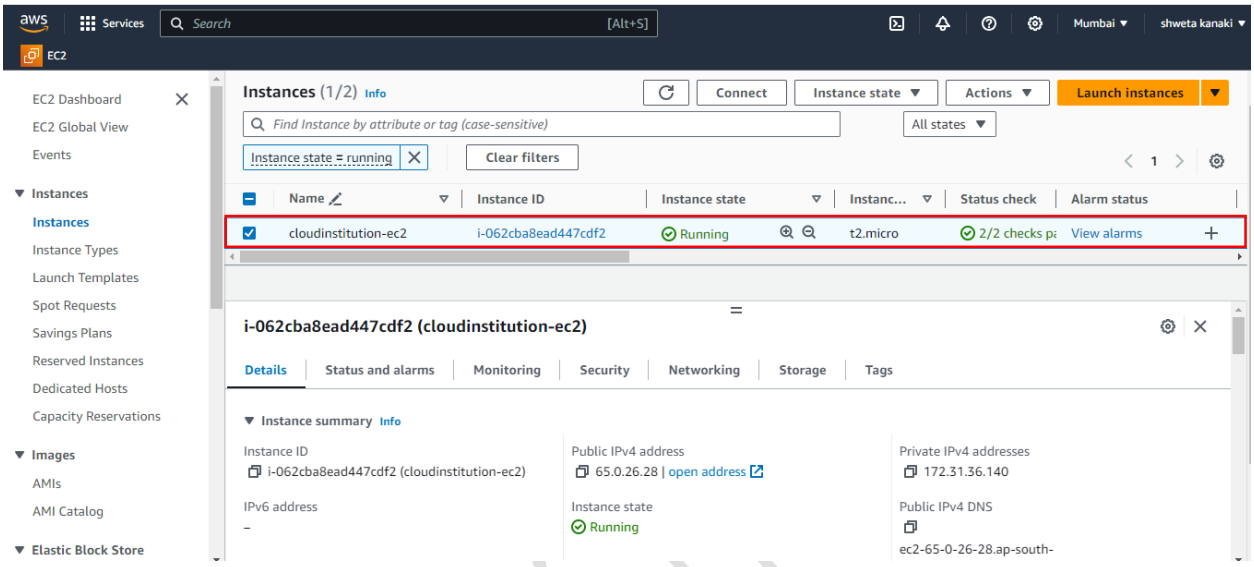
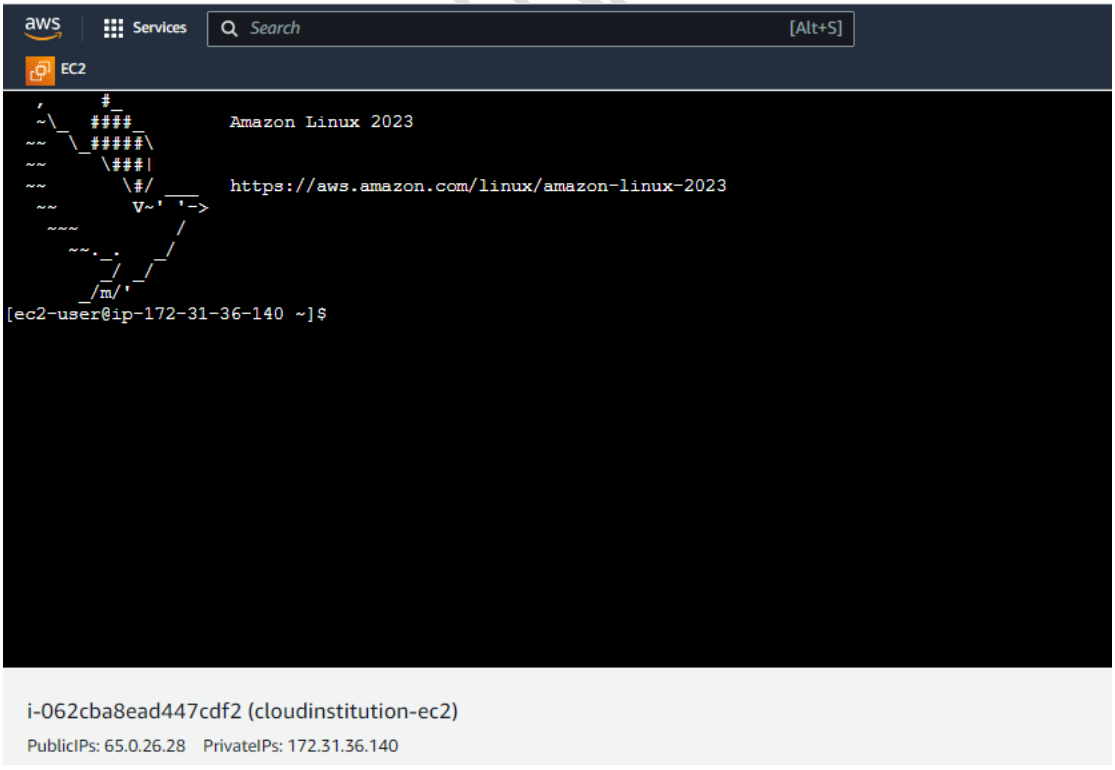
CREATE AND LIST