**S3BUCKET CONFIGURE**

**Install Required Packages**

**SSH to your EC2 instance and install the required dependencies in your instance,**

sudo apt-get update && apt-get install awscli -y

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

sudo 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

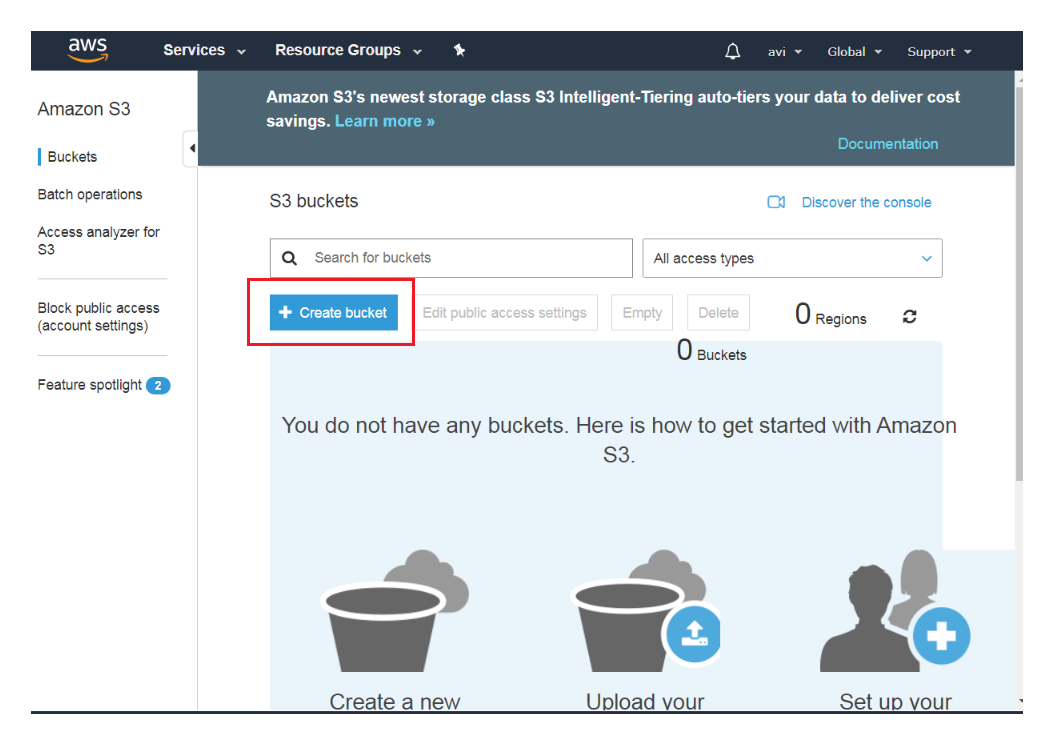
**Create Security Credentials**

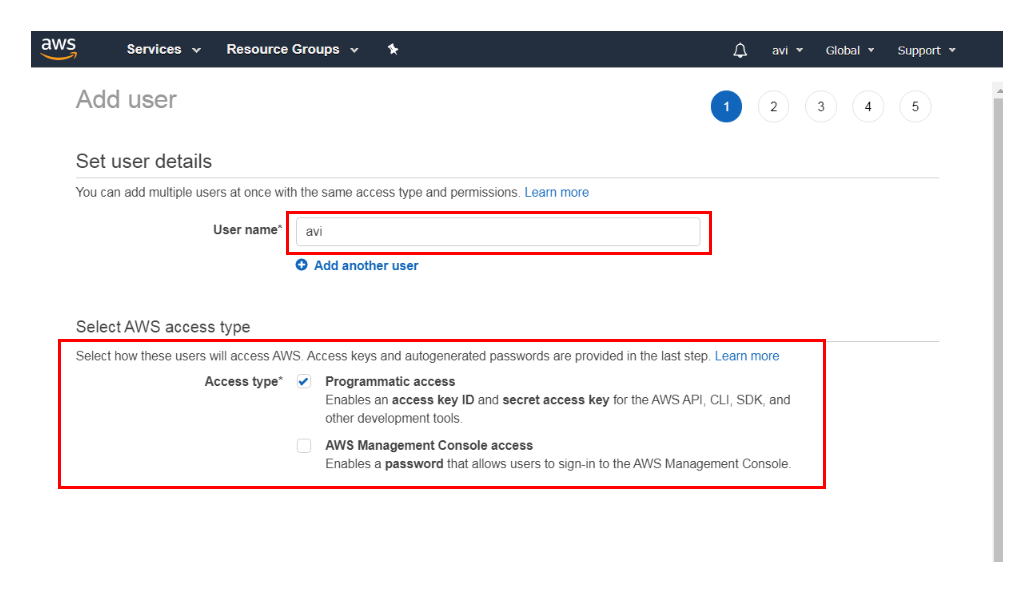
**Make a file for storing your credentials to connect on the s3 bucket and for us to secure the transfer of our object to the S3 bucket.**

