How to Set Up and Use AWS CLI as a Root User

Step 1: Create Security Credentials

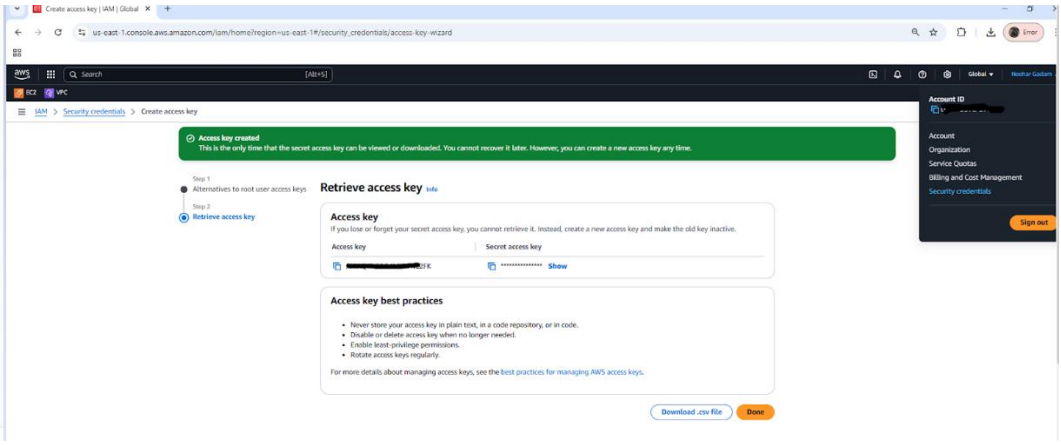
1. Log in to the AWS Console using your root account.

2. Click on your profile name at the top-right corner.

3. Select Security Credentials from the dropdown.

4. Find the option to create an Access Key and click on it.

5. Download the CSV file that contains your Access Key ID and Secret Access Key.



Step 2: Install AWS CLI

1. Download and install AWS CLI on your system.

   Use this link: https://docs.aws.amazon.com/cli/latest/userguide/getting-started-install.html

   2. Follow the installation instructions for your operating system (Windows, macOS, or Linux).

In my case I'm using windows

Step 3: Configure AWS CLI

1. Open a terminal or command prompt on your machine.

2. Type the command:

   aws configure

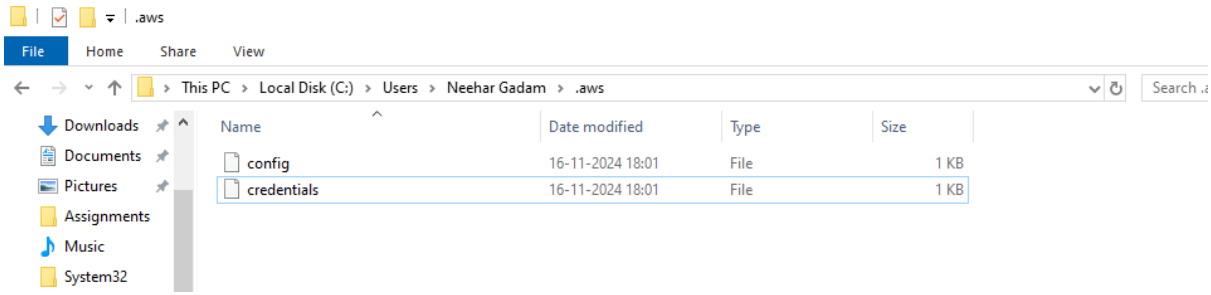
   3. Enter the information it asks for:

   AWS Access Key ID: (Copy it from the CSV file you downloaded).

   AWS Secret Access Key: (Copy this from the same file).

