CLOUD COMMAND LINE INTERFACE

OBJECTIVE:

Install the CLI for your cloud provider (e.g., AWS CLI). Use it to list resources, upload files to storage, and manage VMs.

WHAT IS CLI?

AWS CLI is a powerful command-line tool that allows users to interact with AWS services directly from a terminal. It simplifies automation, resource management, and scripting for cloud operations.

VARIOUS AWS CLI COMMANDS:

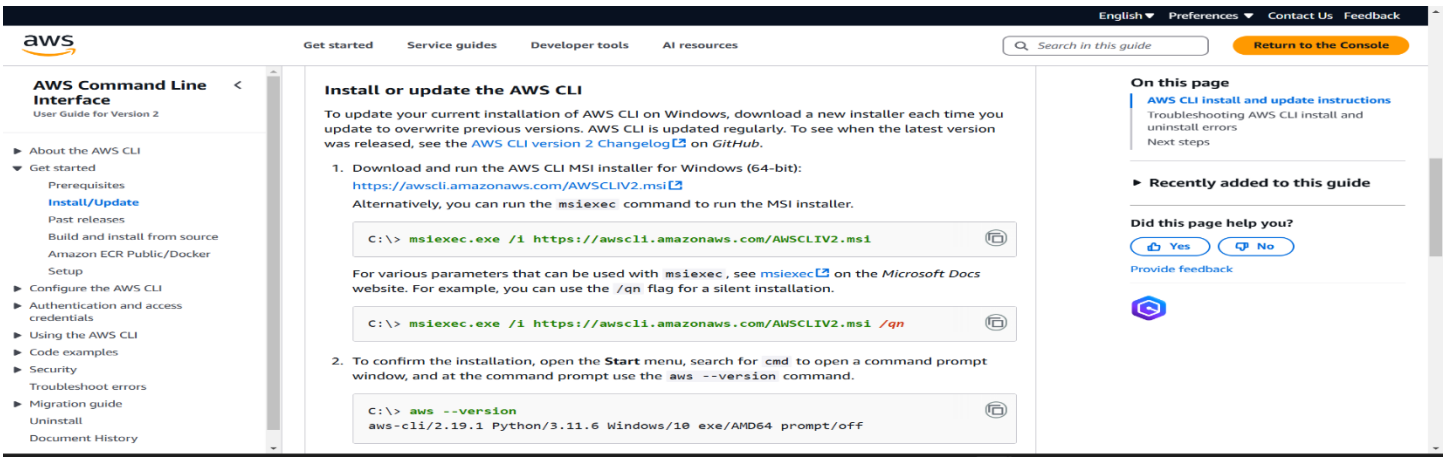
The common AWS CLI Commands:

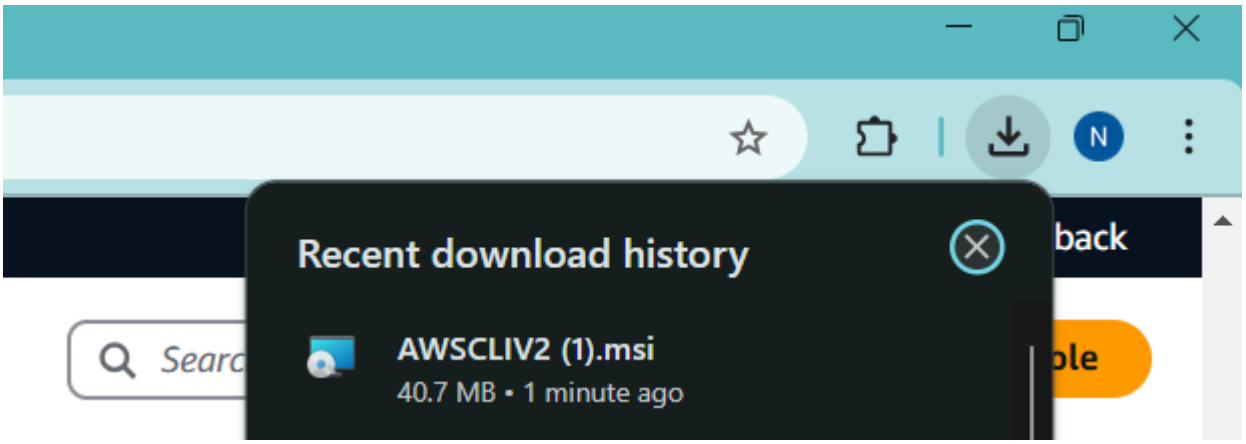
- **Configure CLI** → aws configure
- **List S3 Buckets** → aws s3 ls
- **Upload File to S3** → aws s3 cp file.txt s3://my-bucket/
- **Launch EC2 Instance** → aws ec2 run-instances --image-id ami-xyz --count 1 --instance-type t2.micro
- **View IAM Users** → aws iam list-users

