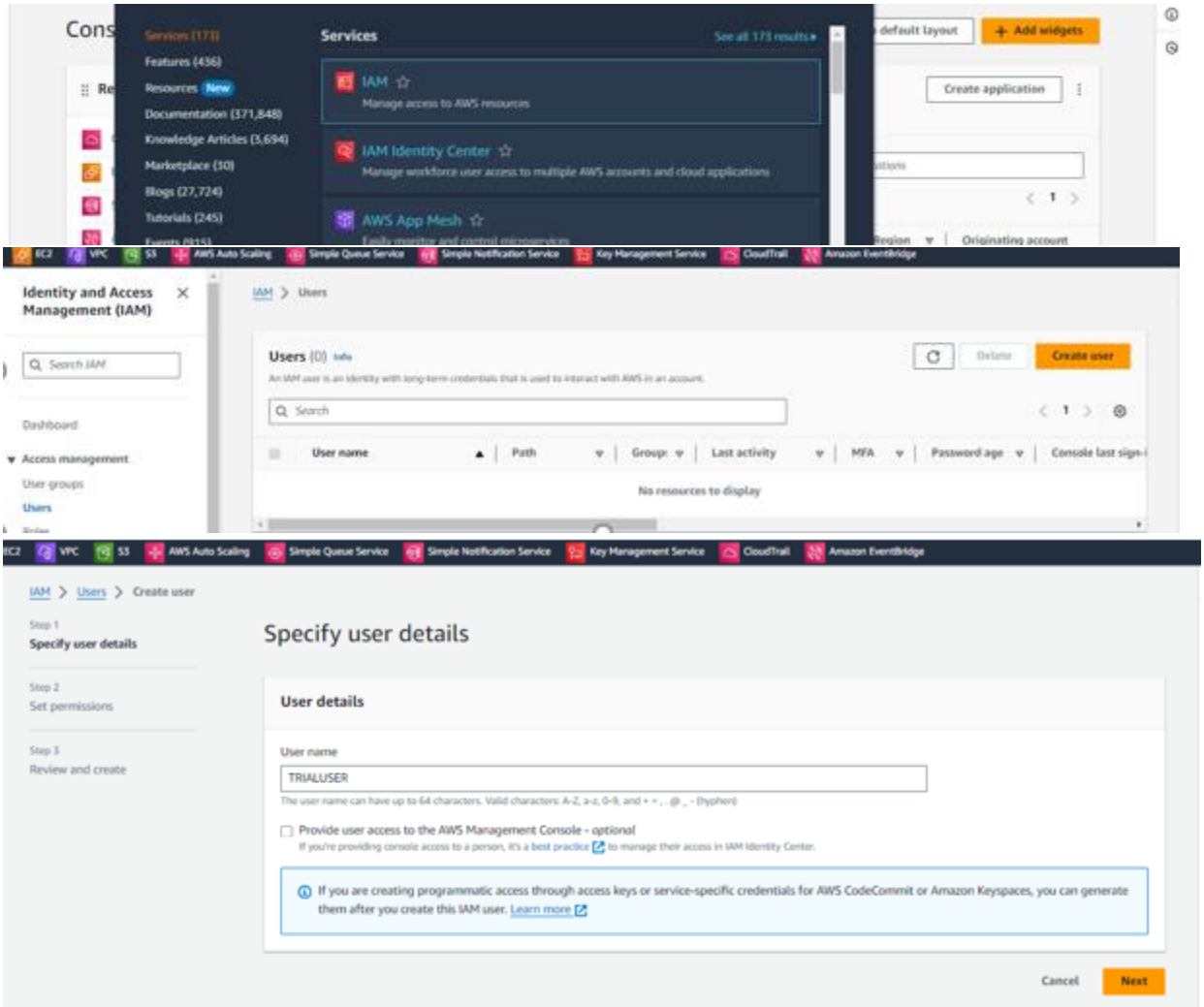
**NAME –DEEPAK SIINGH**

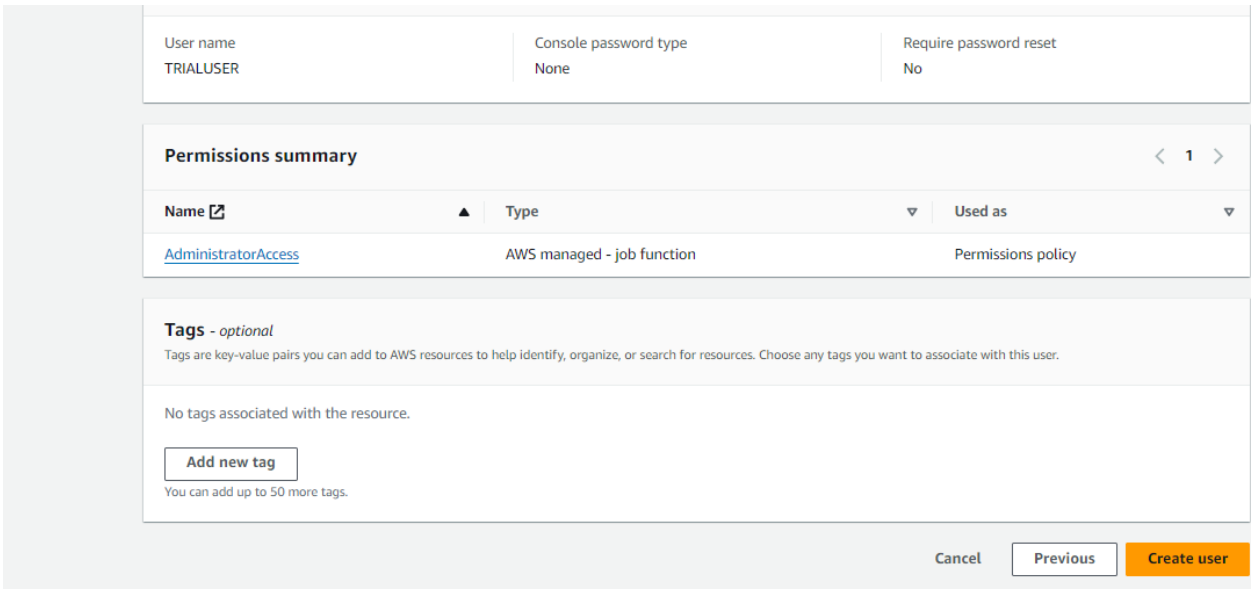
**TASK -5 –CREATE EC2 USING AWS CLI**

**AIM- HOW TO CREATE EC2 