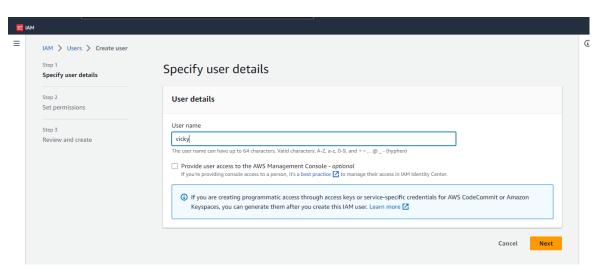
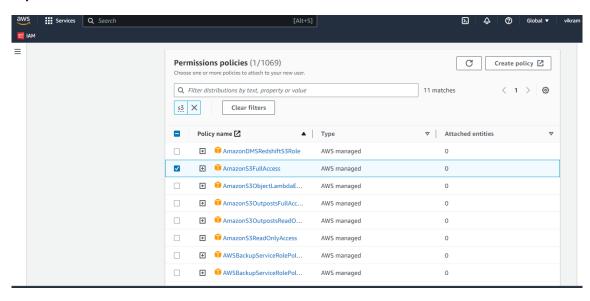
HOW TO UPLOAD A FILE IN S3 BUCKET USING AWS CLI

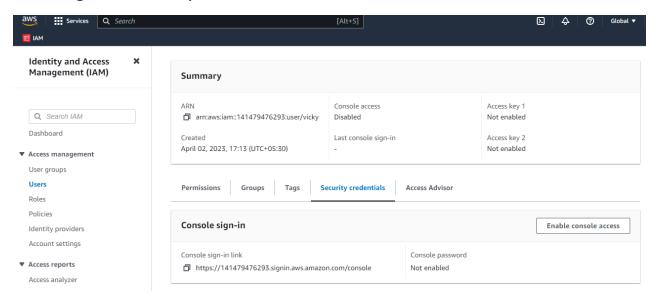
Create a new IAM User.



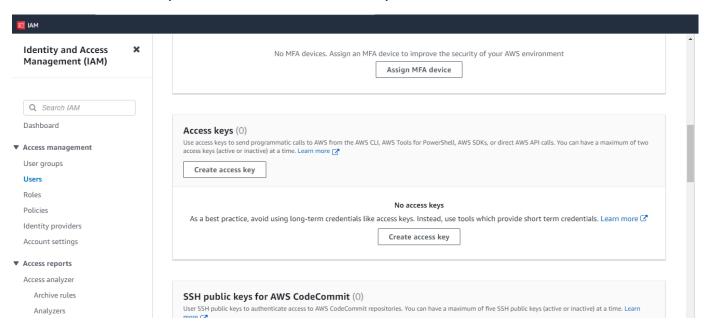
- 2. Enter the name and click on "Next"
- 3. Here, we need to select "Attach Policies directly" and click on "Create Policy".



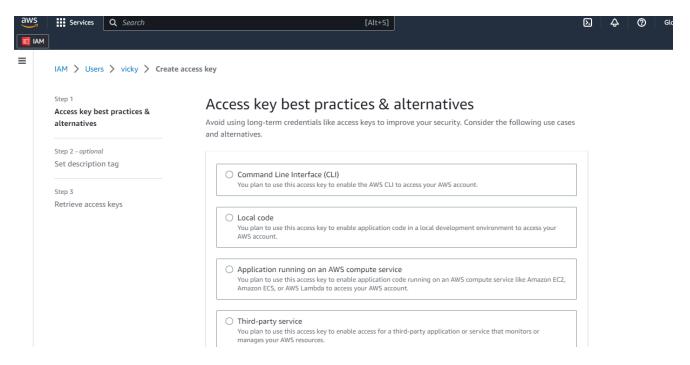
4. Now, go to "Security Credentials".



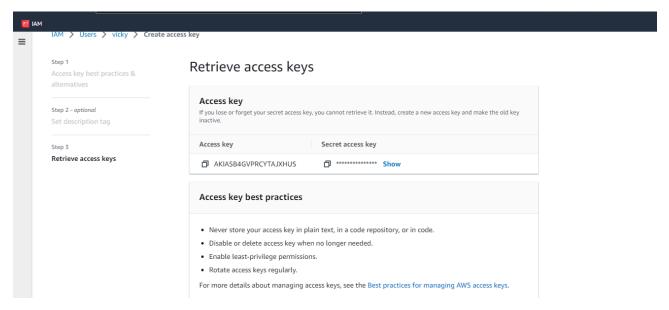
5.In the "Access Keys" and click on "Create Keys"



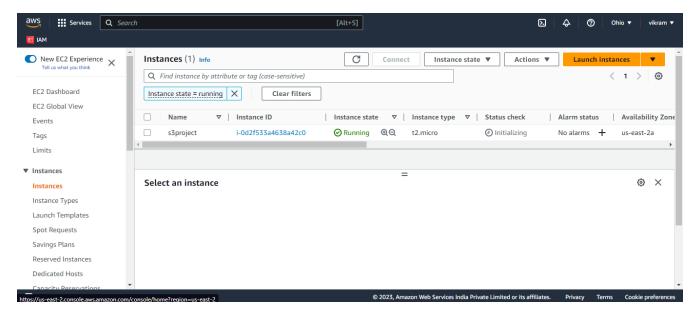
6. Here select "Command Line Interface CLI".



