

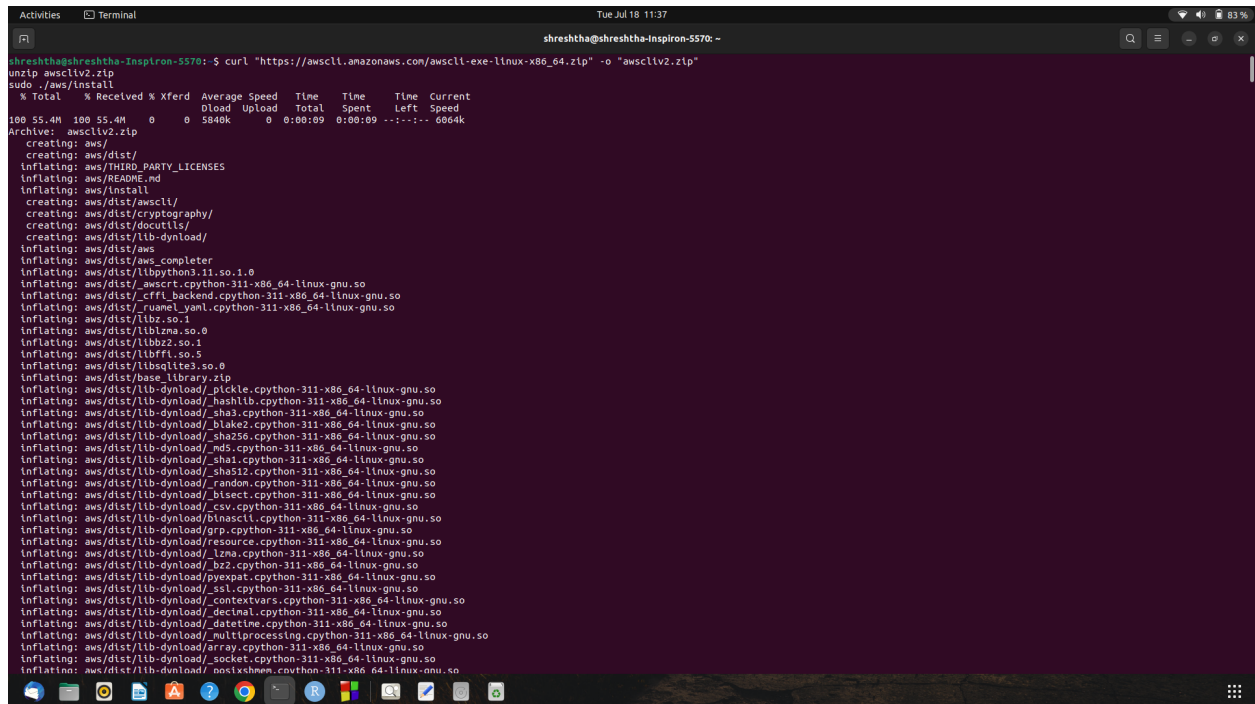
# Installing the AWS CLI for Ubuntu 22.04

Installing and updating the AWS CLI for Linux is fairly easy and adequate documentation is already provided on the aws documents section. The article given below demonstrates the process of installing AWS CLI on Linux