INSTANCE USING AWS CLI**

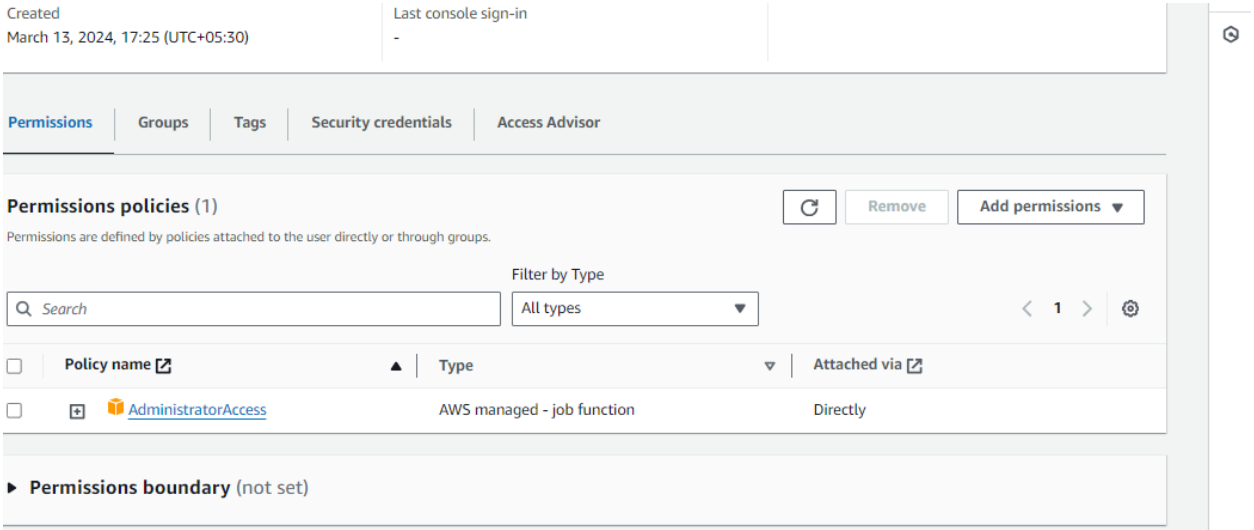
**STEP1 –**

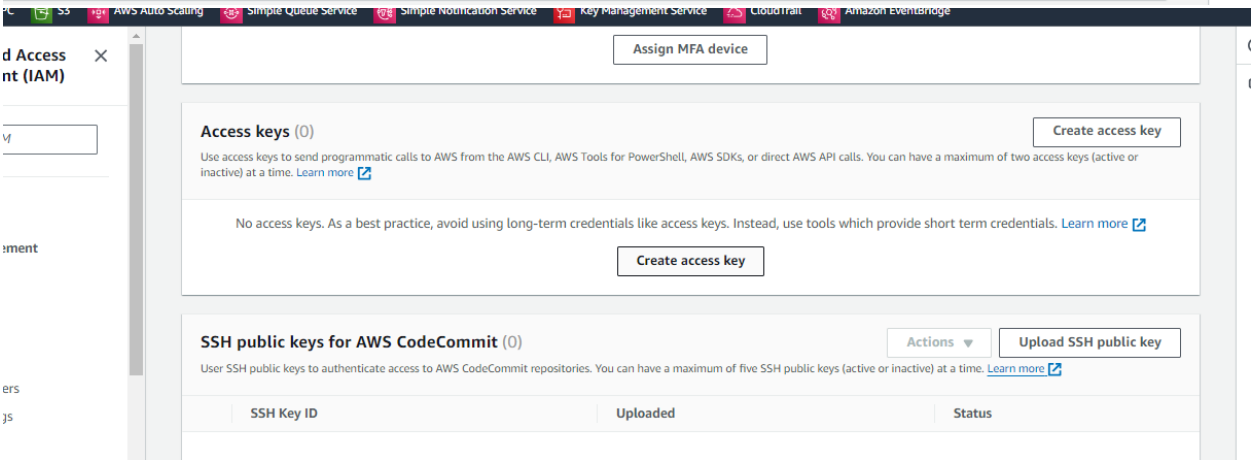
**CREATE A PARTICULAR USER BY USING I AM USER**






