St. JOSEPH'S GROUP OF INSTITUTIONS
OMR, CHENNAI - 119

aws

Placement Empowerment Program

Cloud Computing and DevOps Centre

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

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Introduction and Overview

Cloud Command Line Interface (CLI) tools provide a powerful way to interact with cloud platforms such as AWS, Azure, and Google Cloud. These tools allow users to manage resources, automate tasks, and execute cloud operations efficiently without needing a graphical interface.

Objective

The goal of using Cloud CLI tools is to simplify cloud resource management by executing commands for tasks such as listing resources, uploading files, and managing virtual machines (VMs).

Importance

- Efficiency: Faster execution compared to GUI-based operations.
- Automation: Enables scripting and automation of repetitive cloud tasks.
- Flexibility: Allows remote cloud management from any terminal.
- Cost-Effective: Reduces operational overhead by enabling quick and precise resource control.

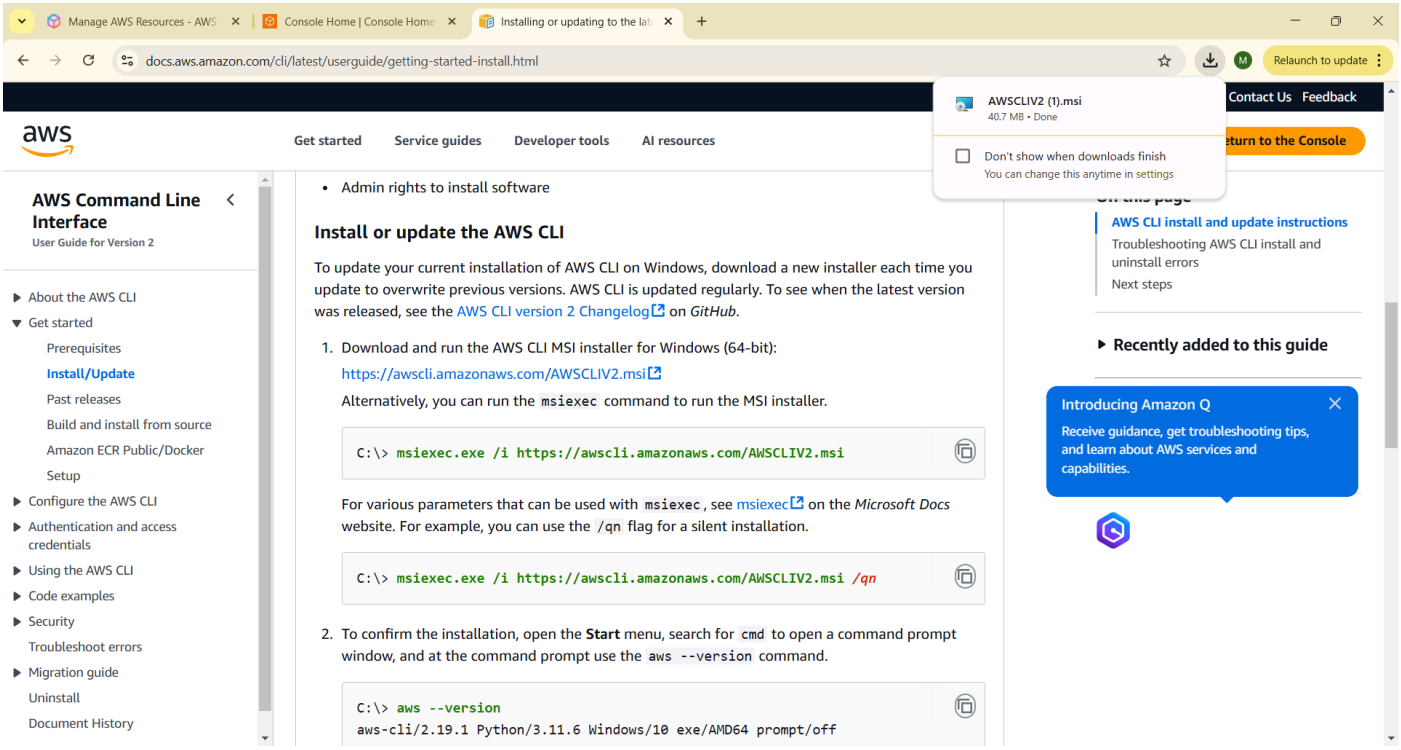
Step-by-Step Overview

STEP 1: Install the AWS CLI:

o For Windows:

▪ Download the installer from the AWS CLI official page.

