

## Create instance with Amazon Linux Machine.

### Step 1- Update Your System

`Sudo yum update`

### Step 2- Install the s3fs on linux

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

### Step 3- Download s3fs code from github

```
git clone https://github.com/s3fs-fuse/s3fs-fuse.git
```

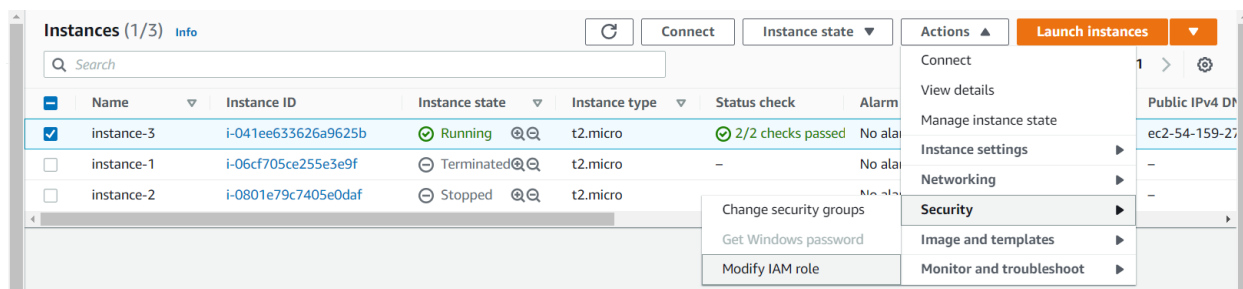
### Step 4- Compile and install the code

```
cd s3fs-fuse  
./autogen.sh  
./configure --prefix=/usr --with-openssl  
make  
sudo make install
```

### Step 5- check if the s3fs is installed in your system or not which s3fs

### Step 6- Create an IAM policy S3 Full access and attach to the IAM role


And attach role to the instance.



EC2 > Instances > i-041ee633626a9625b > Modify IAM role

### Modify IAM role [Info](#)

Attach an IAM role to your instance.

Instance ID  
 i-041ee633626a9625b (instance-3)



**IAM role**  
Select an IAM role to attach to your instance or create a new role if you haven't created any. The role you select replaces any roles that are currently attached to your instance.

ec2-to-s3 ▲

No IAM Role  
Choose this option to detach an IAM role

ec2-to-s3  
arn:aws:iam::829912339674:instance-profile/ec2-to-s3

jarvispolicy  
arn:aws:iam::829912339674:instance-profile/jarvispolicy

 [Create new IAM role](#) 


[Cancel](#) [Save](#)

**Step 6-** Now create a mount point  
`sudo mkdir /somkuwarbucket`

**Step 7-** create bucket (Note region)

[Amazon S3](#) > Buckets

▼ Account snapshot

Last updated: Apr 13, 2022 by Storage Lens. Metrics are generated every 24 hours. [Learn more](#) 

Total storage

1.1 KB

Object count

1



Avg. object size


1.1 KB


You can enable advanced metrics in the ["default-account-dashboard"](#) configuration.


[View Storage Lens dashboard](#)

Buckets (1) [Info](#)

  Copy ARN [Empty](#) [Delete](#) [Create bucket](#)

Buckets are containers for data stored in S3. [Learn more](#) 

[<](#) [1](#) [>](#) 

	Name ▲	AWS Region ▼	Access ▼	Creation date ▼
	jarvisbuck	US East (N. Virginia) us-east-1	Bucket and objects not public	April 14, 2022, 13:42:53 (UTC+05:30)

Step 8 - Add the below entry in fstab

```
#
UUID=1b8eeba3-a3a6-4c6b-820f-2059abebe3f3 / xfs defaults,noatime
1 1
s3fs#jarvisbuck /somkuwarbucket fuse _netdev,allow_other,uid=1002,gid=1002,iam_role=ec2-to-s3,use_cache=/tmp,url=https://s3.us-east-1.amazonaws.com 0 0
~
~
```

Sudo mount -a

Step 9 – check mounted or not.

```
[ec2-user@ip-172-31-24-67 ~]$ df -hT
Filesystem      Type      Size  Used Avail Use% Mounted on
devtmpfs        devtmpfs  474M   0    474M   0% /dev
tmpfs           tmpfs     483M   0    483M   0% /dev/shm
tmpfs           tmpfs     483M 416K   483M   1% /run
tmpfs           tmpfs     483M   0    483M   0% /sys/fs/cgroup
/dev/xvda1      xfs       8.0G  1.8G   6.3G  23% /
tmpfs           tmpfs     97M    0    97M   0% /run/user/1000
s3fs            fuse.s3fs 16E     0    16E   0% /somkuwarbucket
[ec2-user@ip-172-31-24-67 ~]$
```