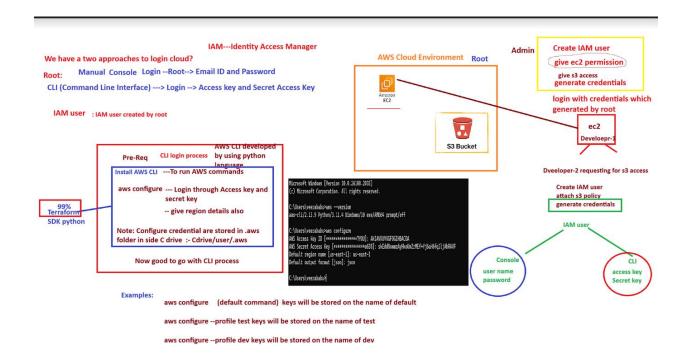
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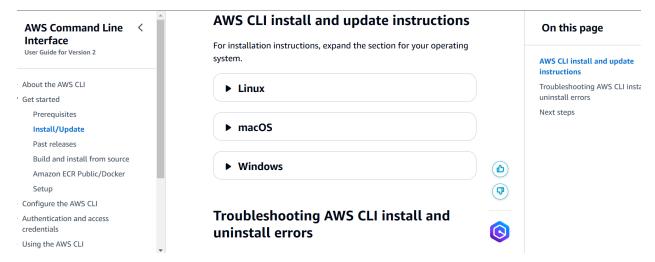
## **AWS CLI**

#### **Class Room Discussion**

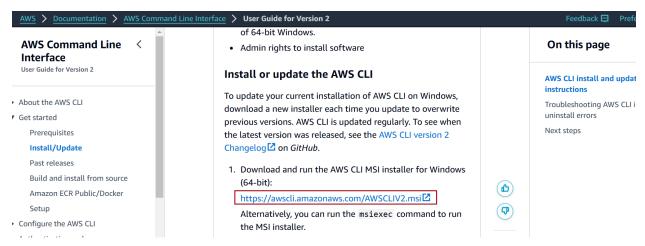


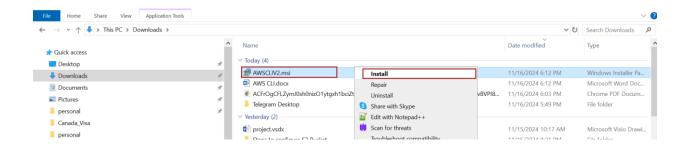
#### Screenshots for Windows/Mac/Linux Installation

Visit the official AWS CLI download page: AWS CLI Installation



## Download and install the appropriate version for your operating system

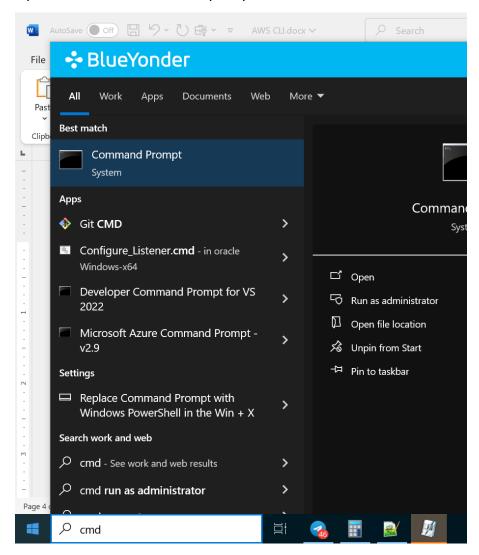




Proceed with the defaults by clicking "Next."

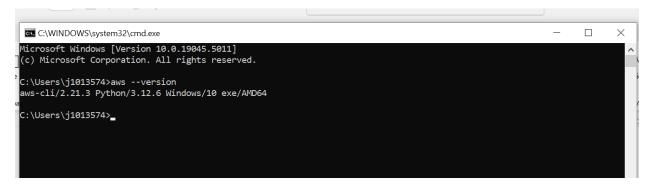
Verify Installation

Open a terminal or command prompt



Run below command

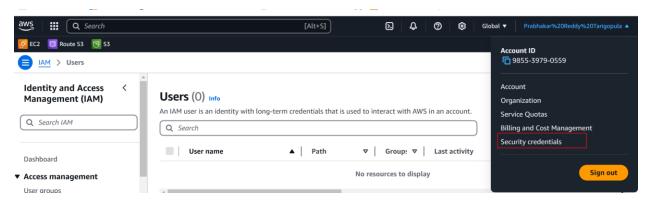
#### aws --version



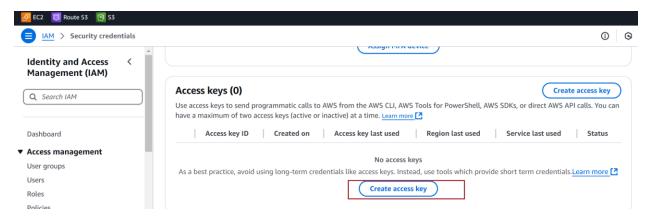
#### **Screenshot for configuring Access Keys for AWS CLI**

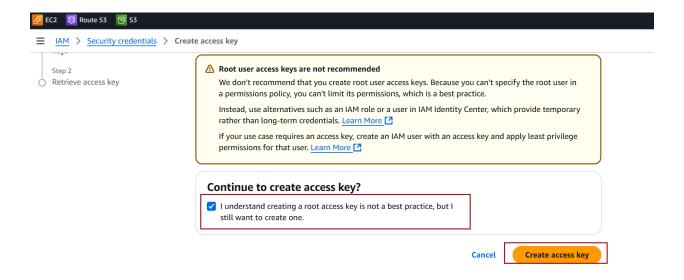
In the top-right corner of the AWS Management Console, click your **account name** or **account ID** (depending on your setup).