Run the installer and follow the on-screen instructions.

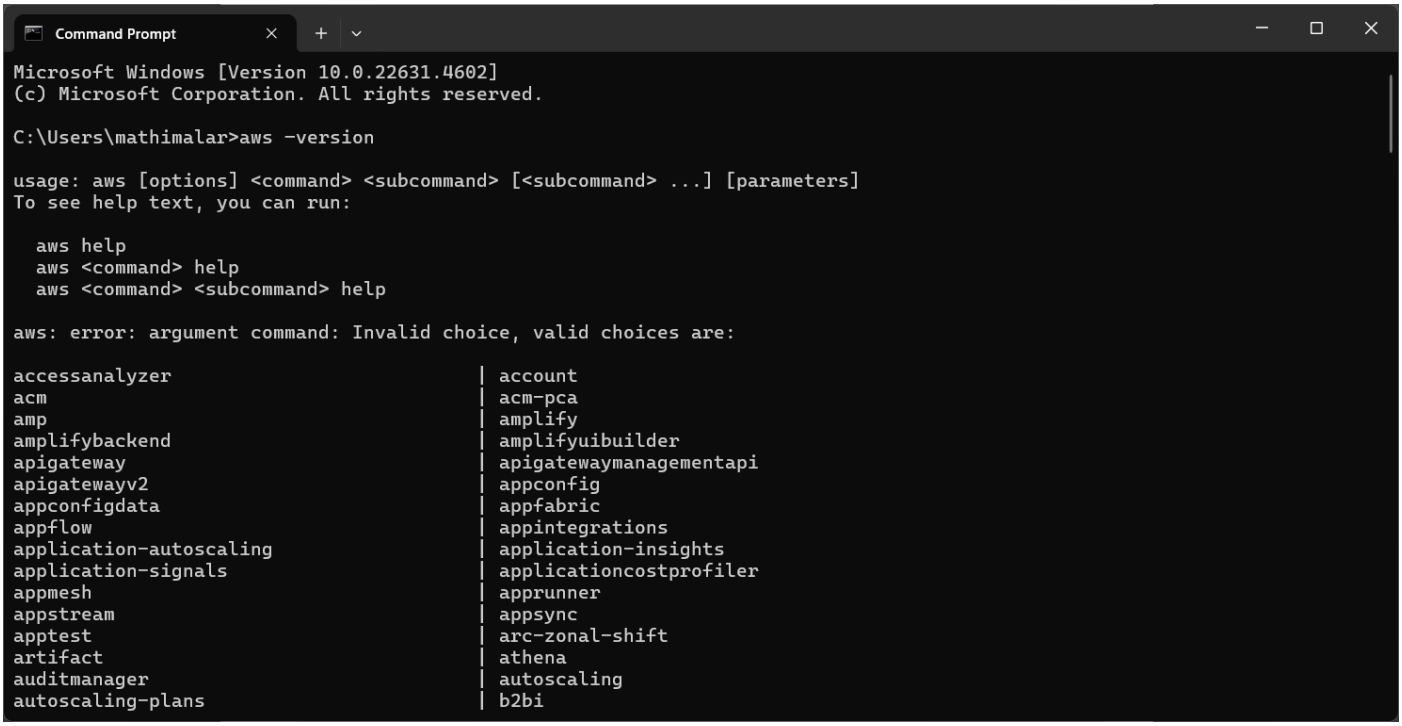


STEP 2:

Verify the Installation:

aws –version

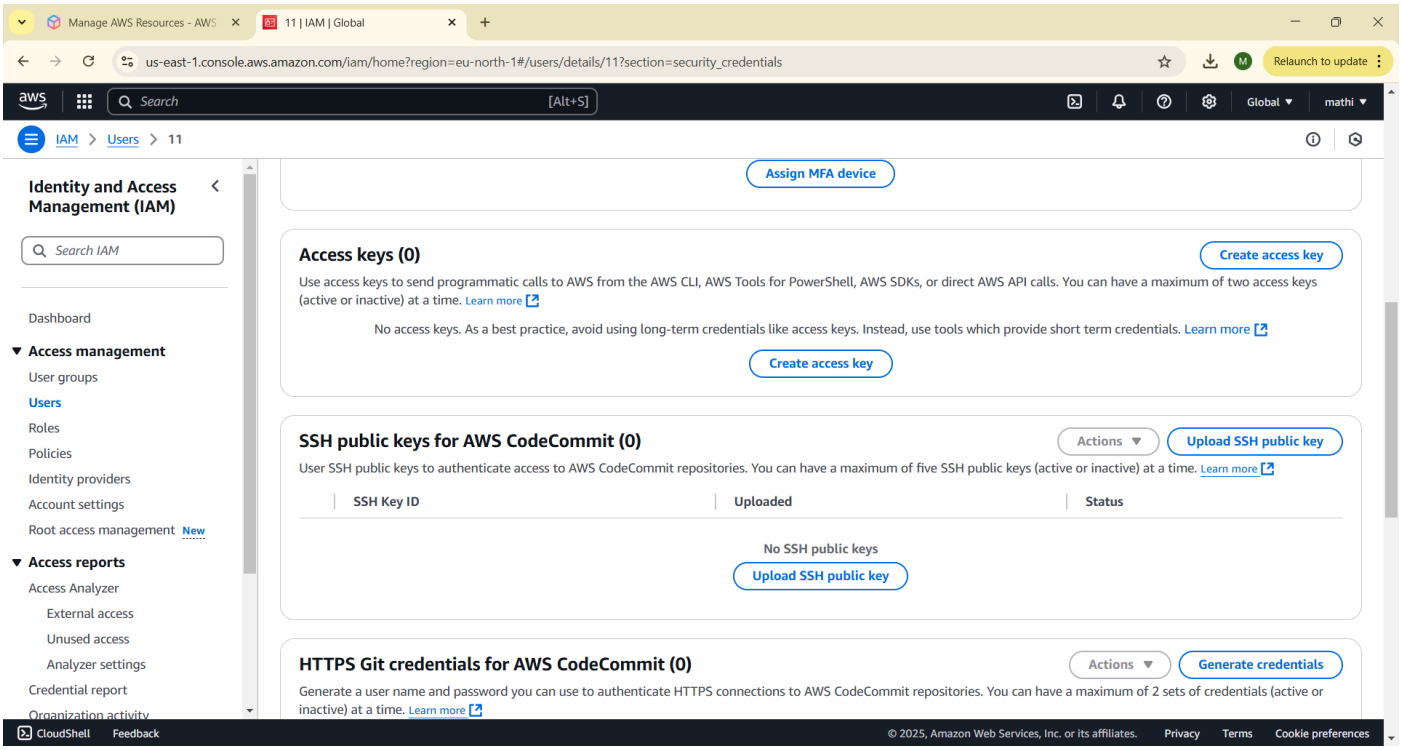
Output should display the AWS CLI version installed.