STEP BY STEP OVERVIEW:

Step 1: Download command line interface for windows.

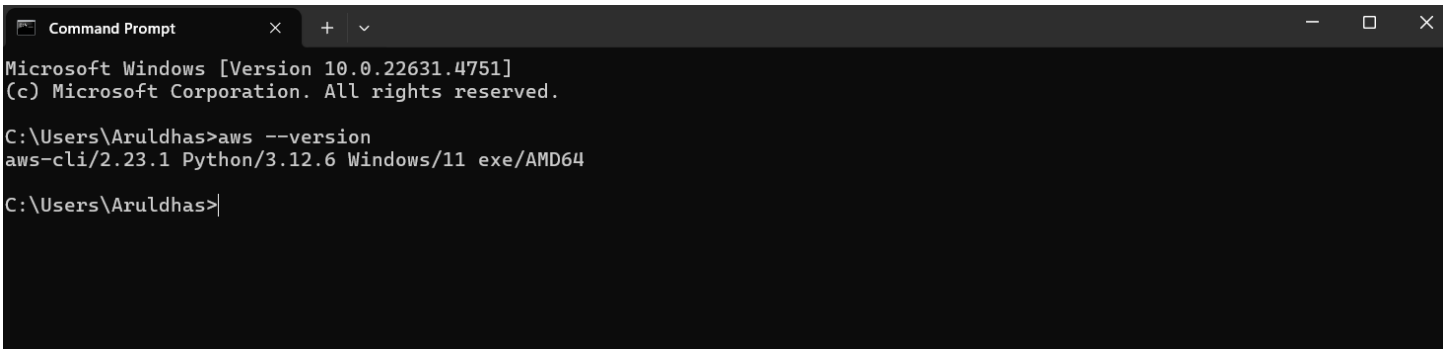
- Open your browser and search for 'AWS CLI Installer for Windows'.
- Click on install/update option on the Apache Lounge website.
- Select the link based on your OS and install by using the link provided.





Step 2: VERIFY INSTALLATION

- Once installed, verify it by typing aws—version in the command prompt.
- If installed, you will get the outcome as below:

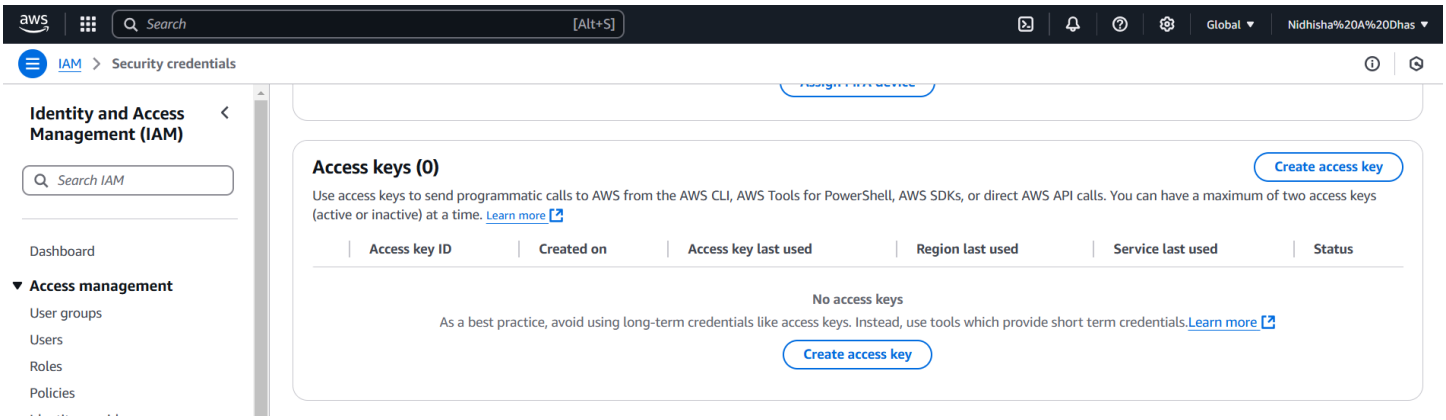


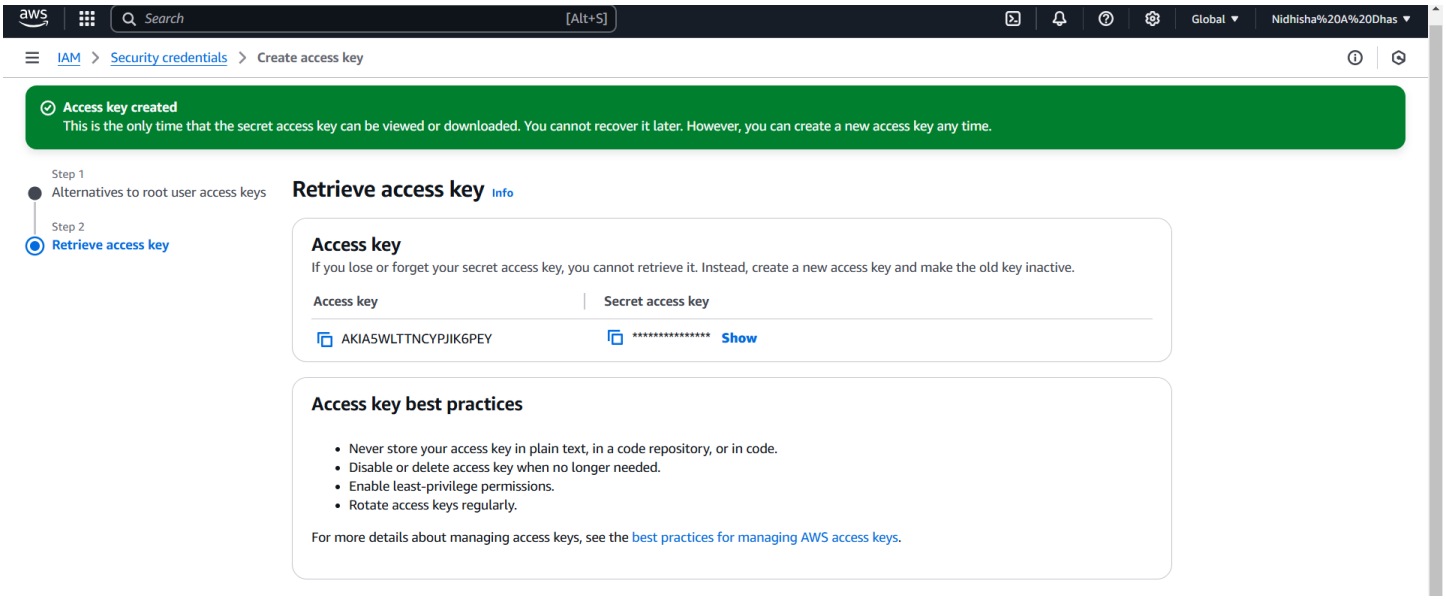
Step 3: CONFIGURE AWS CLI

- Before using AWS CLI, we must configure it with our AWS credentials.
- For this, open command prompt and give aws configure.

