1. ***We will see how to mount the S3 bucket on the Linux instance file system.***
2. ***The s3fs tool was created to easily copy files or objects to our local directory.***
3. ***The s3fs tool provides assistance as it simplifies our tasks on our server and includes that you can mount it in the folder directory.***
4. ***It is easier to export files and objects to the s3 bucket because it automatically sync your file to the s3 bucket when it is mounted in that file directory.***

***Now install package***

*apt-get update*

*apt-get install awscli -y*

***Install all dependency packages for fuse and s3cmd***

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

***Download and Compile Your S3fs Source Code***

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

cd s3fs-fuse

./autogen.sh

./configure

make

make install

which s3fs

***Now Create Security Credentials***

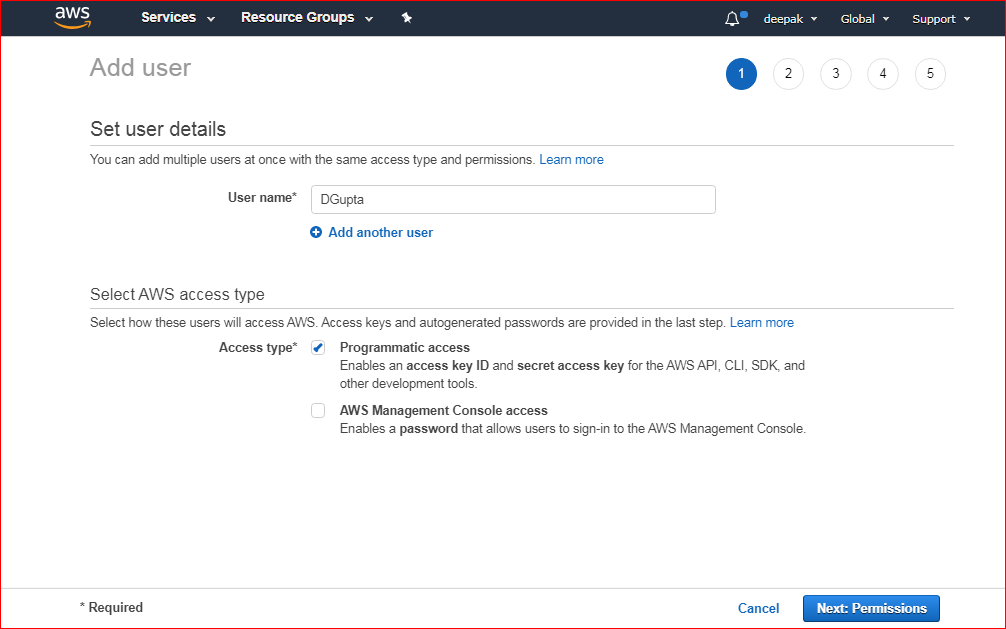
1. ***Make a file for storing your credentials to connect on the s3 bucket and for us to secure the transfer of our object to the S3 bucket.***
2. ***You will need AWS Access key and Secret key with appropriate permissions in order to access your s3 bucket from your EC2 instance.***

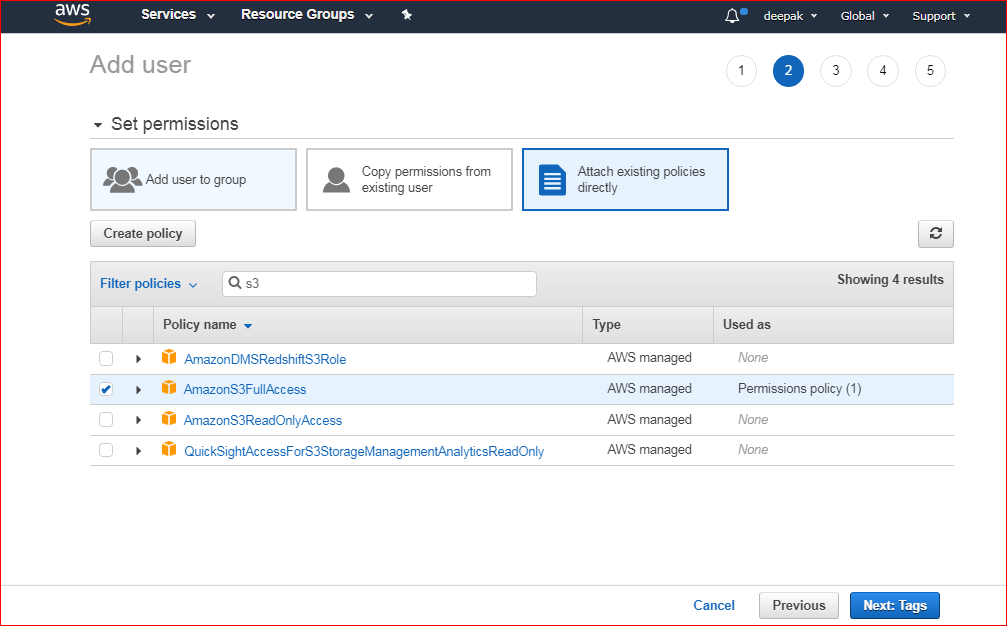
***Create an IAM user with S3 full access or use root credentials of your Account.***

Go to AWS Menu **->** Your AWS Account Name -> My Security Credentials.