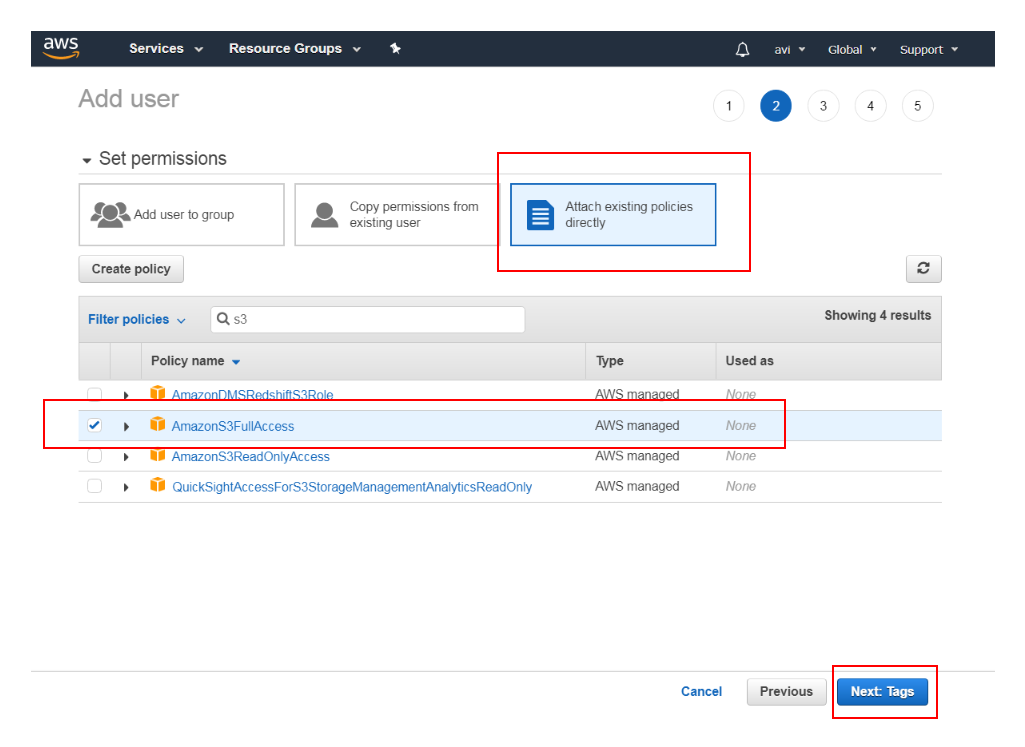
**You will need AWS Access key and Secret key with appropriate permissions in order to access your s3 bucket from your EC2 instance.**