## STEP 2- MAKE A SECURITY CREDITENIAL OF THESE ACCOUNT



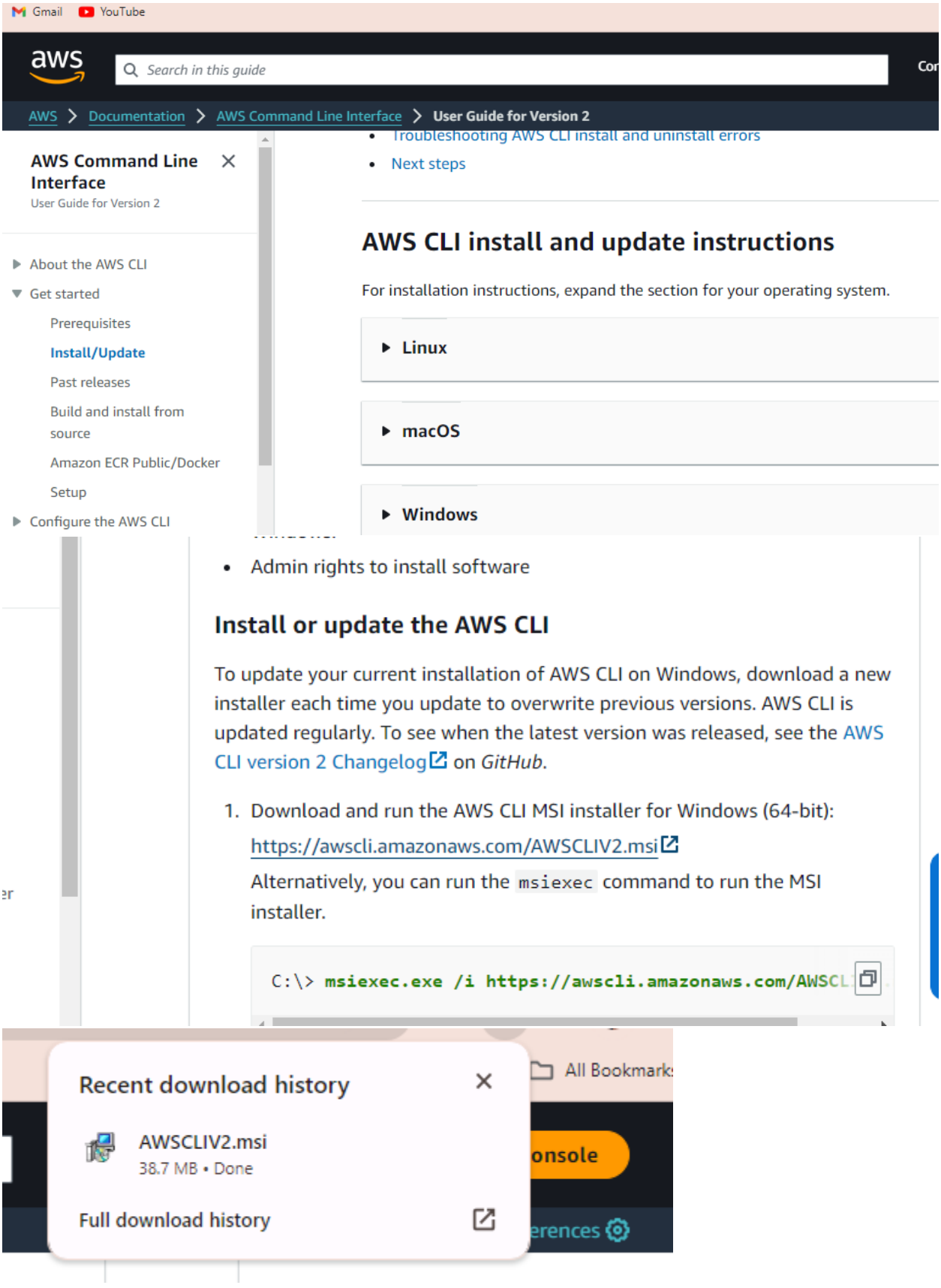
**STEP-3**

**INSTALL AWS CLI**

**REFERENCE LINK –**

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

**NOW DOWNLOAD MSI**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YouTube
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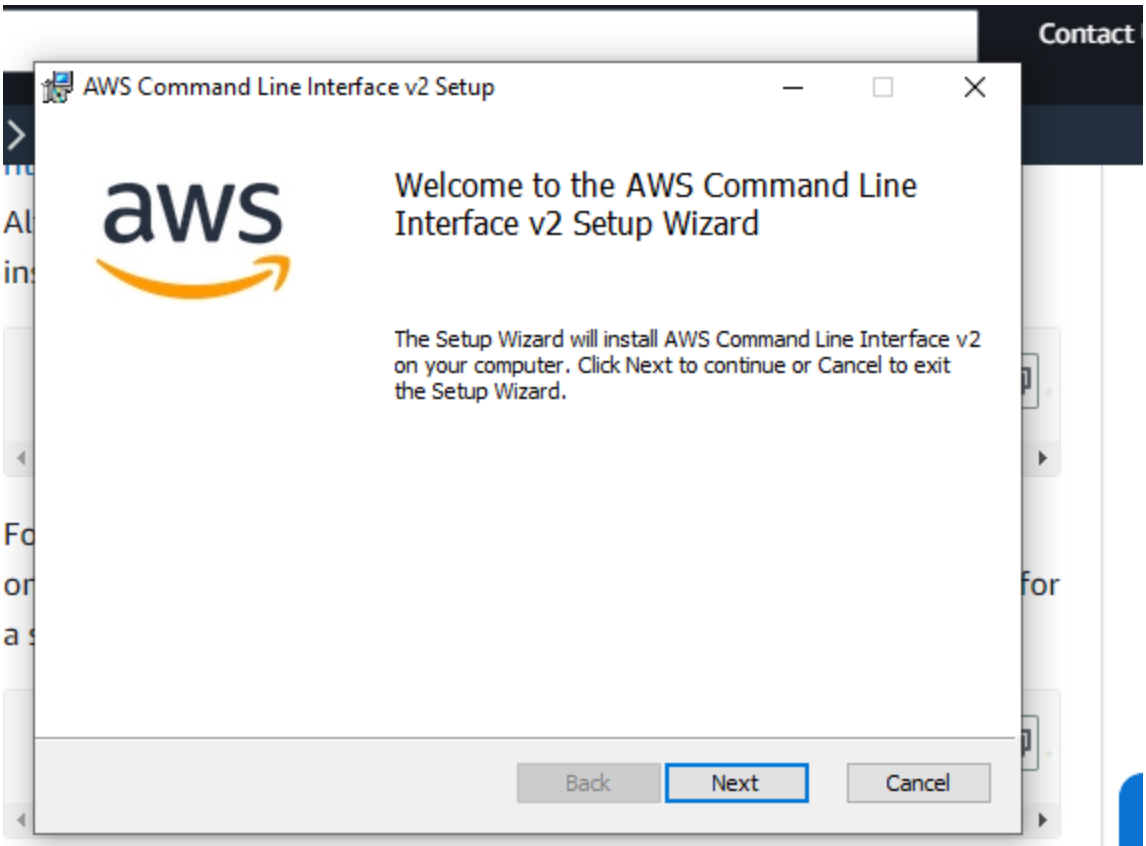
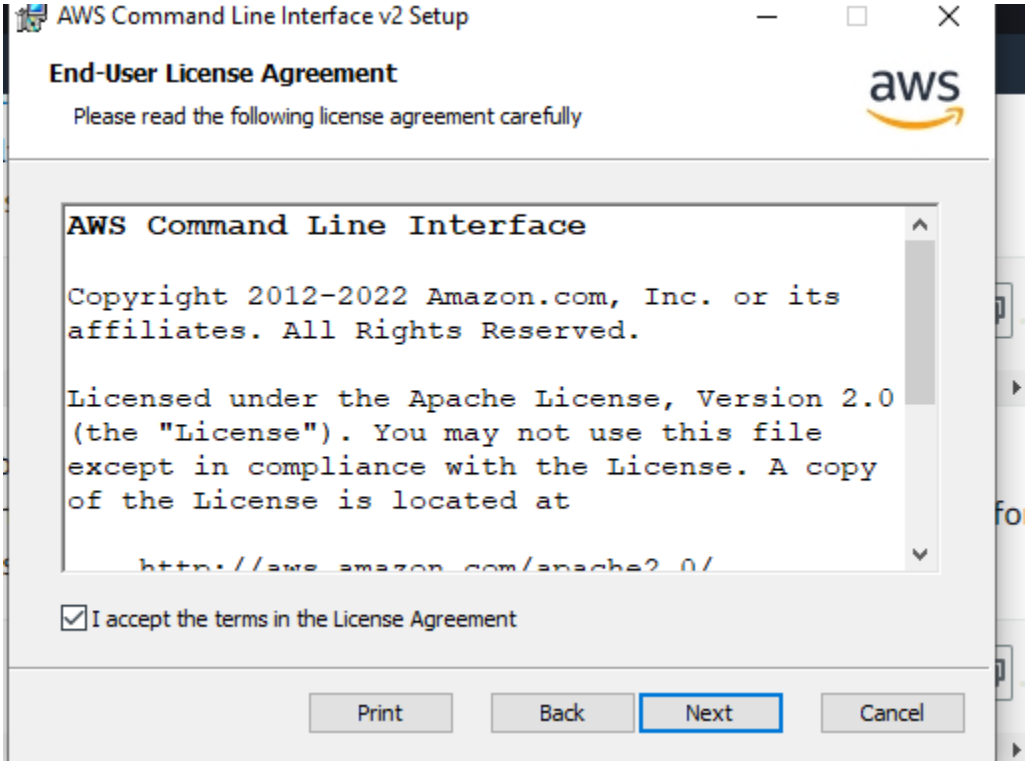
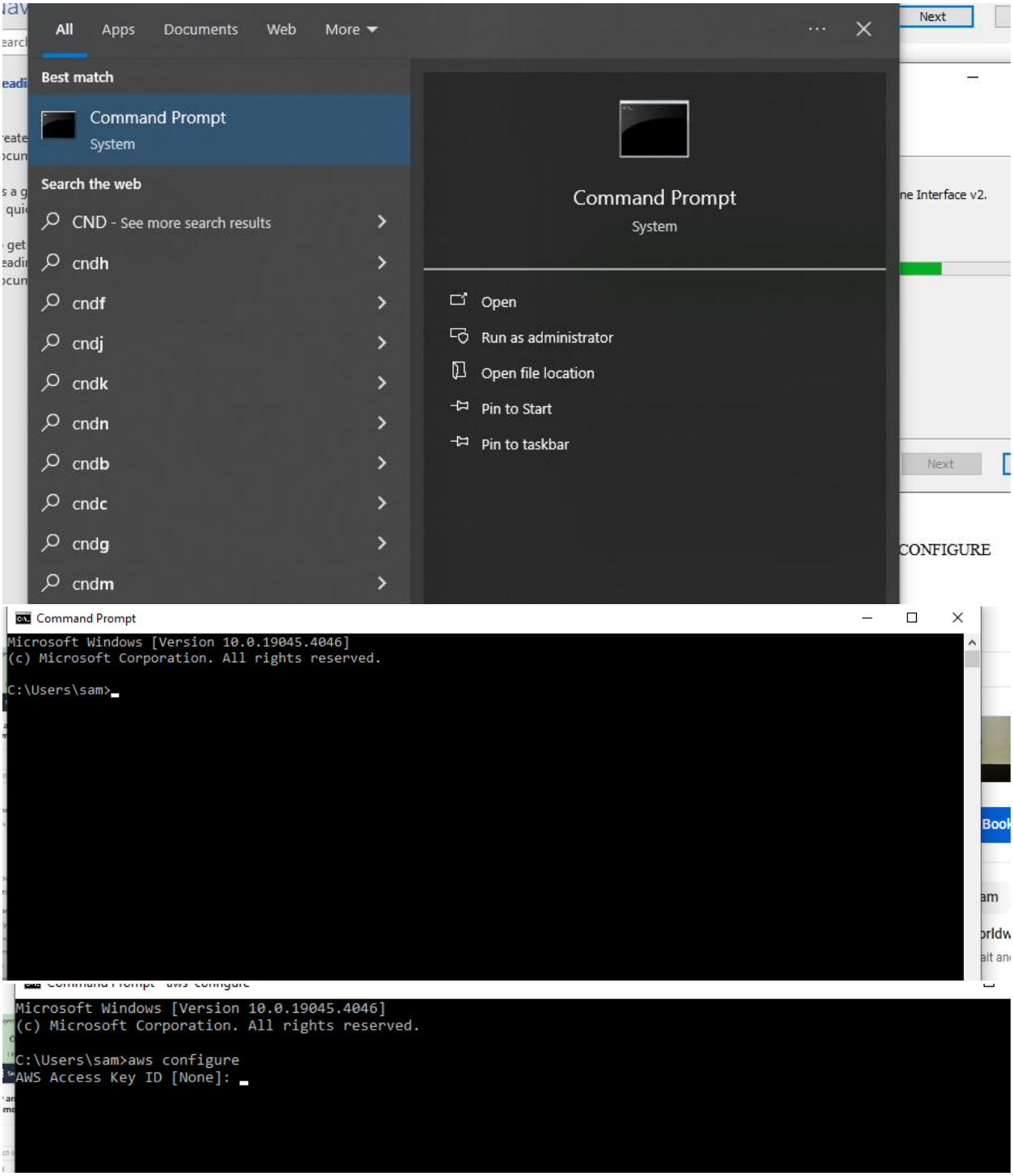
Search in this guide
AWS > Documentation > AWS Command Line Interface > User Guide for Version 2
AWS Command Line Interface
User Guide for Version 2
About the AWS CLI
Get started
Prerequisites
Install/Update
Past releases
Build and install from source
Amazon ECR Public/Docker
Setup
Configure the AWS CLI
Troubleshooting AWS CLI install and uninstall errors
Next steps
AWS CLI install and update instructions
For installation instructions, expand the section for your operating system.
Linux
macOS
Windows
Admin rights to install software
Install or update the AWS CLI
To update your current installation of AWS CLI on Windows, download a new installer each time you update to overwrite previous versions. AWS CLI is updated regularly. To see when the latest version was released, see the AWS CLI version 2 Changelog on GitHub.
1. Download and run the AWS CLI MSI installer for Windows (64-bit):
https://awscli.amazonaws.com/AWSCLIV2.msi
Alternatively, you can run the msiexec command to run the MSI installer.
C:\> msiexec.exe /i https://awscli.amazonaws.com/AWSCL
Recent download history
AWSCLIV2.msi
38.7 MB • Done
Full download history
All Bookmarks
onsole
erences



