

Mounting S3 Bucket in AWS EC2 console

Steps: https://cloudkul-com.cdn.ampproject.org/v/s/cloudkul.com/blog/mounting-s3-bucket-linux-ec2-instance/amp/?amp_js_v=a6&_gsa=1&usqp=mq331AQKKAFQArABIIACAw%3D%3D#aoh=16277389121071&ref=error=https%3A%2F%2Fwww.google.com&_tf=From%1%24s&share=https%3A%2F%2Fcloudkul.com%2Fblog%2Fmounting-s3-bucket-linux-ec2-instance%2F

Step-1:- If you are using a new centos or ubuntu instance. Update the system

yum update all

```
[ec2-user@ip-172-31-33-113 ~]$ sudo yum update
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
Resolving Dependencies
--> Running transaction check
--> Package curl.x86_64 0:7.61.1-12.amzn2.0.4 will be updated
--> Package curl.x86_64 0:7.76.1-4.amzn2.0.1 will be an update
--> Package ec2-utils.noarch 0:1.2-44.amzn2 will be updated
--> Package ec2-utils.noarch 0:1.2-45.amzn2 will be an update
--> Package grub2.x86_64 1:2.06-2.amzn2.0.1 will be obsoleted
```

Step-2:- Install the dependencies.

sudo yum install automake fuse fuse-devel gcc-c++ git libcurl-devel libxml2-devel make openssl-devel

```
[ec2-user@ip-172-31-33-113 ~]$ sudo yum install automake fuse fuse-devel gcc-c++ git libcurl-devel libxml2-devel make openssl-devel
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
Package 1:make-3.82-24.amzn2.x86_64 already installed and latest version
Resolving Dependencies
--> Running transaction check
--> Package automake.noarch 0:1.13.4-3.1.amzn2 will be installed
--> Processing Dependency: autoconf >= 2.65 for package: automake-1.13.4-3.1.amzn2.noarch
```

Step-3:- Clone s3fs source code from git.

git clone <https://github.com/s3fs-fuse/s3fs-fuse.git>

```
[ec2-user@ip-172-31-33-113 ~]$ git clone https://github.com/s3fs-fuse/s3fs-fuse.git
Cloning into 's3fs-fuse'...
remote: Enumerating objects: 7739, done.
remote: Counting objects: 100% (526/526), done.
remote: Compressing objects: 100% (242/242), done.
remote: Total 7739 (delta 368), reused 388 (delta 280), pack-reused 7213
Receiving objects: 100% (7739/7739), 4.94 MiB | 8.67 MiB/s, done.
Resolving deltas: 100% (5438/5438), done.
[ec2-user@ip-172-31-33-113 ~]$ cd s3fs-fuse
[ec2-user@ip-172-31-33-113 s3fs-fuse]$ ./autogen.sh
```

Step-4:- Now change to source code directory, and compile and install the code with the following commands:

1	cd s3fs-fuse
2	./autogen.sh
3	./configure --prefix=/usr --with-openssl
4	make
5	sudo make install

Step-5:- Use below command to check where s3fs command is placed in O.S. It will also tell you the installation is ok.

which s3fs

Step-6:- Getting the access key and secret key.

Step-7 :- Create a new file in /etc with the name passwd-s3fs and Paste the access key and secret key in the below format .

touch /etc/passwd-s3fs

vim /etc/passwd-s3fs

Your_accesskey:Your_secretkey

Step-8:- change the permission of file

sudo chmod 640 /etc/passwd-s3fs

Step-9:- Now create a directory or provide the path of an existing directory and mount S3bucket in it.

mkdir /mys3bucket

sudo s3fs migration-framework-bucket mys3bucket -o use_cache=/tmp -o allow_other -o uid=1001 -o mp_umask=002 -o multireq_max=5 -o use_path_request_style -o url=https://s3-ap-south-1.amazonaws.com

```
[ec2-user@ip-172-31-33-113 ~]$ sudo s3fs migration-framework-bucket mys3bucket -o use_cache=/tmp -o allow_other -o uid=1001 -o mp_umask=002 -o multireq_max=5 -o use_path_request_style -o url=https://s3-ap-south-1.amazonaws.com
[ec2-user@ip-172-31-33-113 ~]$
```

Trying to list contents of S3 bucket and make copy of the files inside.

```

ec2-user@ip-172-31-33-113 ~]$ ls -ltr
total 9
-rwxrwxr-x 1 1001 root 0 Jan 1 1970 mys3bucket
-rwxrwxr-x 8 ec2-user ec2-user 4096 Aug 14 10:14 s3fs-fuse
-rw-r----- 1 root root 62 Aug 14 10:26 passwd-s3fs
ec2-user@ip-172-31-33-113 ~]$ cd mys3bucket/
ec2-user@ip-172-31-33-113 mys3bucket]$ ls -ltr
total 1
-rw-r----- 1 1001 root 320 Aug 14 10:04 input.csv
ec2-user@ip-172-31-33-113 mys3bucket]$ cp input.csv input2.csv
cp: cannot open 'input.csv' for reading: Permission denied
ec2-user@ip-172-31-33-113 mys3bucket]$ sudo cp input.csv input2.csv
ec2-user@ip-172-31-33-113 mys3bucket]$ ls -ltr
total 1
-rw-r----- 1 1001 root 320 Aug 14 10:04 input.csv
-rw-r----- 1 1001 root 320 Aug 14 10:27 input2.csv
ec2-user@ip-172-31-33-113 mys3bucket]$ 

```

migration-framework-bucket [Info](#)

Objects

Properties

Permissions

Metrics

Management

Access Points

Objects (2)

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 Inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)



Copy S3 URI

Copy URL

Download

Open

Delete

Actions ▼

Create folder

Upload

Find objects by prefix

< 1 > ⚙

<input type="checkbox"/>	Name ▲	Type ▼	Last modified ▼	Size ▼	Storage class ▼
<input type="checkbox"/>	input.csv	csv	August 14, 2021, 15:34:06 (UTC+05:30)	320.0 B	Standard
<input type="checkbox"/>	input2.csv	csv	August 14, 2021, 15:57:55 (UTC+05:30)	320.0 B	Standard