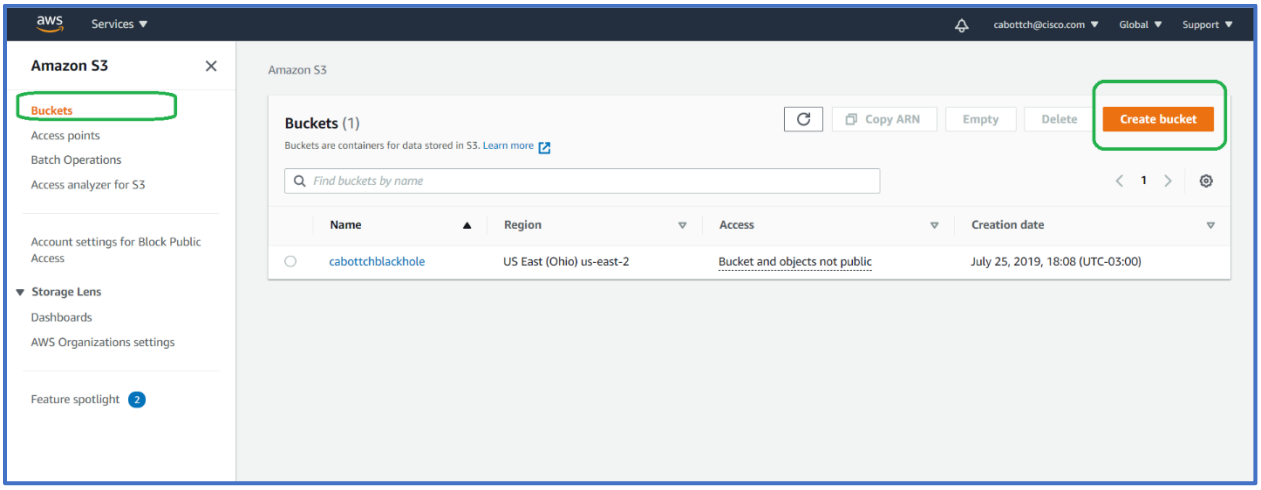
blackhole – Pre-requisites

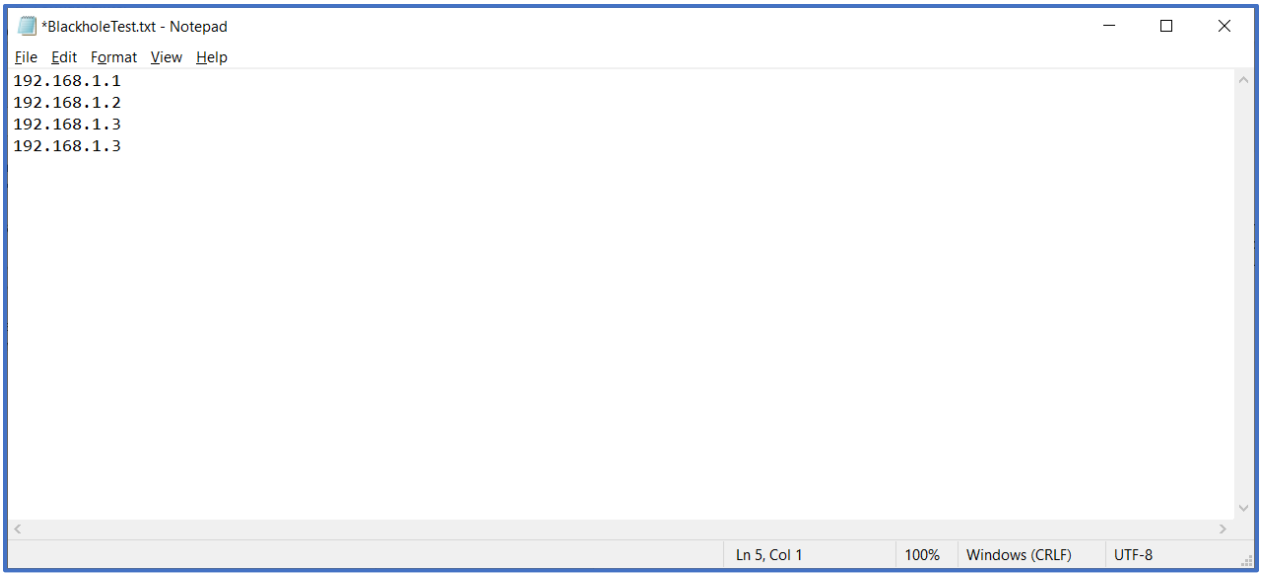
Create an S3 bucket and upload a plain text with some IP address:

Login to AWS console, find S3 service and create a new Bucket:

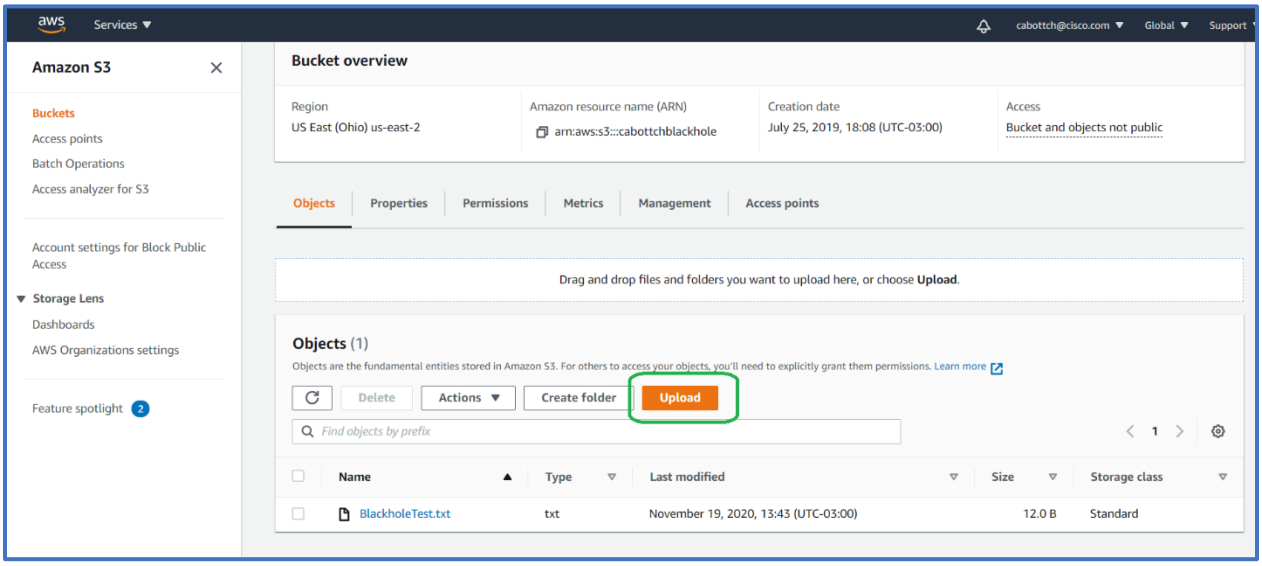


Create a local .txt file (i.e.: BlackholeTest.txt):

IMPORTANT: If you use a different name for the file, you must update python code also!!!