**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.

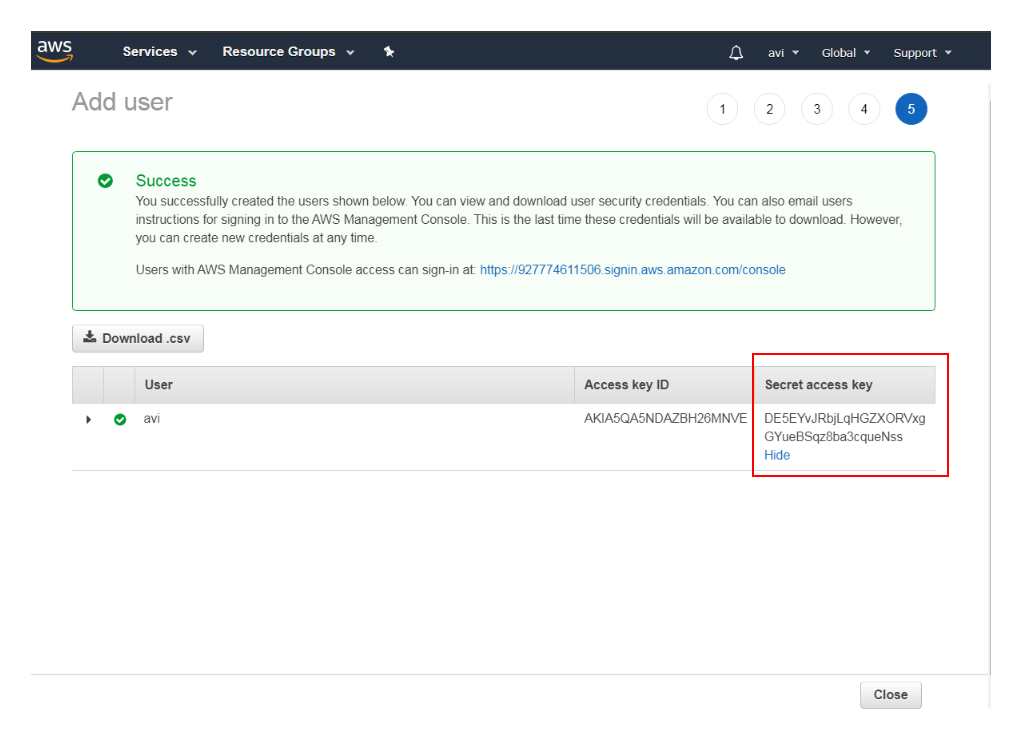






Note: give s3 full access permissions.

Afterwards you will get access key and secret key....!!!!



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

vi /etc/.passwd-s3fs

**put you your access key and secret key....**

**AWSAccessKeyId=AKIA5QA5NDAZAPLAISFD**

**AWSSecretKey=HJw17c7m64eSIE/LWGqrZ7s0r3+CVY9Z2/KxtfDO**

**change the permission of file**

chmod 600 /etc/.passwd-s3fs

**Create a Mount Point**

**Create a folder directory where we can mount our s3fs bucket.**

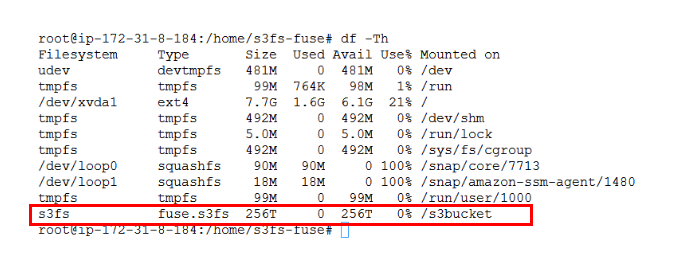
mkdir -p /s3bucket

**Run the command to mount s3 bucket.....**

s3fs s3bct /s3bucket -o passwd\_file=/etc/.passwd-s3fs

**Then check your file system to see if it mounts or not.......**

df -Th



**Setup Auto-mount on Boot**

**.**

**The first option this can be done by entering ins /etc/rc.local file.....!!!!!**

which s3fs

/usr/local/bin/s3fs

vi /etc/rc.local

/usr/local/bin/s3fs s3bct -o use\_cache=/tmp -o allow\_other -o uid=1001 -o mp\_umask=002 -o multireq\_max=5 /s3bucket

**it will always mounted after reboot.**

**Test Upload Files To Our S3 Bucket.**

cd /s3bucket

touch data.txt