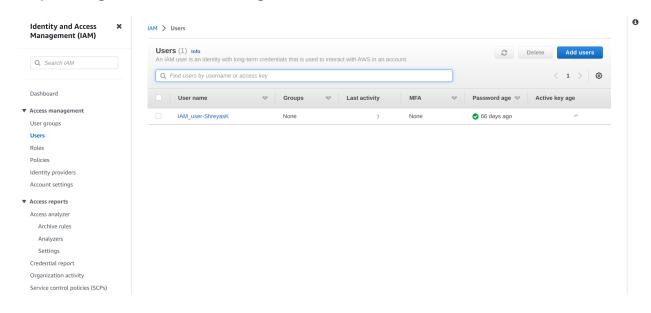
#### **Task**

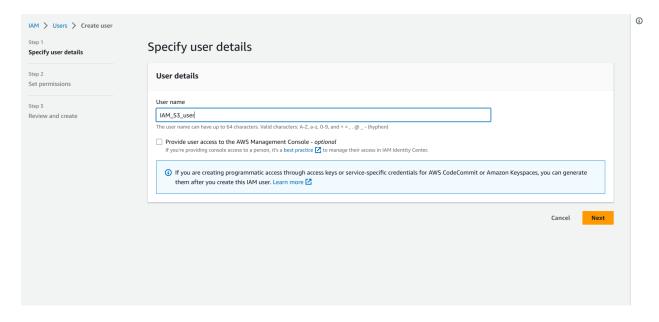
### Day 1 30th June 2023

1. Create an IAM user and assign S3 bucket permissions.

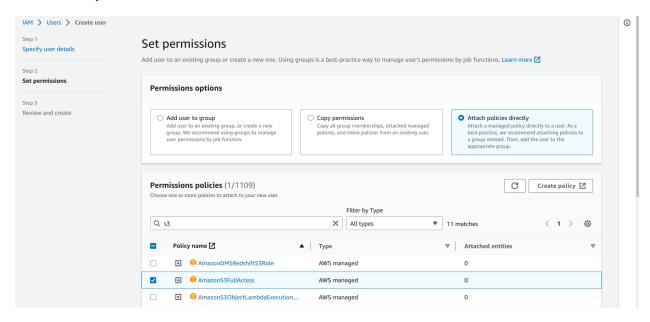
Step 1 - Login to the AWS management console and browse to the IAM console.



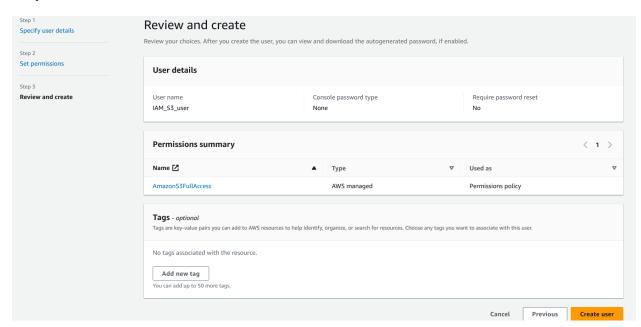
Step 2 - Click on add user button to create a new IAM user. Enter the user name for the user.



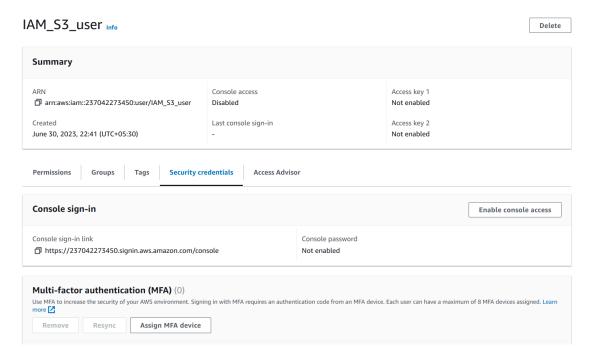
# Step 3 - Click next and select permissions for the user. Here we need to give full S3 access permission to the IAM user.



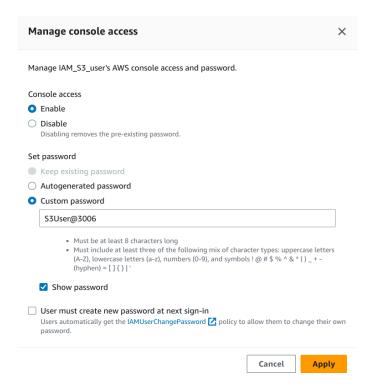
#### Step 4 - Next review the IAM user details and click on create user button.



## Step 5 - Click on the IAM user just created in the IAM users console. Select security credentials and click on Enable console access for the user.



## Step 6 - Select the checkbox for custom password and create a new password for the user.



#### Console password





#### You have successfully enabled the user's new password.

This is the only time you can view this password. After you close this window, if the password is lost, you must create a new one.

Console sign-in URL

https://237042273450.signin.aws.amazon.com/console

User name

☐ IAM\_S3\_user

Console password

□ S3User@3006 Hide

Download .csv file

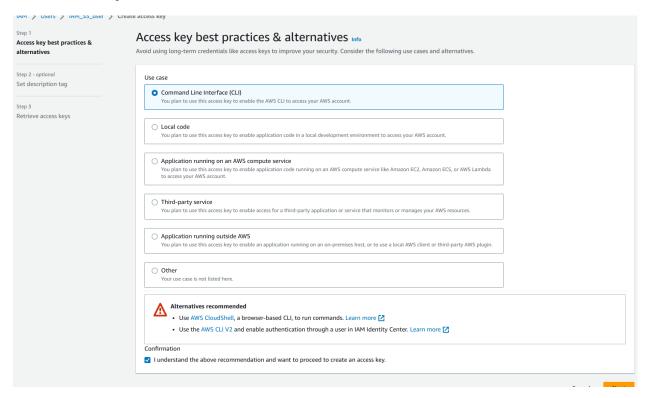
Close

2. Create an access key and secret access key for the user.

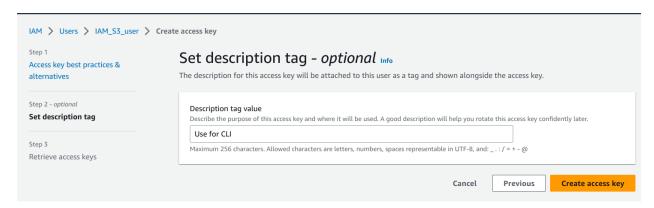
#### Step 1 - Scroll down to the access key section and click on create access key.

