207.221.192
[ec2-user@ip-172-31-30-130 ~]$ cd efs
[ec2-user@ip-172-31-30-130 efs]$ ls
amazon-linux-file-1.txt  amazon-linux-file-2.txt  redhat-file-2.txt  ubuntu-file-2.txt
[ec2-user@ip-172-31-30-130 efs]$
```

```
ec2-user@ip-172-31-30-130:~ + ~
amazon-linux-file-1.txt
[ec2-user@ip-172-31-30-130 efs]$ client_loop: send disconnect: Connection reset
C:\Users\LENOVO\Downloads>
C:\Users\LENOVO\Downloads>ssh -i "efs-demo.pem" ec2-user@ec2-54-167-63-34.compute-1.amazonaws.com
#
# Amazon Linux 2023
# https://aws.amazon.com/linux/amazon-linux-2023
#
Last login: Tue Jul 29 04:52:05 2025 from 49.207.221.192
[ec2-user@ip-172-31-30-130 ~]$ cd efs
[ec2-user@ip-172-31-30-130 efs]$ ls
amazon-linux-file-1.txt  ubuntu-file-2.txt
[ec2-user@ip-172-31-30-130 efs]$ sudo touch amazon-linux-file-2.txt
[ec2-user@ip-172-31-30-130 efs]$ ls
amazon-linux-file-1.txt  amazon-linux-file-2.txt  ubuntu-file-2.txt
[ec2-user@ip-172-31-30-130 efs]$ client_loop: send disconnect: Connection reset
C:\Users\LENOVO\Downloads>ssh -i "efs-demo.pem" ec2-user@ec2-54-167-63-34.compute-1.amazonaws.com
#
# Amazon Linux 2023
# https://aws.amazon.com/linux/amazon-linux-2023
#
Last login: Tue Jul 29 05:14:55 2025 from 49.207.221.192
[ec2-user@ip-172-31-30-130 ~]$ cd efs
[ec2-user@ip-172-31-30-130 efs]$ ls
amazon-linux-file-1.txt  amazon-linux-file-2.txt  redhat-file-2.txt  ubuntu-file-2.txt
[ec2-user@ip-172-31-30-130 efs]$ sudo touch amazon-linux-file-3.txt
[ec2-user@ip-172-31-30-130 efs]$ |
```

```
23°C Mostly cloudy
ubuntu@ip-172-31-27-24:~/e ~ + ~
-1.amazonaws.com:/ efs
ubuntu@ip-172-31-27-24:~$ cd efs
ubuntu@ip-172-31-27-24:~/efs$ ls
amazon-linux-file-1.txt
ubuntu@ip-172-31-27-24:~/efs$ sudo touch ubuntu-file-2.txt
ubuntu@ip-172-31-27-24:~/efs$ ls
amazon-linux-file-1.txt  ubuntu-file-2.txt
ubuntu@ip-172-31-27-24:~/efs$ ls
amazon-linux-file-1.txt  amazon-linux-file-2.txt  ubuntu-file-2.txt
ubuntu@ip-172-31-27-24:~/efs$ client_loop: send disconnect: Connection reset
C:\Users\LENOVO\Downloads>ssh -i "efs-demo-1.pem" ubuntu@ec2-5d-91-172-194.compute-1.amazonaws.com
Welcome to Ubuntu 24.04.2 LTS (GNU/Linux 6.8.0-1029-aws x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/pro

System information as of Tue Jul 29 05:26:41 UTC 2025

System load: 0.0          Processes:           114
Usage of /: 29.0% of 6.71GB  Users logged in:   1
Memory usage: 24%          IPv4 address for enX0: 172.31.27.24
Swap usage:  0%           

Expanded Security Maintenance for Applications is not enabled.

98 updates can be applied immediately.
61 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 Jul 29 05:11:28 2025 from 49.207.221.192
ubuntu@ip-172-31-27-24:~$ cd efs
ubuntu@ip-172-31-27-24:~/efs$ ls
amazon-linux-file-1.txt  amazon-linux-file-2.txt  amazon-linux-file-3.txt  redhat-file-2.txt  ubuntu-file-2.txt
ubuntu@ip-172-31-27-24:~/efs$ |
```

```
ec2-user@ip-172-31-18-122:~$ + - x
Installed:
  gssproxy-0.9.2-10.el10.x86_64      libev-4.33-14.el10.x86_64      libnfsidmap-1:2.8.2-3.el10.x86_64      libtirpc-1.3.5-1.el10.x86_64
  libverto-libuv-0.3.2-10.el10.x86_64  nfs-utils-1:2.8.2-3.el10.x86_64      quota-1:4.09-9.el10.x86_64      quota-nls-1:4.09-9.el10.noarch
  rpcbind-1.2.7-3.el10.x86_64

Complete!
[ec2-user@ip-172-31-18-122 ~]$ sudo mkdir efs
[ec2-user@ip-172-31-18-122 ~]$ cd efs
[ec2-user@ip-172-31-18-122 efs]$ sudo touch redhat-file-1.txt
[ec2-user@ip-172-31-18-122 efs]$ ls
redhat-file-1.txt
[ec2-user@ip-172-31-18-122 efs]$ cd ..
[ec2-user@ip-172-31-18-122 ~]$ 
[ec2-user@ip-172-31-18-122 ~]$ sudo mount -t nfs4 -o nfsvers=4.1,rsize=1048576,wsize=1048576,hard,timeo=600,retrans=2,noresvport fs-0b020f258eca2627b.efs.us-east-1.amazonaws.com:/efs
[ec2-user@ip-172-31-18-122 ~]$ cd efs
[ec2-user@ip-172-31-18-122 efs]$ ls
amazon-linux-file-1.txt  amazon-linux-file-2.txt  ubuntu-file-2.txt
[ec2-user@ip-172-31-18-122 efs]$ sudo touch redhat-file-2.txt
[ec2-user@ip-172-31-18-122 efs]$ ls
amazon-linux-file-1.txt  amazon-linux-file-2.txt  redhat-file-2.txt  ubuntu-file-2.txt
[ec2-user@ip-172-31-18-122 efs]$ client_loop: send disconnect: Connection reset
C:\Users\LENOVO\Downloads>ssh -i "efs-demo-2.pem" ec2-user@ec2-18-207-151-114.compute-1.amazonaws.com
Registered this system with Red Hat Insights: rhc connect

Example:
# rhc connect --activation-key <key> --organization <org>

The rhc client and Red Hat Insights will enable analytics and additional management capabilities on your system.
View your connected systems at https://console.redhat.com/insights

You can learn more about how to register your system
using rhc at https://red.ht/registration
Last login: Tue Jul 29 05:17:21 2025 from 49.207.221.192
[ec2-user@ip-172-31-18-122 ~]$ cd efs
[ec2-user@ip-172-31-18-122 efs]$ ls
amazon-linux-file-1.txt  amazon-linux-file-2.txt  amazon-linux-file-3.txt  redhat-file-2.txt  ubuntu-file-2.txt
[ec2-user@ip-172-31-18-122 efs]$ |
```

