

AWS CLI Practice

1. AWS CLI installed.
2. AWS account with programmatic access (access key ID & secret key) , Configured CLI via `aws configure`

```
C:\Users\Snehal>aws --version
aws-cli/2.27.29 Python/3.13.3 Windows/11 exe/AMD64
```

```
C:\Users\Snehal>aws sts get-caller-identity
{
  "UserId": "975050115813",
  "Account": "975050115813",
  "Arn": "arn:aws:iam::975050115813:root"
}
```

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

```
C:\Users\Snehal>aws ec2 describe-reservations
{
  "Reservations": []
}
```

```
C:\Users\Snehal>aws iam list-users
{
  "Users": []
}
```

```
C:\Users\Snehal>aws ec2 describe-regions --output table
```

DescribeRegions		
Regions		
Endpoint	OptInStatus	RegionName
ec2.ap-south-1.amazonaws.com	opt-in-not-required	ap-south-1
ec2.eu-north-1.amazonaws.com	opt-in-not-required	eu-north-1
ec2.eu-west-3.amazonaws.com	opt-in-not-required	eu-west-3
ec2.eu-west-2.amazonaws.com	opt-in-not-required	eu-west-2
ec2.eu-west-1.amazonaws.com	opt-in-not-required	eu-west-1
ec2.ap-northeast-3.amazonaws.com	opt-in-not-required	ap-northeast-3
ec2.ap-northeast-2.amazonaws.com	opt-in-not-required	ap-northeast-2
ec2.ap-northeast-1.amazonaws.com	opt-in-not-required	ap-northeast-1
ec2.ca-central-1.amazonaws.com	opt-in-not-required	ca-central-1
ec2.sa-east-1.amazonaws.com	opt-in-not-required	sa-east-1
ec2.ap-southeast-1.amazonaws.com	opt-in-not-required	ap-southeast-1

-- More --

3. AWS CLI returns output in **JSON** format.

```
C:\Users\Snehal>aws ec2 describe-security-groups --region ap-south-1 --query "SecurityGroups[*].[GroupId,GroupName,Description]" --output
table
-----
| DescribeSecurityGroups |
|-----|
| sg-084c2732674d3aa56 | default | default VPC security group |
| sg-055347433b3773a63 | demo-1 | allows ssh access |
|-----|
C:\Users\Snehal>aws ec2 describe-security-groups --output json
{
  "SecurityGroups": [
    {
      "GroupId": "sg-084c2732674d3aa56",
      "IpPermissionsEgress": [
        {
          "IpProtocol": "tcp",
          "FromPort": 22,
          "ToPort": 22,
          "UserIdGroupPairs": [],
          "IpRanges": [
            {
              "CidrIp": "0.0.0.0/0"
            }
          ]
        }
      ],
      "Ipv6Ranges": [],
      -- More -- |
    }
  ]
}
```

```
C:\Users\Snehal>aws ec2 describe-security-groups --region ap-south-1 --query "SecurityGroups[*].[Group
Id,GroupName]" --output table
-----
| DescribeSecurityGroups |
|-----|
| sg-084c2732674d3aa56 | default |
| sg-055347433b3773a63 | demo-1 |
|-----|
C:\Users\Snehal>aws s3api list-buckets --query "Buckets[*].Name"
[]

C:\Users\Snehal>
```

4. Basic AWS CLI commands for common AWS services.

```
C:\Users\Snehal>aws s3 ls
2025-06-10 14:19:46 cli-practice-s3-bucket

C:\Users\Snehal>aws s3 cp "D:\Snehal\Hackathon PHN\Medico\templates\auth.html" s3://cli-practice-s3-bucket/medico-index.html
upload: D:\Snehal\Hackathon PHN\Medico\templates\auth.html to s3://cli-practice-s3-bucket/medico-index.html

C:\Users\Snehal>aws s3 ls s3://cli-practice-s3-bucket/
2025-06-10 14:25:15          3134 index.html
2025-06-10 14:27:55          5579 medico-index.html

C:\Users\Snehal>aws s3 rm s3://cli-practice-s3-bucket/medico-index.html
delete: s3://cli-practice-s3-bucket/medico-index.html

C:\Users\Snehal>aws s3 ls s3://cli-practice-s3-bucket/
2025-06-10 14:25:15          3134 index.html

C:\Users\Snehal>aws s3 sync s3://cli-practice-s3-bucket/ ".\Local folder"
download: s3://cli-practice-s3-bucket/index.html to Local folder\index.html

C:\Users\Snehal>aws s3 cp s3://cli-practice-s3-bucket/index.html ".\Local folder\index.html"
download: s3://cli-practice-s3-bucket/index.html to Local folder\index.html

C:\Users\Snehal>
```

5. **S3 bucket creation** from the CLI, Uploaded a File and listed Objects in the Bucket.

```
C:\Users\Snehal>aws s3api create-bucket --bucket cli-practice-s3-bucket --region ap-south-1 --create-bucket-configuration LocationConstraint=ap-south-1
{
  "Location": "http://cli-practice-s3-bucket.s3.amazonaws.com/"
}

C:\Users\Snehal>aws s3 ls
2025-06-10 14:19:46 cli-practice-s3-bucket

C:\Users\Snehal>aws s3 cp D:\Snehal\Hackathon PHN\Medico\templates\index.html s3://cli-practice-s3-bucket/
Unknown options: s3://cli-practice-s3-bucket/

C:\Users\Snehal>aws s3 cp "D:\Snehal\Hackathon PHN\Medico\templates\index.html" s3://cli-practice-s3-bucket/
upload: D:\Snehal\Hackathon PHN\Medico\templates\index.html to s3://cli-practice-s3-bucket/index.html

C:\Users\Snehal>
```

cli-practice-s3-bucket [Info](#)

[Objects](#)
[Properties](#)
[Permissions](#)
[Metrics](#)
[Management](#)
[Access Points](#)

Objects (2)

Copy S3 URI

Copy URL

Download

Open

Delete

[Actions](#)

[Create folder](#)
[Upload](#)

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)

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<input type="checkbox"/>	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	index.html	html	June 10, 2025, 14:25:15 (UTC+05:30)	3.1 KB	Standard
<input type="checkbox"/>	medico-index.html	html	June 10, 2025, 14:27:55 (UTC+05:30)	5.4 KB	Standard

6. Disconnected AWS connection with CLI.

```
C:\Users\Snehal>aws sts get-caller-identity
{
  "UserId": "975050115813",
  "Account": "975050115813",
  "Arn": "arn:aws:iam::975050115813:root"
}

C:\Users\Snehal>del %USERPROFILE%\aws\credentials

C:\Users\Snehal>del %USERPROFILE%\aws\config

C:\Users\Snehal>aws sts get-caller-identity

Unable to locate credentials. You can configure credentials by running "aws configure".

C:\Users\Snehal>
```