## Step 1) Run the command to download the installation files

(The command given below contains the link to installing AWS CLI from the official amazon website as of 2023 and the link is subject hence it is recommended to check the link before installation)

```
curl "https://awscli.amazonaws.com/awscli-exe-linux-x86_64.zip" -o "awscliv2.zip"
unzip awscliv2.zip
sudo ./aws/install
```



```
shreshtha@shreshtha-Inspiron-5570: ~$ curl "https://awscli.amazonaws.com/awscli-exe-linux-x86_64.zip" -o "awscliv2.zip"
unzip awscliv2.zip
sudo ./aws/install
% Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
           % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
100 55.4M  100 55.4M    0     0  5840k      0  0:00:09  0:00:09 --:--:-- 6064k
Archive: awscliv2.zip
  creating: aws/
  creating: aws/dist/
  inflating: aws/THIRD_PARTY_LICENSES
  inflating: aws/README.md
  inflating: aws/install
  creating: aws/dist/awscli/
  creating: aws/dist/cryptography/
  creating: aws/dist/docutils/
  creating: aws/dist/lib-dynload/
  inflating: aws/dist/aws
  inflating: aws/dist/aws_completer
  inflating: aws/dist/libpython3.11.so.1.0
  inflating: aws/dist/_awscli_cpython-311-x86_64-linux-gnu.so
  inflating: aws/dist/_cffi_backend.cpython-311-x86_64-linux-gnu.so
  inflating: aws/dist/_ruamel_yaml.cpython-311-x86_64-linux-gnu.so
  inflating: aws/dist/libz.so.1
  inflating: aws/dist/liblzma.so.0
  inflating: aws/dist/libbz2.so.1
  inflating: aws/dist/libbfl.so.5
  inflating: aws/dist/libsqlite3.so.0
  inflating: aws/dist/base_library.zip
  inflating: aws/dist/lib-dynload/pickle.cpython-311-x86_64-linux-gnu.so
  inflating: aws/dist/lib-dynload/hashlib.cpython-311-x86_64-linux-gnu.so
  inflating: aws/dist/lib-dynload/sha3.cpython-311-x86_64-linux-gnu.so
  inflating: aws/dist/lib-dynload/blake2.cpython-311-x86_64-linux-gnu.so
  inflating: aws/dist/lib-dynload/sha256.cpython-311-x86_64-linux-gnu.so
  inflating: aws/dist/lib-dynload/md5.cpython-311-x86_64-linux-gnu.so
  inflating: aws/dist/lib-dynload/sha1.cpython-311-x86_64-linux-gnu.so
  inflating: aws/dist/lib-dynload/sha512.cpython-311-x86_64-linux-gnu.so
  inflating: aws/dist/lib-dynload/random.cpython-311-x86_64-linux-gnu.so
  inflating: aws/dist/lib-dynload/bisect.cpython-311-x86_64-linux-gnu.so
  inflating: aws/dist/lib-dynload/csv.cpython-311-x86_64-linux-gnu.so
  inflating: aws/dist/lib-dynload/binascii.cpython-311-x86_64-linux-gnu.so
  inflating: aws/dist/lib-dynload/grp.cpython-311-x86_64-linux-gnu.so
  inflating: aws/dist/lib-dynload/resource.cpython-311-x86_64-linux-gnu.so
  inflating: aws/dist/lib-dynload/uuid.cpython-311-x86_64-linux-gnu.so
  inflating: aws/dist/lib-dynload/bz2.cpython-311-x86_64-linux-gnu.so
  inflating: aws/dist/lib-dynload/pyexpat.cpython-311-x86_64-linux-gnu.so
  inflating: aws/dist/lib-dynload/ssl.cpython-311-x86_64-linux-gnu.so
  inflating: aws/dist/lib-dynload/contextvars.cpython-311-x86_64-linux-gnu.so
  inflating: aws/dist/lib-dynload/decimal.cpython-311-x86_64-linux-gnu.so
  inflating: aws/dist/lib-dynload/datetime.cpython-311-x86_64-linux-gnu.so
  inflating: aws/dist/lib-dynload/multiprocessing.cpython-311-x86_64-linux-gnu.so
  inflating: aws/dist/lib-dynload/array.cpython-311-x86_64-linux-gnu.so
  inflating: aws/dist/lib-dynload/socket.cpython-311-x86_64-linux-gnu.so
  inflating: aws/dist/lib-dynload/_socketshim.cpython-311-x86_64-linux-gnu.so
```