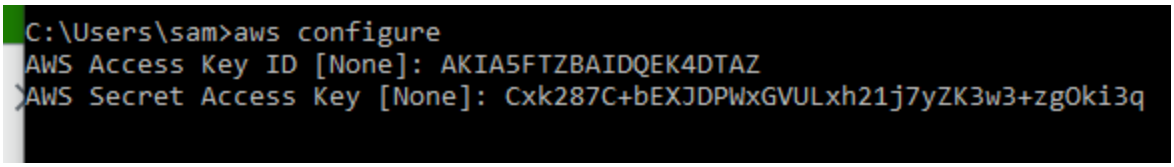

To confirm the installation, open the **Start** menu, search for `cmd` to

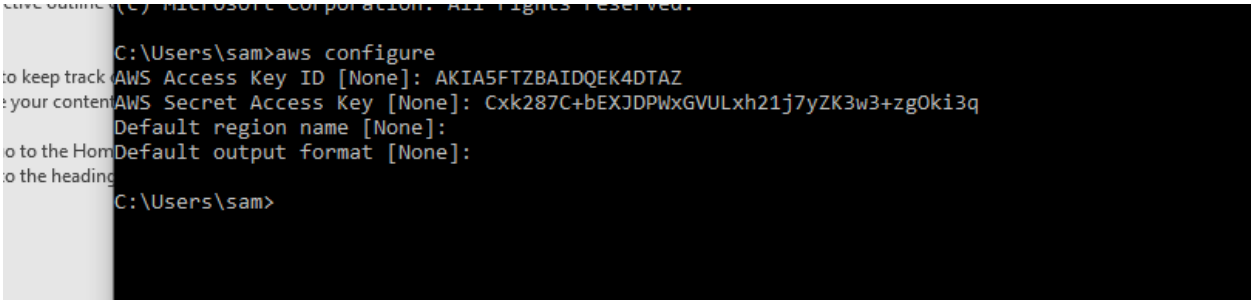


**STEP-4 OPEN CMD AND GIVE COMMAND AWS CONFIGURE**




**Enter your I AM CREATER USER SECURITUY CEREDITIAL**



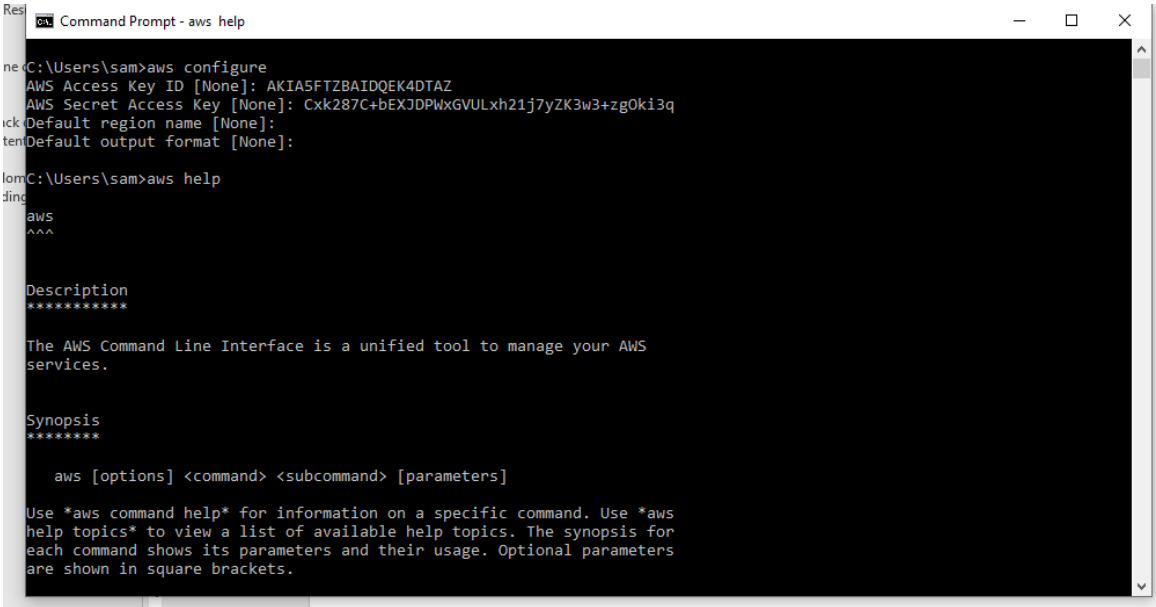

**HERE WE WILL MAKE SURE WE DON'T USE GPT FOR ANY OUR COMMANDS:-**

**LET'S START**

**COMMAND – 1**

**AWS HELP**

**TO KNOW ABOUT AVAILABLE SERVUCE JUST SCROLL DOWN YOU WILL GET EC2**


Command Prompt - aws help
C:\Users\sam>aws configure
AWS Access Key ID [None]: AKIA5FTZBAIDQEK4DTAZ
AWS Secret Access Key [None]: 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
Default region name [None]:
Default output format [None]:
C:\Users\sam>aws help
aws
Description
The AWS Command Line Interface is a unified tool to manage your AWS services.
Synopsis
aws [options] <command> <subcommand> [parameters]
Use *aws command help* for information on a specific command. Use *aws help topics* to view a list of available help topics. The synopsis for each command shows its parameters and their usage. Optional parameters are shown in square brackets.