Access keys (0)  Use access keys to send programmatic calls to AWS from the AWS CLI, AWS Tools for PowerShell, AWS SDKs, or direct AWS API calls. You can have a maximum of two access keys (active or inactive) at a time. Learn more   Create access key	
No access keys  As a best practice, avoid using long-term credentials like access keys. Instead, use tools which provide short term credentials. Learn more  Create access key	

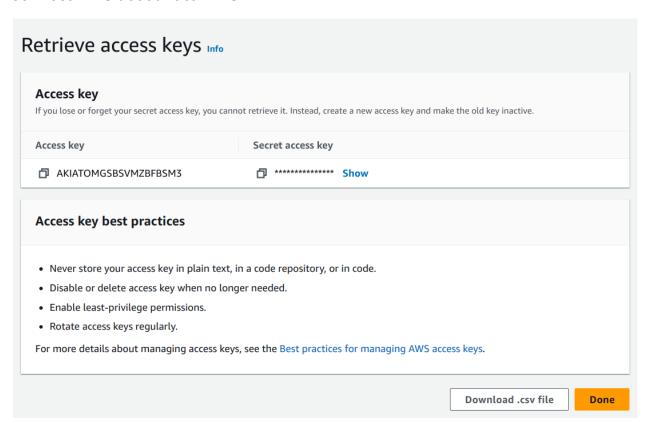
# Step 2 - On the create access key page, select the radio box command line to use the access key to connect AWS CLI to the AWS account. Click on next.



## Step 3 - Enter a short description for the access key. And click on create access key.



### Step 4 - Access key and Secret access key is created. These can be used to connect AWS account to AWS CLI.



#### 3. Configure AWS CLI in local machine

Step 1 - Install "awscli" with apt install command in terminal.

```
shreyaskayarkar@rahulraj-TravelMate-P214-53:~$ sudo apt install awscli
[sudo] password for shreyaskayarkar:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following packages were automatically installed and are no longer requi chromium-codecs-ffmpeg-extra gstreamer1.0-vaapi i965-va-driver intel-media-va-driver libaacs0 libass9 libavcodec58 libavformat58 libavutil56 libbdplus0 libblas3 libbluray2 libbs2b0 libchromaprint1 libcodec2-1.0 libflashrom1 libflite1 libftdi1-2 libgme0 libgsm1 libgstreamer-plugins-bad1.0-0 libigdgmm12 liblilv-0-0 libllvm13 libmfx1 libmysofa1 libnorm1 libopenmpt0 libpgm-5.3-0 libpostproc55 librabbitmq4 librubberband2 libserd-0-0 libshine3 libsnappy1v5 libsord-0-0 libsratom-0 libsrt1 4-qqutls libssh-qcrvpt-4 libswresample3 libswscale5 libudfread0
```

Step 2 - Login to the IAM user using its access key and secret access key. Run command "aws configure" and enter the details.

Step 3 - Check if the user is logged in. Run "sts get-caller-identity" command which returns the userId, account Id, and ARN of the caller account.

```
shreyaskayarkar@rahulraj-TravelMate-P214-53:~$ aws sts get-caller-identity
{
    "UserId": "AIDATOMGSBSVPXS6QLMD7",
    "Account": "237042273450",
    "Arn": "arn:aws:iam::237042273450:user/IAM_S3_user"
}
```

- 4. Create S3 bucket in mumbai region.
- Step 1 Run the "create-bucket" command to create a bucket. A location constraint has to be specified if the bucket is being created in a region other than us-region-1.

```
shreyaskayarkar@rahulraj-TravelMate-P214-53:~$ aws s3api create-bucket --bucket
net-bucket-sk --create-bucket-configuration LocationConstraint=ap-south-1
{
    "Location": "http://net-bucket-sk.s3.amazonaws.com/"
}
shreyaskayarkar@rahulraj-TravelMate-P214-53:~$ aws s3 ls
2023-06-30 23:29:51 net-bucket-sk
```

5. Upload a file to the S3 bucket.

Step 1 - Create a sample file to upload it to S3.

```
shreyaskayarkar@rahulraj-TravelMate-P214-53:~/Documents$ cat > SampleFile.txt
S3 is a object based storage service provided by AWS to store any type of files and provides unilimite
d storage. It provides functions for versioning, logging, storage classes, intelligent tiering, MFA.
shreyaskayarkar@rahulraj-TravelMate-P214-53:~/Documents$ cat SampleFile.txt
```

Step 2 - Run "cp" command to copy local file to S3 bucket.

```
shreyaskayarkar@rahulraj-TravelMate-P214-53:~/Documents$ aws s3 cp SampleFile.txt s3://net-bucket-sk
upload: ./SampleFile.txt to s3://net-bucket-sk/SampleFile.txt
```

Step 3 - List objects in the S3 bucket to confirm if the object was uploaded to the bucket successfully. Run "list-objects" command on the specified bucket.