



# Working with aws cli

## Prerequisites

Before you can install or update the AWS CLI version 2 on Windows, be sure you have the following:

- A 64-bit version of Windows XP or later.
- Admin rights to install software

## Installation on windows

Install or update the AWS CLI version 2 on Windows using the MSI installer

- <https://awscli.amazonaws.com/AWSCLIV2.msi>

## Verify the installation (Type in CMD)

```
aws --version
```

```
Command Prompt
Microsoft Windows [Version 10.0.18363.1646]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\kwadud>aws --version
aws-cli/2.1.29 Python/3.8.8 windows/10 exe/AMD64 prompt/off
```

Screenshot of aws cli version

## Configuration basics

Quick configuration with `aws configure`

```
aws configure
```

```
C:\Users\kwadud>aws configure
AWS Access Key ID [*****QTHZ]: 
AWS Secret Access Key [*****YS8J]: 
Default region name [None]: ap-southeast-2
Default output format [None]: json
```

Get the access key from IAM for the user ( Access key ID & Secret access key)

- check configuration by using `aws configure list` command
- locate the files in C:\Users\kwadud\.aws

```
C:\Users\kwadud>aws configure list
```

Name	Value	Type	Location
profile	<not set>	None	None
access_key	*****SA7Y	shared-credentials-file	
secret_key	*****njr+	shared-credentials-file	
region	ap-southeast-2	config-file	C:\Users\kwadud\.aws\credentials.txt

- `aws configure list-profiles` - to get profile info

## Command structure:

```
aws <command> <subcommand> [options and parameters]
```

## Useful command for quick start (S3)

- `aws s3 ls` ( will list buckets)

**Using high-level (s3) commands with the AWS CLI** - The s3 tier consists of high-level commands that simplify performing common tasks, such as creating, manipulating, and deleting objects and buckets.

(<https://docs.aws.amazon.com/cli/latest/userguide/cli-services-s3-commands.html#using-s3-commands-managing-objects-move> )

- `aws s3 mb s3://bucket-name` (creates the s3://bucket-name bucket)
- `aws s3 ls`
- `aws s3 ls s3://bucket-name` (list prefix and files)
- `aws s3 cp filename.txt s3://bucket-name` (copy from local to s3)
- `aws s3 cp s3://bucket-name/filename.txt ./` (copy from s3 to local)

**Using API-Level (s3api) commands with the AWS CLI** - The s3api tier behaves identically to other AWS services by exposing direct access to all Amazon S3 API operations. It enables you to carry out advanced operations that might not be possible with the following tier's high-level commands alone.

(  
<https://docs.aws.amazon.com/cli/latest/reference/s3api/> )

| **Bucket** – A top-level Amazon S3 folder.

| **Prefix** – An Amazon S3 folder in a bucket.

| **Object** – Any item that's hosted in an Amazon S3 bucket