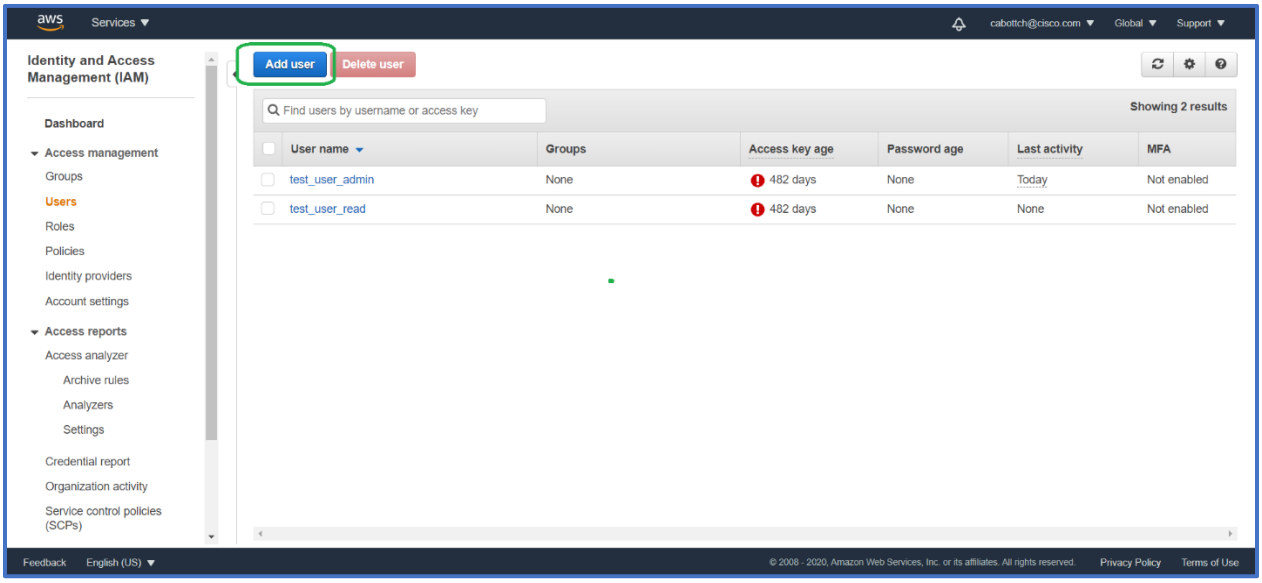
Upload file to S3 bucket:



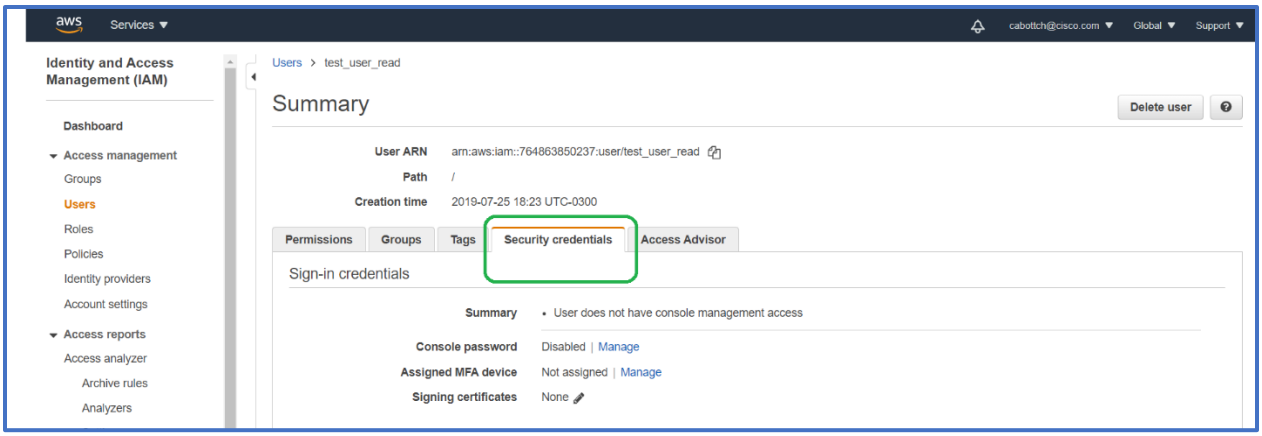
Create an aws user and enable programatic access to S3 bucket:

NOTE:
This is a quick summary of steps needed. For a detailed tutorial related to IAM, please go to:
https://docs.aws.amazon.com/iam/index.html