During the installation, the prompt will ask you to enter your password and then the installation will be completed and you will be greeted with a message similar to this

```
Activities Terminal Tue Jul 18 11:38 shreshtha@shreshtha-Inspiron-5570: -
creating: aws/dist/docutils/writers/odf_odt/
creating: aws/dist/docutils/writers/pep_html/
creating: aws/dist/docutils/writers/ss_html/
creating: aws/dist/docutils/writers/ss_html/themes/
creating: aws/dist/docutils/writers/ss_html/themes/big-black/
creating: aws/dist/docutils/writers/ss_html/themes/big-white/
creating: aws/dist/docutils/writers/ss_html/themes/default/
creating: aws/dist/docutils/writers/ss_html/themes/medium-black/
creating: aws/dist/docutils/writers/ss_html/themes/medium-white/
creating: aws/dist/docutils/writers/ss_html/themes/small-black/
creating: aws/dist/docutils/writers/ss_html/themes/small-white/
inflating: aws/dist/docutils/writers/ss_html/themes/README.txt
inflating: aws/dist/docutils/writers/ss_html/themes/default/pretty.css
inflating: aws/dist/docutils/writers/ss_html/themes/default/slides.css
inflating: aws/dist/docutils/writers/ss_html/themes/default/slides.js
inflating: aws/dist/docutils/writers/ss_html/themes/default/framing.css
inflating: aws/dist/docutils/writers/ss_html/themes/default/print.css
inflating: aws/dist/docutils/writers/ss_html/themes/default/opera.css
inflating: aws/dist/docutils/writers/ss_html/themes/default/outline.css
inflating: aws/dist/docutils/writers/ss_html/themes/small-white/pretty.css
inflating: aws/dist/docutils/writers/ss_html/themes/small-white/framing.css
inflating: aws/dist/docutils/writers/ss_html/themes/medium-black/_base_
inflating: aws/dist/docutils/writers/ss_html/themes/medium-black/pretty.css
inflating: aws/dist/docutils/writers/ss_html/themes/big-black/pretty.css
inflating: aws/dist/docutils/writers/ss_html/themes/big-black/_base_
inflating: aws/dist/docutils/writers/ss_html/themes/big-black/framing.css
inflating: aws/dist/docutils/writers/ss_html/themes/small-black/pretty.css
inflating: aws/dist/docutils/writers/ss_html/themes/small-black/_base_
inflating: aws/dist/docutils/writers/ss_html/themes/medium-white/framing.css
inflating: aws/dist/docutils/writers/ss_html/themes/medium-white/pretty.css
inflating: aws/dist/docutils/writers/ss_html/themes/big-white/framing.css
inflating: aws/dist/docutils/writers/ss_html/themes/big-white/pretty.css
inflating: aws/dist/docutils/writers/html5_polyglot/math.css
inflating: aws/dist/docutils/writers/html5_polyglot/responsive.css
inflating: aws/dist/docutils/writers/html5_polyglot/platin.css
inflating: aws/dist/docutils/writers/html5_polyglot/tufte.css
inflating: aws/dist/docutils/writers/html5_polyglot/template.txt
inflating: aws/dist/docutils/writers/html5_polyglot/minimal.css
inflating: aws/dist/docutils/writers/odf_odt/styles.odt
inflating: aws/dist/docutils/writers/latex2/titlingpage.tex
inflating: aws/dist/docutils/writers/latex2/xelatex.tex
inflating: aws/dist/docutils/writers/latex2/titlepage.tex
inflating: aws/dist/docutils/writers/latex2/docutils.sty
inflating: aws/dist/docutils/writers/latex2/default.tex
inflating: aws/dist/docutils/writers/pep_html/template.txt
inflating: aws/dist/docutils/writers/pep_html/pep.css
inflating: aws/dist/docutils/writers/html4css1/template.txt
inflating: aws/dist/docutils/writers/html4css1/html4css1.css
[sudo] password for shreshtha:
You can now run: /usr/local/bin/aws --version
shreshtha@shreshtha-Inspiron-5570: $
```

# Step 2) Verifying the install

In order to verify the install on a linux based system, please download the GNUPG available at the site <https://www.gnupg.org/download/index.html> after download, please extract the folder.

- Go into your terminal and type

I prefer the nano text editor because it is compatible with Ubuntu and also because it is the text editor that I am the most comfortable with. Please feel free to substitute the editor of your choice

```
sudo nano test.txt
```

- After that, an editor pane should open and copy and paste the following text into the file