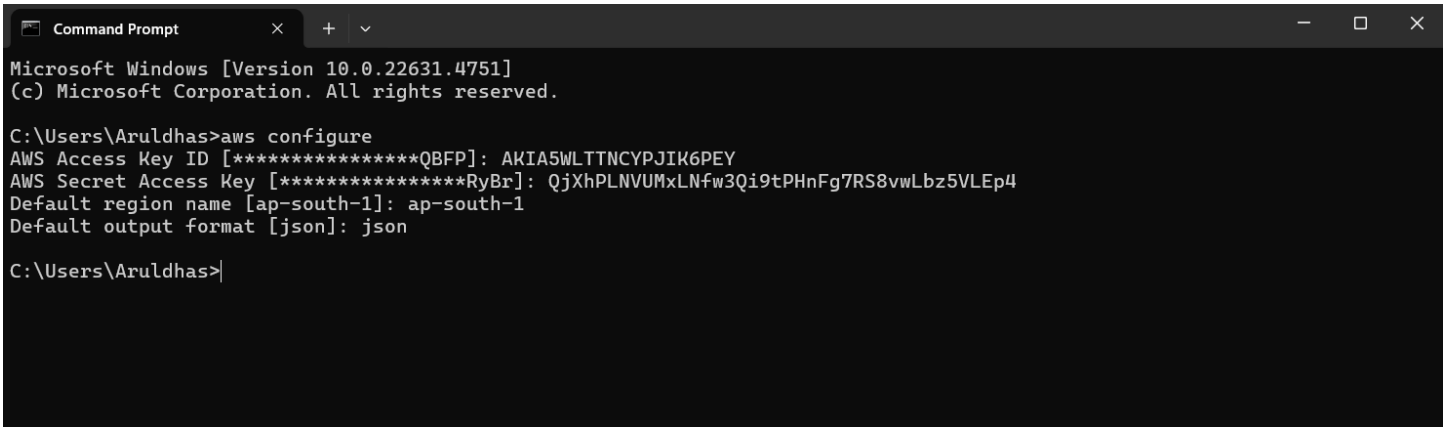
Step 4: CREATE ACCESS KEY

- Go to IAM and click on ‘create access key’ as shown below:





- Once after creatin your access key, copy the aws access key-id and secret access key in the command prompt.
- Also give the region name and output format as shown below.



Step 5: VIEW STORAGE BUCKETS

- To view all the storage buckets, type ‘aws s3 ls’ in the command prompt

```
C:\Users\Aruldhas>aws s3 ls
2025-01-31 10:57:48 sample-101-04

C:\Users\Aruldhas>
```

Step 6: CREATE A S3 BUCKET USING COMMAND

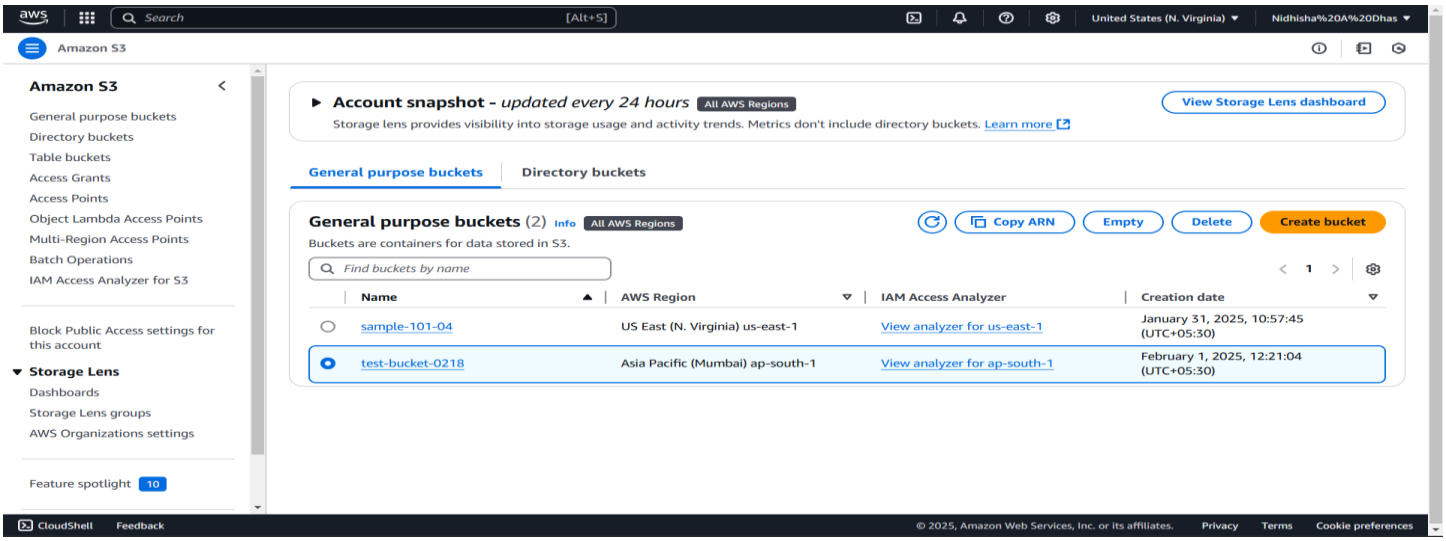
- Create an S3 bucket using the command ‘aws s3 mb s3://your-unique-bucket-name’ in the command prompt.

```
C:\Users\Aruldhas>aws s3 mb s3://test-bucket-0218
make_bucket: test-bucket-0218

C:\Users\Aruldhas>
```