   Default region name: Enter a region like us-east-1

   Default output format: json




```
C:\Windows\system32>aws --version
aws-cli/2.21.3 Python/3.12.6 Windows/10 exe/AMD64

C:\Windows\system32>aws s3 ls
2024-11-16 18:02:33 multiclouddevops

C:\Windows\system32>aws s3 mb s3://creatingbucketfromclineehar
make_bucket: creatingbucketfromclineehar

C:\Windows\system32>aws s3 ls
2024-11-16 18:20:44 creatingbucketfromclineehar
2024-11-16 18:02:33 multiclouddevops

C:\Windows\system32>
```

Step 4: Test AWS CLI

1. List all S3 buckets in your account:

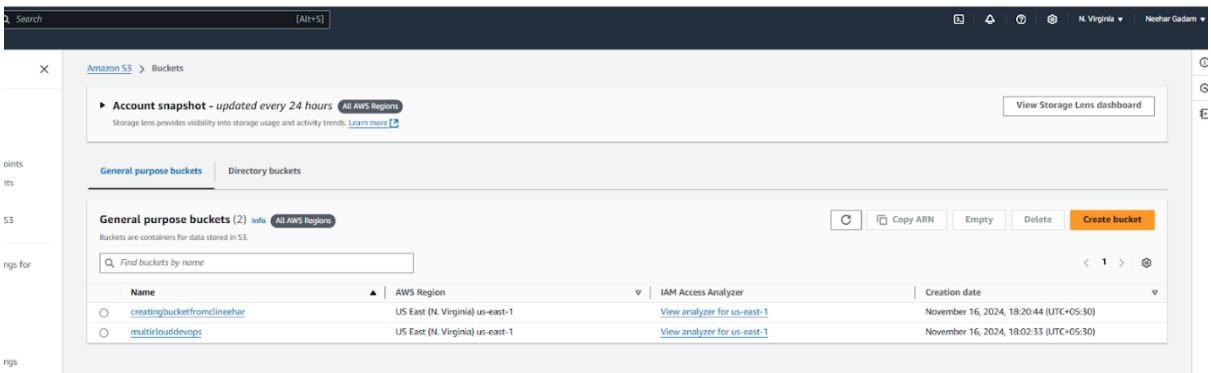
   aws s3 ls

   If you see a list of buckets, your setup is successful!

2. Create a new S3 bucket using the CLI:

   aws s3 mb s3://creatingbucketfromclineehar

   You'll see a message: make_bucket: creatingbucketfromclineehar.



3. remove aws s3 rb s3://creatingbucketfromclineehar

Ec2 Instance creation using cli

aws ec2 run-instances --image-id ami-007868005aea67c54 --count 1 --instance-type t2.micro --key-name CustomNetworkTest

```
C:\Windows\system32>aws ec2 run-instances --image-id ami-007868005aea67c54 --count 1 --instance-type t2.micro --key-name CustomNetworkTest
{
    "ReservationId": "r-0125cb4dcc9e1d0c8",
    "OwnerId": "061039785755",
    "Groups": [],
    "Instances": [
        {
            "Architecture": "x86_64",
            "BlockDeviceMappings": [],
            "ClientToken": "63c44576-05b5-40cd-bbcd-66607ddfba06",
            "EbsOptimized": false,
            "EnaSupport": true,
            "Hypervisor": "xen",
            "NetworkInterfaces": [
                {
                    "Attachment": {
                        "AttachTime": "2024-11-16T14:27:00+00:00",
                        "AttachmentId": "eni-attach-0d79ef975278cb321",
                        "DeleteOnTermination": true,
                        "DeviceIndex": 0,
                        "Status": "attaching",
                        "NetworkCardIndex": 0
                    },
                    "Description": "",
                    "Groups": [
                        {
                            "GroupId": "sg-06be54fd51c47fc63",
                            "GroupName": "default"
                        }
                    ],
                    "Ipv6Addresses": [],
                    "MacAddress": "02:13:9d:8b:67:19",
                    "NetworkInterfaceId": "eni-06c8a1369d854bd84",
                    "OwnerId": "061039785755",
                    "PrivateDnsName": "ip-172-31-2-169.ec2.internal",
                    "PrivateIpAddress": "172.31.2.169",
                    "PrivateIpAddresses": [
                        {
                            "Primary": true,
```