-----BEGIN PGP PUBLIC KEY BLOCK-----

```
mQINBF2Cr7UBEADJZHcgusOJl7ENSyumXh85z0TRV0xJorM2B/JL0kHOyigQluUG
ZMLhENaG0bYatdrKP+3H91lvK050pXwnO/R7fB/FSTouki4ciIx5OuLlnJZlXszx
PqGl0mkxImLNBGWoi6Lto0LYxqHN2iQtzlwTVmq9733zd3XfcXrZ3+LbLHAgEt5G
TfNxEKJ8soPLyWmwDH6HWCnjZ/aIQRBTIQ05uVeEoYxSh6wOai7ss/KveoSNBbYz
gbdzoqI2Y8cgH2nbfgp3DSasaLZEdCSsIsK1u05CinE7k2qZ7KgKAUIcT/cR/grk
C6VwsnDU00UCideXcQ8WeHutqvZHIJgKDbznoIzeQHJD238GEu+eKhRHcz8/jeG
94zkcqJ0z3KbZGYMiTh277Fvj9zzvZsbMBCedV1BTg3TqgvdX4bdkhf5cH+7NtWO
lrFj6UwAsGukBTA0xCOl/dnSmZhJ7Z1KmeWilro/gOrjtOxqRQutllqG22TaqoPG
```

```
fYVN+en3Zwbt97kcgZDwqbuykNt64oZWc4XKCa3mprEGC3IbJTBfoglXmZ7l9ywG
EEUJYOlb2XrSuPWml39beWdKM8kzr1OjnlOm6+lpTRCBfo0wa9F8YZRhHPAkwKkX
XDeOGpWRj4ohOx0d2GWkyV5xyN14p2tQOCdOODmz80yUTgRpPVQUtOEhXQARAQAB
tCFBV1MgQ0xJIFRlYW0gPGF3cy1jbGlAYW1hem9uLmNvbT6JAIQEEwEIAD4WIQT7
Xbd/1cEYUaURraimMQRMRnJHXAUCXYKvtQIbAwUJB4TOAAULCQgHAgYVCgkICwIE
FgIDAQIeAQIXgAAKCRcmMQRMRnJHXJIXEACHLUIkg80uPUkGjE3jejvQSA1aWuAM
yzy6fdpdIRUz6M6nmsUhOExjVIvibEJpzK5mhuSZ4lb0vJ2ZUPgCv4zs2nBd7BGJ
MxKiWgBReGvTdQZ0SzyYH4PYCJSE732x/Fw9hfnh1dMTXNcrQXzwOmmFNNegG0Ox
au+VnpcR5Kz3smiTrIwZbRudo1ijhCYPQ7t5CMP9kjC6bObvy1hSIg2xNbMAN/Do
ikebAl36uA6Y/Uczjj3GxZW4ZWeFirmidKbtqvUz2y0UFszobjiBSqZZHCreC34B
hw9bFNpuWC/0SrXgohdsc6vK50pDGdV5kM2qo9tMQ/izsAwTh/d/GzZv8H4lV9eO
tEis+EpR497PaxKKh9tJf0N6Q1YLRHof5xePZtOIS3gfvsH5hXA3HJ9yIxb8T0H
QYmVr3aIUes20i6meI3fuV36VFupwfrTKaL7VXnsrK2fq5cRvyJLNzXucg0WAjPF
RrAGLzY7nP1xeg1a0aeP+pdsqjqlPJom8OCWc1+6DWbg0jsC74WoesAqgBIODMB
rsallY/q+bPzpsnWjzHV8+1/EtZmSc8ZUGSJOPkfC7hObnfkl18h+1QtKTjZme4d
H17gsBJr+opwJw/Zio2LMjQBOqlm3K1A4zFTh7wBC7He6KPQealP2XAMgtvATtNe
YLZATHZKTJyiqA==
=vYOk
-----END PGP PUBLIC KEY BLOCK-----
```

When you are done pasting the text in the file, save and exit the editor. The next step is to verify the downloaded signature using the command and installing the AWS CLI signature file for the downloaded package

```
gpg --import test.txt
curl -o awscli2.sig https://awscli.amazonaws.com/awscli-exe-linux-x86_64.zip.sig
```

```
Activities Terminal Tue Jul 18 11:48 shreshtha@shreshtha-Inspiron-5570: -
shreshtha@shreshtha-Inspiron-5570:~$ gpg --import test.txt
gpg: key A6310ACC4672475C: public key "AWS CLI Team <aws-cli@amazon.com>" imported
gpg: Total number processed: 1
gpg:      imported: 1
shreshtha@shreshtha-Inspiron-5570:~$ curl -o awscli2.sig https://awscli.amazonaws.com/awscli-exe-linux-x86_64.zip.sig
% Total % Received % Xferd Average Speed Time Time Time Current
Dload Upload Total Spent Left Speed
100 566 100 566 0 0 2794 0 --:--:-- --:--:-- --:--:-- 2801
shreshtha@shreshtha-Inspiron-5570:~$
```