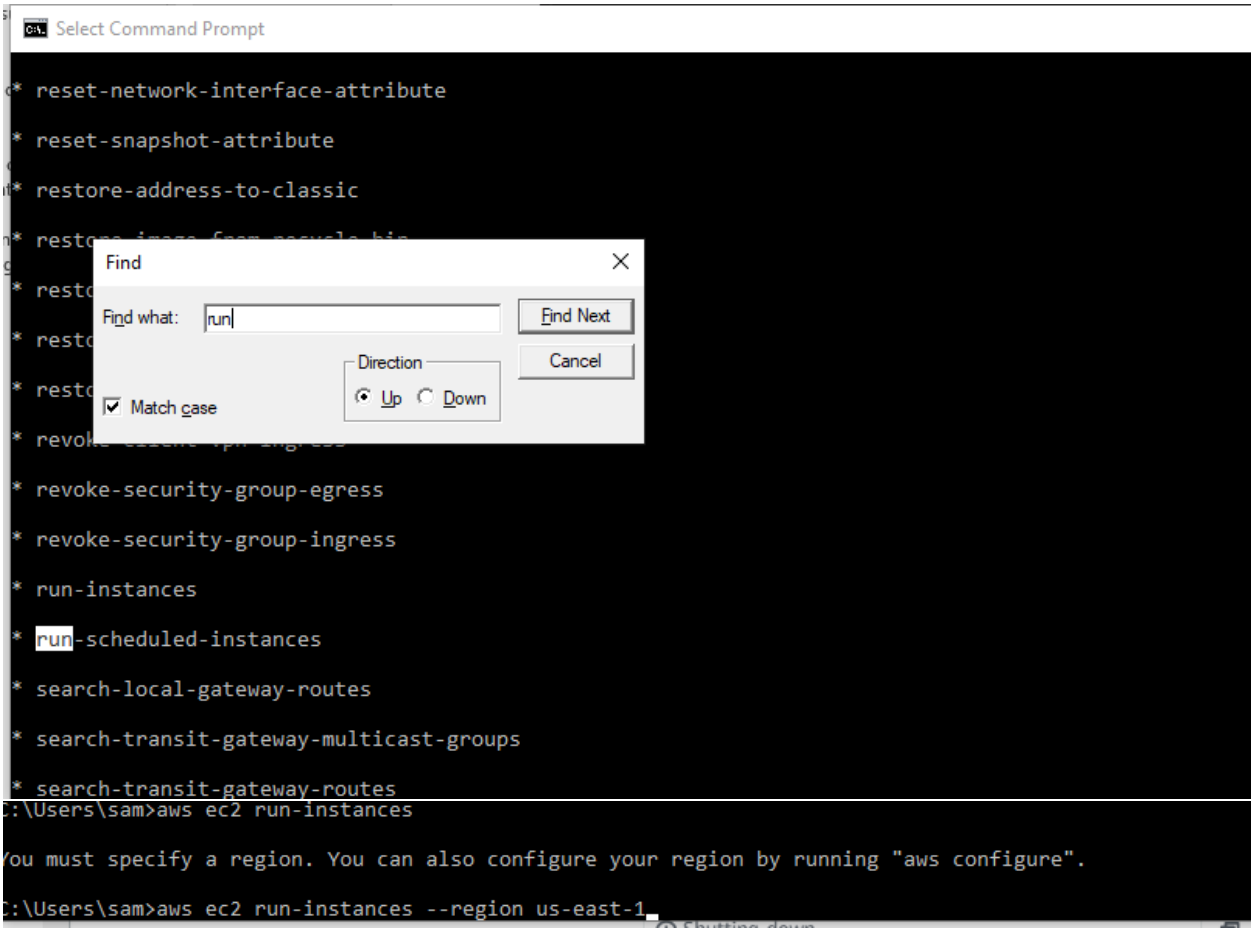

Command Prompt - aws help
Available Services
* accessanalyzer
* account
* acm
* acm-pca
* alexaforbusiness
* amp
* amplify
* amplifybackend
* amplifyuibuilder
* apigateway
* apigatewaymanagementapi
* apigatewayv2
* appconfig
-- More --


**NOW QUIT THESE BY USING Q**

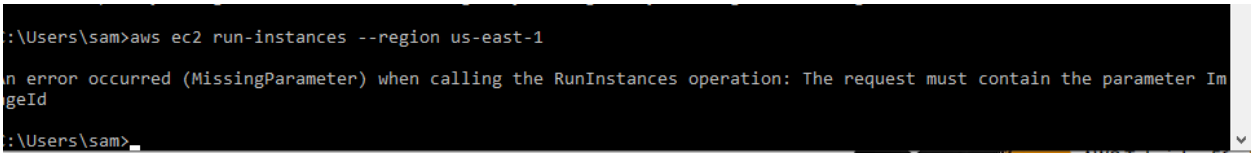
**AND PUT COMMAND 2 –**

**Aws ec2 help**


**NOW look for instance running since we want to LAUNCH INSTANCE**




**SPECIFIED REGION ALSO**




**ERROR OCCUR BECAUSE IN ORDER TO CREATE AB INSTANCE WE NEED AMI ID ,INSTANCE TYPE, REGION SO TO GET THESE JUST ENTER THE COMMAND**