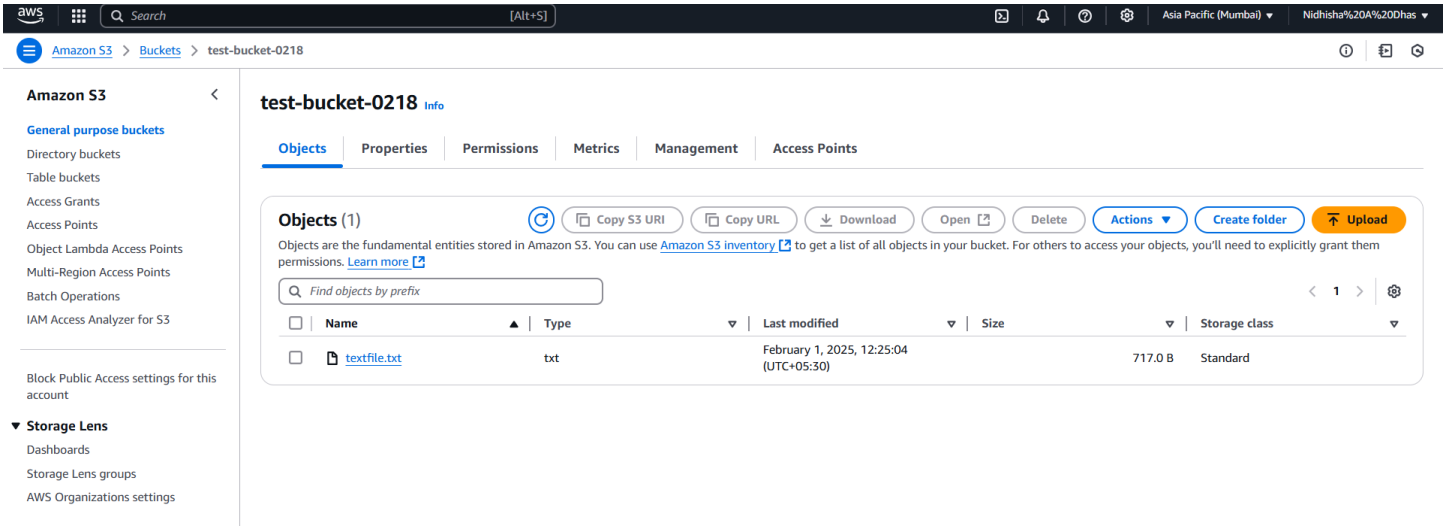
- After successfully creating an S3 bucket, upload any file by typing the command ‘aws s3 cp yourfile.txt s3://your-unique-bucket-name’ in the command prompt.

```
C:\Users\Aruldhas>aws s3 cp "C:\Users\Aruldhas\Documents\textfile.txt" s3://test-bucket-0218
upload: Documents\textfile.txt to s3://test-bucket-0218/textfile.txt

C:\Users\Aruldhas>
```

- Now, we have also uploaded the file in our bucket.
- To check this, open your AWS console and go to S3 service.



- Thus, the bucket has been created successfully.
- Now, to view the uploaded file click on the created S3 bucket.



- Thus, the file also has been uploaded successfully.

CONCLUSION:

Hence from this POC, we have understood:

1. How to install AWS CLI and verify it in command prompt.
2. Configure aws by creating access key in IAM.
3. View the S3 buckets present already.
4. Create new S3 bucket using commands.
5. Upload files in the created bucket using command prompt.

Thus, this one among the available ways to interact with AWS.