After the download of the signature, the next step is to verify the signatures using the gpg command. If everything goes well, you should end up with output like this( warnings are usually not a matter of concern here. )

```
Activities Terminal Tue Jul 18 11:51 shreshtha@shreshtha-Inspiron-5570: -
shreshtha@shreshtha-Inspiron-5570:~$ gpg --import test.txt
gpg: key A6310ACC4672475C: public key "AWS CLI Team <aws-cli@amazon.com>" imported
gpg: Total number processed: 1
gpg:      imported: 1
shreshtha@shreshtha-Inspiron-5570:~$ curl -o awscli2.sig https://awscli.amazonaws.com/awscli-exe-linux-x86_64.zip.sig
% Total % Received % Xferd Average Speed Time Time Time Current
Dload Upload Total Spent Left Speed
100 566 100 566 0 0 2794 0 --:--:-- --:--:-- --:--:-- 2801
shreshtha@shreshtha-Inspiron-5570:~$ gpg --verify awscli2.sig awscli2.zip
gpg: Signature made Friday 14 July 2023 03:47:57 AM IST
gpg: using RSA key FB5DB77F D5C1 18B8 8511 ADAB A631 0ACC 4672 475C
gpg: Good signature from "AWS CLI Team <aws-cli@amazon.com>" [unknown]
gpg: WARNING: This key is not certified with a trusted signature!
gpg: There is no indication that the signature belongs to the owner.
Primary key fingerprint: FB5D B77F D5C1 18B8 8511 ADAB A631 0ACC 4672 475C
shreshtha@shreshtha-Inspiron-5570:~$
```

After successful verification, next step is to unzip our downloaded files using the command

## Step 3) Installing and unzipping the CLI

```
unzip awscliv2.zip
```

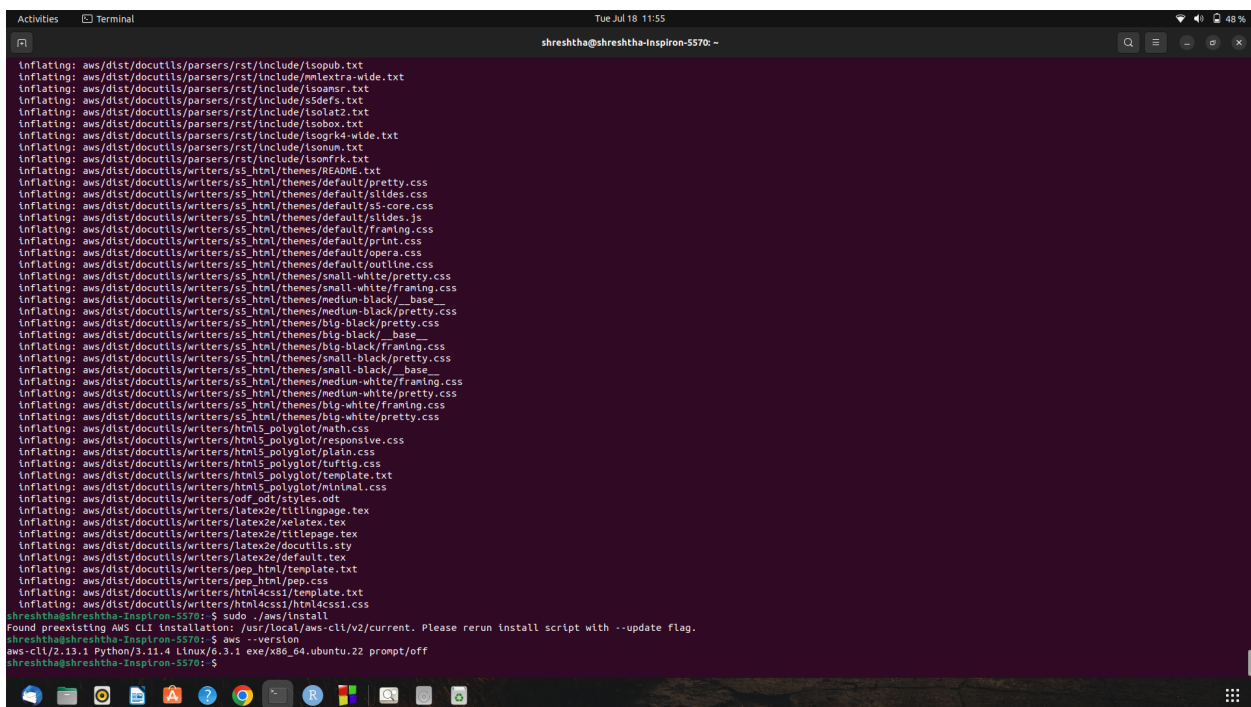
After that, install via the sudo

```
sudo ./aws/install
```