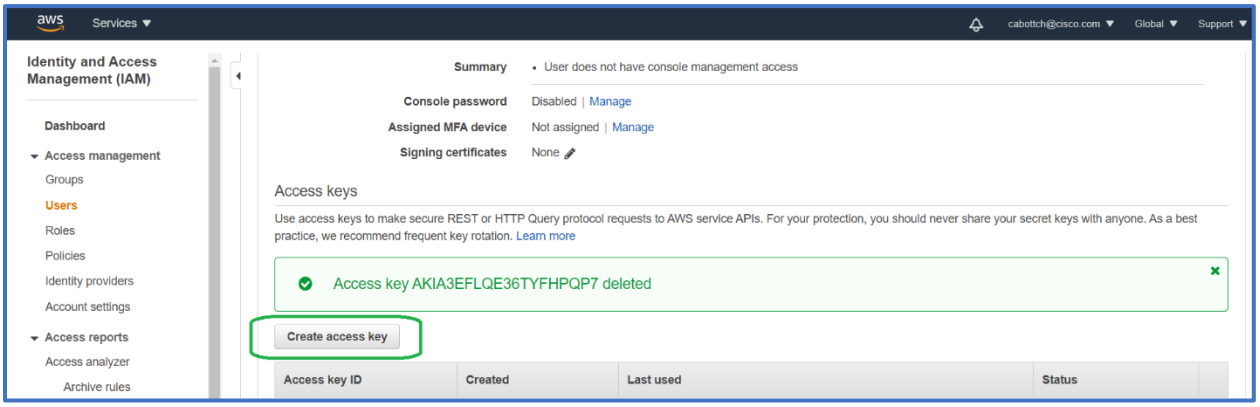
In AWS console go to : IAM → Access Management → Users and create a new user with needed access rights:



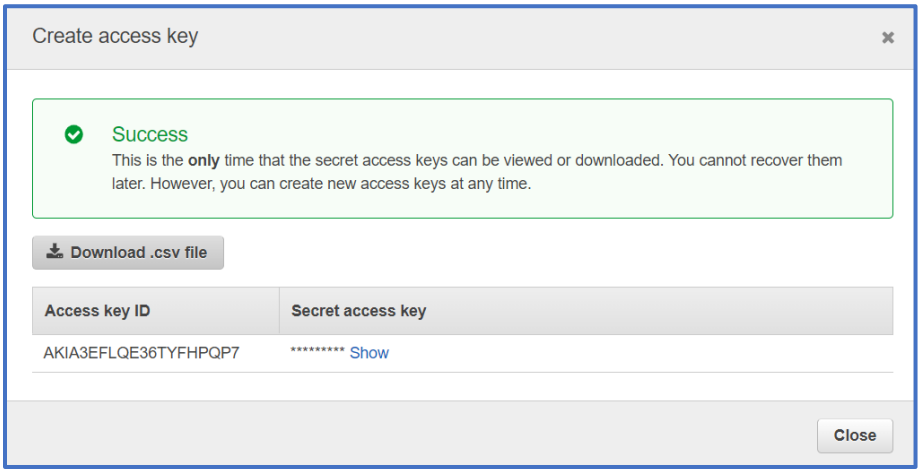
Enter to user settings and create a new security credential:



Create the new access key:



Log the new acces key ID nad its associate Secret Access Key



IMPORTANT: This is the only time you will see the Secret Access Key. Please log it!

Install and configure aws command line in Linux:

NOTE:
You need access credential logged in previous step:

```
cisco@NSO-01:~$ sudo apt install awscli
...
...
cisco@NSO-01:~$ aws configure
AWS Access Key ID [****************5U3B]:
AWS Secret Access Key [****************bPJ9]:
Default region name [us-east-2]:
Default output format [None]:
```

Test access to S3 bucket (download the file to your local directory):

```
cisco@NSO-01:~$ aws s3 cp s3://cabottchblackhole/BlackholeTest.txt ./
download: s3://cabottchblackhole/BlackholeTest.txt to ./BlackholeTest.txt
cisco@NSO-01:~$
cisco@NSO-01:~$ ls -l
total 40692
-rw-rw-r--  1 cisco cisco       12 Nov 19 09:43 BlackholeTest.txt
...
...

cisco@NSO-01:~$
```

Install Boto3 library:

```
cisco@NSO-01:~$ pip install boto3
...
```

NOTE:
Use pip or pip3 depending on your python version.