Mounting s3 bucket to an ubuntu instance

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

apt-get update

**Step-2:-** Install the dependencies.

sudo apt-get install automake autotools-dev fuse g++ git libcurl4-gnutls-dev libfuse-dev libssl-dev libxml2-dev make pkg-config

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

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

**Step-4:-** Now change to source code  directory, and compile and install the code

cd s3fs-fuse

./autogen.sh

./configure

make

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 |

**Bucket name without dot(.):**

mkdir /mys3bucket

s3fs your\_bucketname -o use\_cache=/tmp -o allow\_other -o uid=1001 -o mp\_umask=002 -o multireq\_max=5 /mys3bucket

You can make an entry in /etc/rc.local to automatically remount after reboot.  Find the s3fs binary file by “which” command and make the entry before the “exit 0” line as below.

|  |  |
| --- | --- |
|  | which s3fs  /usr/local/bin/s3fs |
|  | nano /etc/rc.local |

/usr/local/bin/s3fs your\_bucketname -o use\_cache=/tmp -o allow\_other -o uid=1001 -o mp\_umask=002 -o multireq\_max=5 /mys3bucket

**Step-10:-** Check mounted s3 bucket. Output will be similar as shown below but Used size may differ.

|  |  |
| --- | --- |
|  | df -Th |

“or”

|  |  |
| --- | --- |
|  | df -Th /mys3bucket  **OutPut** |

Filesystem Type Size Used Avail Use% Mounted on

s3fs  fuse.s3fs 256T  0   256T   0%  /mys3bucket

|  |
| --- |
|  |