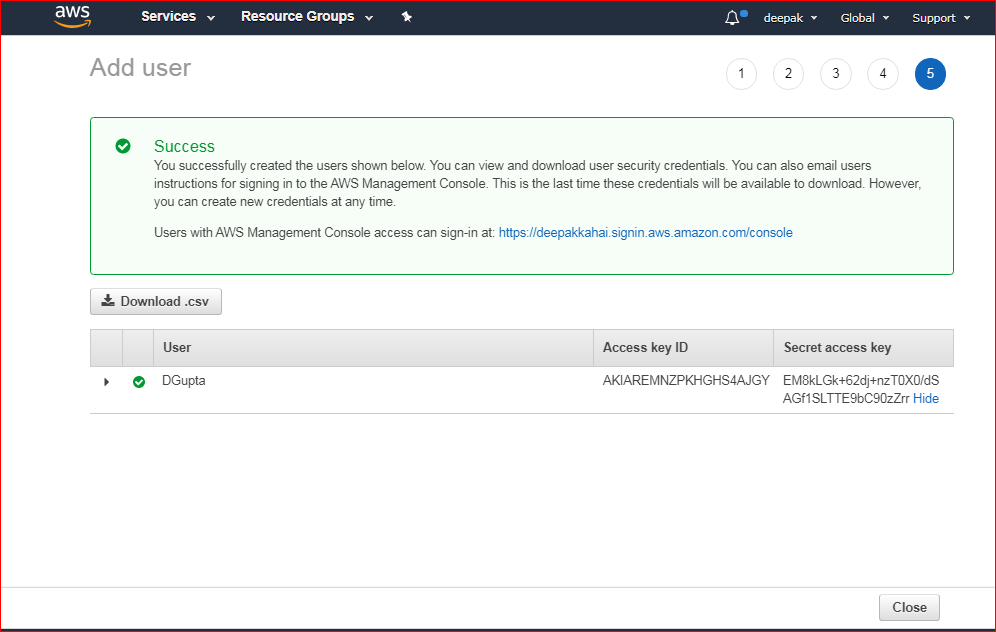
Here your IAM console will appear. You have to go to Users -> Your Account name and under permissions Tab, check whether you have sufficient access on S3 bucket.

If not, you can manually assign an existing “S3 Full-Access” policy or create a new policy with sufficient permissions.





*After that you will get access key and secrete key like below:*



***Now Create a file in /home/ubuntu/.passwd-s3fs with the name .passwd-s3fs and Paste the access key and secret key in the below format and also inside of /etc/passwd-s3fs.***

***put you your access key and secret key like below***

*AKIAREMNZPKHGHS4AJGY:EM8kLGk+62dj+nzT0X0/dSAGf1SLTTE9bC90zZrr*

***Change the permission of file***

*chmod 600 /home/ubuntu/.passwd-s3fs*

***Now Create a Mount Point for temporary***

***Create a folder***

*mkdir -p /mnt/s3mount*

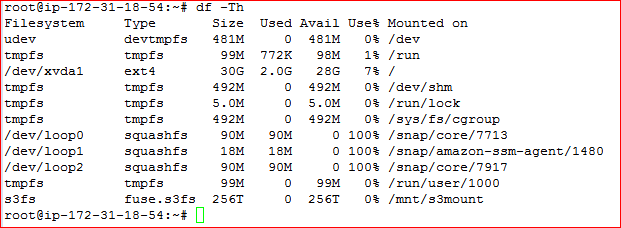
***For mounting Run the below command.***

*s3fs deepaknewbucket /mnt/s3mount -o passwd\_file=/home/ubuntu/.passwd-s3fs*

*(deepaknewbucket= bucket name)*

***Check file system it mount or not mount.***

*df -Th*



***For permanent mounting***

***Firstly install***

*apt-get install s3fs*

***Open the file /etc/fstab***

*vi /etc/fstab*

*s3fs#deepaknewbucket /mnt/s3mount fuse \_netdev,allow\_other 0 0*

*save file and mount using below command*

*mount -a*

***Now can verify by creating File inside of S3 mount will check in s3 bucket.***

*cd /mnt/s3mount*

*touch deep1*

*touch deep2*