## Step 4) Confirming the installation

You can confirm the installation using

```
aws --version
```



```
shreshtha@shreshtha-Inspiron-5570: ~$ sudo ./aws/install
Inflating: aws/dlst/docutils/parsers/rst/include/Isopub.txt
Inflating: aws/dlst/docutils/parsers/rst/include/mnextra-wlde.txt
Inflating: aws/dlst/docutils/parsers/rst/include/isoamr.txt
Inflating: aws/dlst/docutils/parsers/rst/include/sdefs.txt
Inflating: aws/dlst/docutils/parsers/rst/include/Isolat2.txt
Inflating: aws/dlst/docutils/parsers/rst/include/Isobox.txt
Inflating: aws/dlst/docutils/parsers/rst/include/Isogr4-wlde.txt
Inflating: aws/dlst/docutils/parsers/rst/include/Isomun.txt
Inflating: aws/dlst/docutils/parsers/rst/include/Isomfrk.txt
Inflating: aws/dlst/docutils/writers/s5_html/themes/README.txt
Inflating: aws/dlst/docutils/writers/s5_html/themes/default/pretty.css
Inflating: aws/dlst/docutils/writers/s5_html/themes/default/slides.css
Inflating: aws/dlst/docutils/writers/s5_html/themes/default/s5-core.css
Inflating: aws/dlst/docutils/writers/s5_html/themes/default/slides.js
Inflating: aws/dlst/docutils/writers/s5_html/themes/default/framing.css
Inflating: aws/dlst/docutils/writers/s5_html/themes/default/print.css
Inflating: aws/dlst/docutils/writers/s5_html/themes/default/opera.css
Inflating: aws/dlst/docutils/writers/s5_html/themes/default/outline.css
Inflating: aws/dlst/docutils/writers/s5_html/themes/small-white/pretty.css
Inflating: aws/dlst/docutils/writers/s5_html/themes/small-white/framing.css
Inflating: aws/dlst/docutils/writers/s5_html/themes/medium-black/_base_
Inflating: aws/dlst/docutils/writers/s5_html/themes/medium-black/pretty.css
Inflating: aws/dlst/docutils/writers/s5_html/themes/big-black/pretty.css
Inflating: aws/dlst/docutils/writers/s5_html/themes/big-black/_base_
Inflating: aws/dlst/docutils/writers/s5_html/themes/big-black/framing.css
Inflating: aws/dlst/docutils/writers/s5_html/themes/small-black/_base_
Inflating: aws/dlst/docutils/writers/s5_html/themes/medium-white/framing.css
Inflating: aws/dlst/docutils/writers/s5_html/themes/medium-white/pretty.css
Inflating: aws/dlst/docutils/writers/s5_html/themes/big-white/framing.css
Inflating: aws/dlst/docutils/writers/s5_html/themes/big-white/pretty.css
Inflating: aws/dlst/docutils/writers/html5_polyglot/math.css
Inflating: aws/dlst/docutils/writers/html5_polyglot/responsive.css
Inflating: aws/dlst/docutils/writers/html5_polyglot/plain.css
Inflating: aws/dlst/docutils/writers/html5_polyglot/tuftig.css
Inflating: aws/dlst/docutils/writers/html5_polyglot/template.txt
Inflating: aws/dlst/docutils/writers/html5_polyglot/minimal.css
Inflating: aws/dlst/docutils/writers/odf_odt/styles.odt
Inflating: aws/dlst/docutils/writers/latex2e/tillingpage.tex
Inflating: aws/dlst/docutils/writers/latex2e/xelatex.tex
Inflating: aws/dlst/docutils/writers/latex2e/tillingpage.tex
Inflating: aws/dlst/docutils/writers/latex2e/docutils.sty
Inflating: aws/dlst/docutils/writers/latex2e/default.tex
Inflating: aws/dlst/docutils/writers/pep_html/template.txt
Inflating: aws/dlst/docutils/writers/pep_html/pep.css
Inflating: aws/dlst/docutils/writers/html4css1/template.txt
Inflating: aws/dlst/docutils/writers/html4css1/html4css1.css
shreshtha@shreshtha-Inspiron-5570: ~$ sudo ./aws/install
Found preexisting AWS CLI installation: /usr/local/aws-cli/v2/current. Please rerun Install script with --update flag.
shreshtha@shreshtha-Inspiron-5570: ~$ aws --version
aws-cli/2.13.1 Python/3.11.4 Linux/x86_64 ubuntu.22 prompt/off
shreshtha@shreshtha-Inspiron-5570: ~$
```

Thus the AWS CLI has been installed successfully, the CLI can now be configured and is ready to use