Select Security Credentials from the dropdown menu

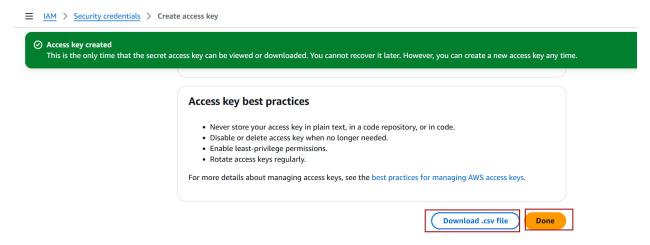


#### Scroll down to the Access keys section and click Create access key

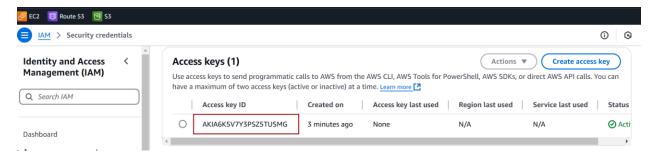




#### Save the .csv file in a secure location and click on Done



#### Observe that access keys created



#### **Screenshot for Configuring AWS CLI**

Open a terminal or command prompt.

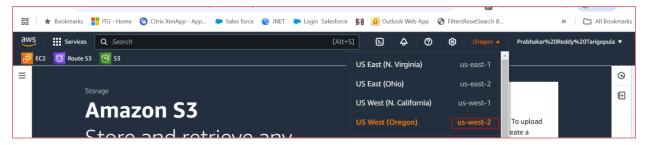
Run aws configure

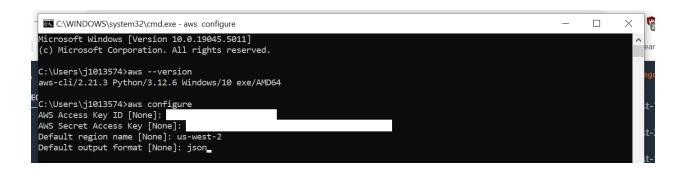
Enter the following details:

- AWS Access Key ID: Enter your Access Key ID.
- AWS Secret Access Key: Enter your Secret Access Key.
- **Default region name**: Enter the AWS region (e.g., us-east-1 or ap-south-1).
- Default output format: Choose json, table, or text (default is json).



#### Region





#### **Test Configuration**

Try listing your S3 buckets to test if AWS CLI can interact with your AWS account

```
C:\Users\j1013574>aws s3 ls
2024-11-16 18:53:21 mysourcebuckets3test
C:\Users\j1013574>
```

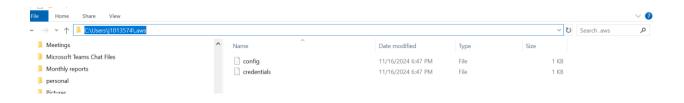
#### **Screenshot for Checking AWS folder on Windows**

### Open File Explorer.

C:\Users\<YourName>\.aws

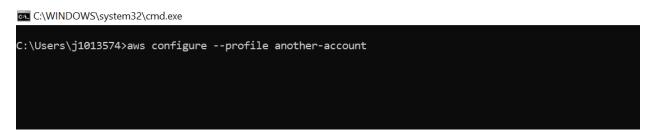
Inside the .aws folder, you should see two key files:

- **config**: Contains settings like the default region and output format.
- credentials: Contains the Access Key ID and Secret Access Key for your configured profiles.



#### Screenshot for accessing another AWS account

**Run the aws configure command** with a custom profile name for the other account. You can give any name to the profile e.g., another-account



## Enter the credentials for the other account:

- AWS Access Key ID: Enter the access key for the other account.
- AWS Secret Access Key: Enter the secret key for the other account.

- **Default region name**: You can press **Enter** to accept the default region, or specify a region (e.g., us-west-2).
- **Default output format**: Press **Enter** to accept the default json, or specify your preference (e.g., text or table).

```
C:\WINDOWS\system32\cmd.exe - aws configure

Microsoft Windows [Version 10.0.19045.5011]
(c) Microsoft Corporation. All rights reserved.

C:\Users\j1013574>aws --version
aws-cli/2.21.3 Python/3.12.6 Windows/10 exe/AMD64

EC
C:\Users\j1013574>aws configure
AWS Access Key ID [None]:

AWS Secret Access Key [None]:
Default region name [None]: us-west-2
Default output format [None]: json_
```

#### Use the Other Account via the Named Profile

Once the profile for the other account is configured, you can run AWS CLI commands using the --profile option to specify the account you want to use.

aws s3 ls --profile another-account

```
C:\WINDOWS\system32\cmd.exe

C:\Users\j1013574>aws s3 ls --profile --another-account_
```

#### Screenshot for launching a New EC2 Instance using CLI

Creating an **EC2 instance** using the AWS CLI involves multiple steps

Prerequisite list required for EC2 instance creation through the AWS CLI:

- AMI ID: Amazon Machine Image ID (e.g., ami-12345).
- **Instance Type**: Instance size/type (e.g., t2.micro).
- Key Pair: For SSH access to the instance.
- Security Group: For firewall rules.

#### Run the following command to create an EC2 instance:

aws ec2 run-instances --image-id ami-22111148 --count 1 --instance-type t1.micro --key-name stage-key --security-groups my-aws-security-group

Note - If you are in a default VPC and want AWS to automatically assign the default security group, omit the --security-group-ids parameter entirely:

aws ec2 run-instances --image-id ami-01f9f821c37661b97 --count 1 --instance-type t2.micro -- key-name newkey

aws ec2 describe-instances --query "Reservations[\*].Instances[\*].[InstanceId,State.Name]"