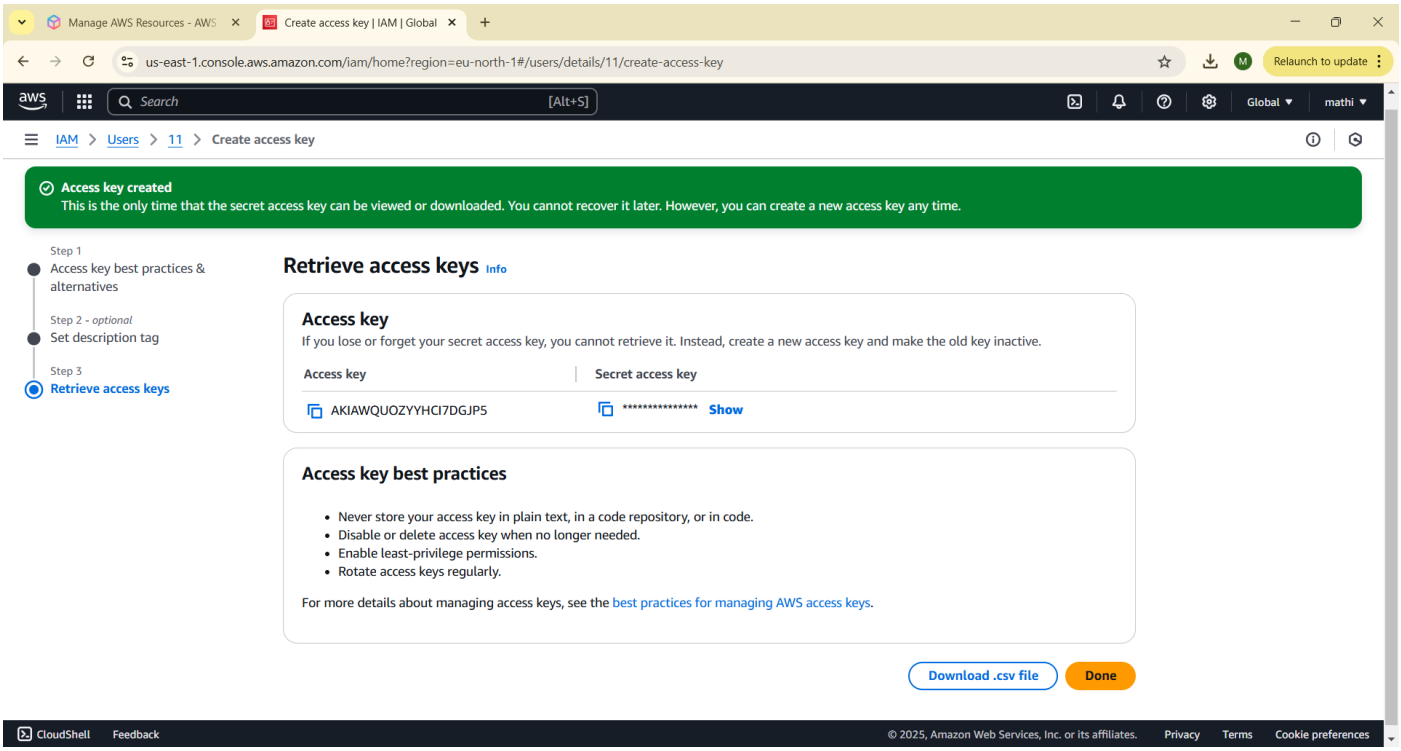


STEP 3:

Create an Access Key for AWS CLI:

- Sign in to the AWS Management Console.
- Go to the Security credentials tab.
- Under Access keys, click Create access key.
- Select Command Line Interface as Use case
- Download the .csv file containing your Access Key ID and Secret Access Key





STEP 4:

Configure the AWS CLI:

aws configure

Provide the following details when prompted:

o AWS Access Key ID

o AWS Secret Access Key

o Default region name (e.g., us-east-1)

o Default output format (e.g., json)

```
C:\Users\mathimalar>aws configure
AWS Access Key ID [None]: AKIAWQUOZYYHCI7DGJP5
AWS Secret Access Key [None]: fUsvjtGlIHSj9mQhAS/YH1NKeWCWBGhPw0vbUQQo
Default region name [None]: us-east-1
Default output format [None]: json
```

STEP 5:

List AWS Resources:

o List all S3 buckets:

aws s3 ls

```
C:\Users\mathimalar>aws s3 ls
```

Outcome

By mastering Cloud CLI tools, users can efficiently interact with their cloud infrastructure, automate workflows, and enhance productivity in cloud-based projects.