7. You will get the Access Key and Secret.



8.Create a new "t2.micro" instance.



9.SSH to the server.

10.Install AWS CLI.

```
ubuntu@ip-172-31-20-41:~$ sudo apt-get install awscli -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
   bzip2 docutils-common fontconfig fontconfig-config fonts-droid-fallback
   fonts-noto-mono fonts-urw-base35 ghostscript groff gsfonts
   hicolor-icon-theme imagemagick imagemagick-6-common imagemagick-6.q16
   libaom3 libavahi-client3 libavahi-common-data libavahi-common3 libcairo2
   libcups2 libdatrie1 libdav1d5 libde265-0 libdeflate0 libdjvulibre-text
   libdjvulibre21 libfftw3-double3 libfontconfig1 libgomp1 libgraphite2-3
   libgs9 libgs9-common libharfbuzz0b libheif1 libice6 libidn12 libijs-0.35
   libilmbase25 libimagequant0 libjbig0 libjbig2dec0 libjpeg-turbo8
   libipeg8 libiyr-tools libiyr0 liblcms2-2 liblar-1-0 libltd17
```

11. After installation of AWS CLI, we will now Install the s3fs.

```
ubuntu@ip-172-31-20-41:-$ sudo apt-get install s3fs -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Reading state information... Done
The following additional packages will be installed:
    libfuse2
The following NEW packages will be installed:
    libfuse2 s3fs
0 upgraded, 2 newly installed, 0 to remove and 65 not upgraded.
Need to get 387 kB of archives.
After this operation, 1123 kB of additional disk space will be used.
Get:1 http://us-west-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 libfuse2 amd64 2.9.9-5ubuntu3 [90.3 kB]
Get:2 http://us-west-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 s3fs amd64 1.90-1 [297 kB]
Fetched 387 kB in 0s (829 kB/s)
Selecting previously unselected package libfuse2:amd64.
(Reading database ... 75123 files and directories currently installed.)
Preparing to unpack .../libfuse2 2.9.9-Subuntu3 amd64 deb ...
```

12. Create a folder named "bucket" to the location "/home/ubuntu"

```
ubuntu@ip-172-31-20-41:~$ mkdir /home/ubuntu/bucket ubuntu@ip-172-31-20-41:~$ |
```

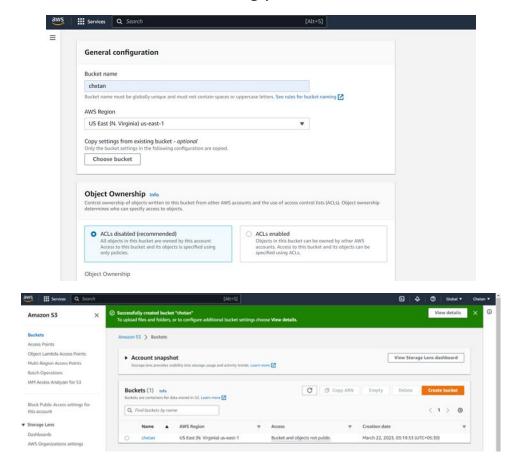
13. Now, we will add 2-3 files in "/home/ubuntu/bucket".

```
ubuntu@ip-172-31-20-41:~$ cd $HOME/bucket
ubuntu@ip-172-31-20-41:~/bucket$ touch test1.txt test2.txt test3.txt
ubuntu@ip-172-31-20-41:~/bucket$ ls -l
total 0
-rw-rw-r-- 1 ubuntu ubuntu 0 Mar 22 14:20 test1.txt
-rw-rw-r-- 1 ubuntu ubuntu 0 Mar 22 14:20 test2.txt
-rw-rw-r-- 1 ubuntu ubuntu 0 Mar 22 14:20 test3.txt
ubuntu@ip-172-31-20-41:~/bucket$ |
```

14. Now, go to the AWS console and create a bucket.



15. Give the bucket a name accordingly.



16. Jump back to the VM and configure the AWS CLI, by running the command

"aws configure"

Provide the username and password that we created in Step 7.

```
ubuntu@ip-172-31-20-41:~/bucket$ aws configure
AWS Access Key ID [None]: AKIA6LXFLOSIJTQ5XKMU
AWS Secret Access Key [None]: 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
Default region name [None]:
Default output format [None]:
ubuntu@ip-172-31-20-41:~/bucket$
```

17. Now, run the command

"aws s3 sync <location_of_files> <s3://bucket_name>"

```
ubuntu@ip-172-31-20-41:~/bucket$ aws s3 sync /home/ubuntu/bucket s3://chxtan upload: ./test1.txt to s3://chxtan/test1.txt upload: ./test3.txt to s3://chxtan/test3.txt upload: ./test2.txt to s3://chxtan/test2.txt ubuntu@ip-172-31-20-41:~/bucket$ ubuntu@ip-172-31-20-41:~/bucket$
```

- 18. All the files present inside the given location in AWS EC2, will be uploaded to the S3 bucket.
- 19. Now, refresh the objects inside the bucket, now you can see all the files that were in the EC2 will be in the S3 bucket.