**AWS EC2 RUN-INSTANCE HELP**

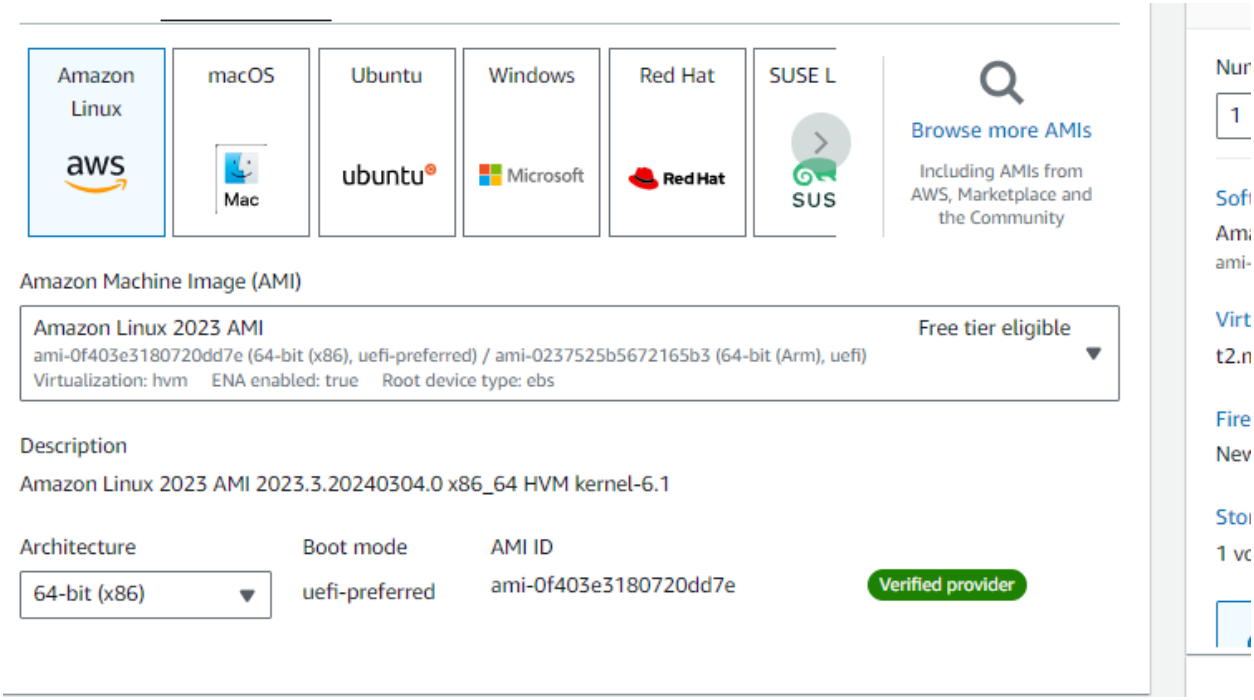
```
C:\Users\sam>aws ec2 run-instances help

run-instances
^^^^^^^^^^^^


Description
***********

Launches the specified number of instances using an AMI for which you
have permissions.

You can specify a number of options, or leave the default options. The
following rules apply:

* If you don't specify a subnet ID, we choose a default subnet from
  your default VPC for you. If you don't have a default VPC, you must
  specify a subnet ID in the request.

* All instances have a network interface with a primary private IPv4
  address. If you don't specify this address, we choose one from the
  IPv4 range of your subnet.

* Not all instance types support IPv6 addresses. For more information,
  see Instance types .
```

Select Command Prompt - aws ec2 run-instances help

```
See also: AWS API Documentation


Synopsis
********

    run-instances
  [--block-device-mappings <value>]
  [--image-id <value>]
  [--instance-type <value>]
  [--ipv6-address-count <value>]
  [--ipv6-addresses <value>]
  [--kernel-id <value>]
  [--key-name <value>]
  [--monitoring <value>]
  [--placement <value>]
  [--ramdisk-id <value>]
  [--security-group-ids <value>]
  [--security-groups <value>]
  [--subnet-id <value>]
  [--user-data <value>]
  [--additional-info <value>]
```

```
******

  run-instances
[--block-device-mappings <value>]
[--image-id <value>]
[--instance-type <value>]
[--ipv6-address-count <value>]
[--ipv6-addresses <value>]
[--kernel-id <value>]
[--key-name <value>]
[--monitoring <value>]
[--placement <value>]
[--ramdisk-id <value>]
[--security-group-ids <value>]
[--security-groups <value>]
[--subnet-id <value>]
```

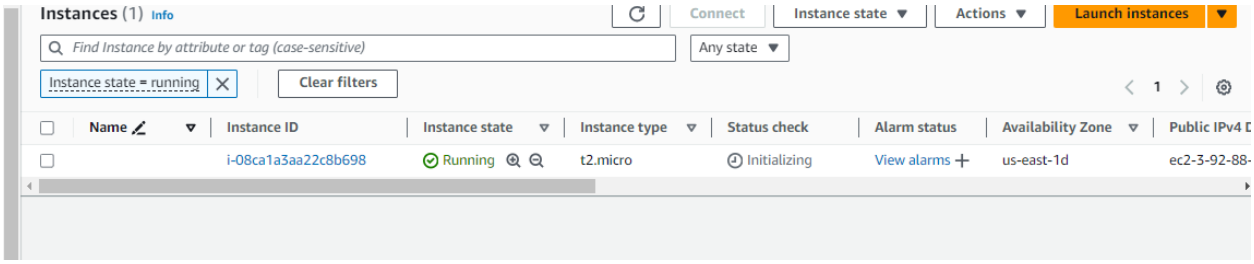
**Command –**




**aws ec2 run-instances –image-id=(your any ami id) –instance-type=t2.micro –region=us-east-1**

```
C:\Users\sam>aws ec2 run-instances --image-id=ami-0f403e3180720dd7e --instance-type=t2.micro --region=us-east-1
{
    "Groups": [],
    "Instances": [
        {
            "AmiLaunchIndex": 0,
            "ImageId": "ami-0f403e3180720dd7e",
            "InstanceId": "i-08ca1a3aa22c8b698",
            "InstanceType": "t2.micro",
            "LaunchTime": "2024-03-13T15:55:03+00:00",
            "Monitoring": {
                "State": "disabled"
            },
            "Placement": {
                "AvailabilityZone": "us-east-1d",
                "GroupName": "",
                "Tenancy": "default"
            },
            "PrivateDnsName": "ip-172-31-19-173.ec2.internal",
```

**We create our ec2 instance now just go to console to check it**




**YOU CAN CROSS VERIFY BY CHECKING THE BOTH INSTANCE ID**