BUCKETS USING AWS CLI

Step 1: Create a ec2 Instance

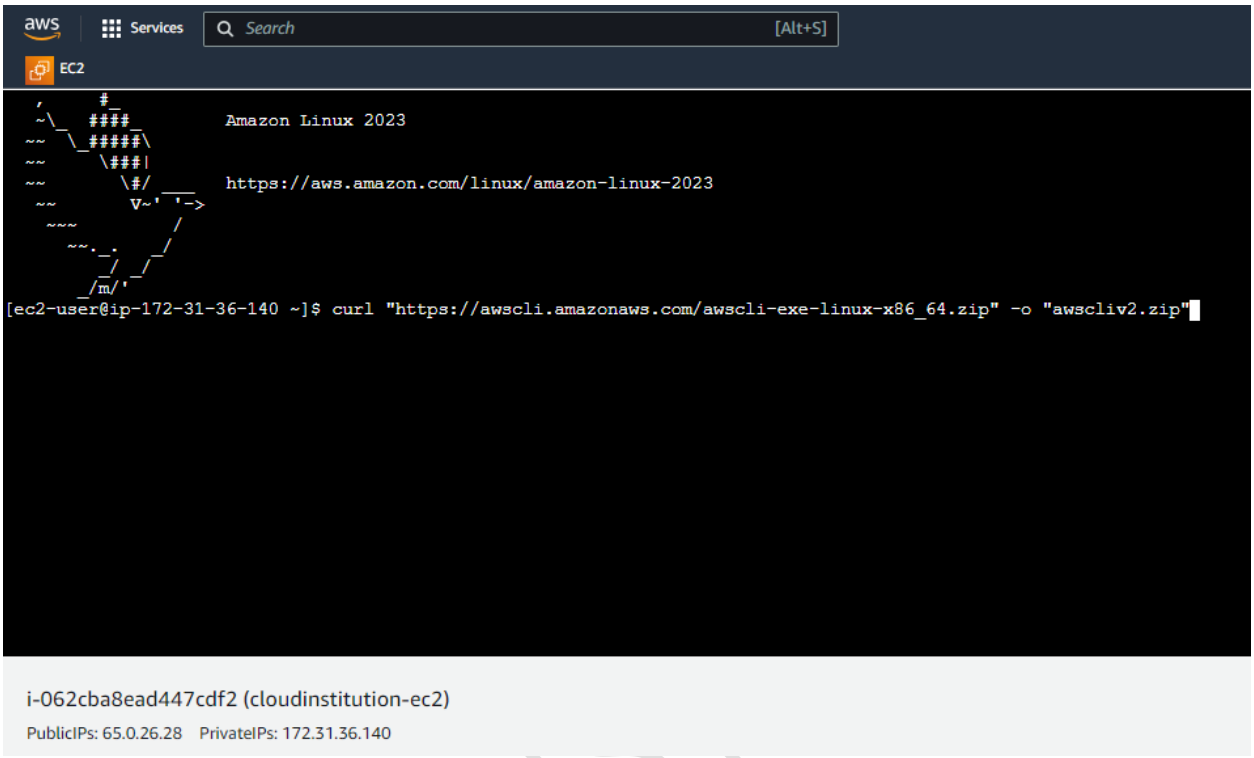


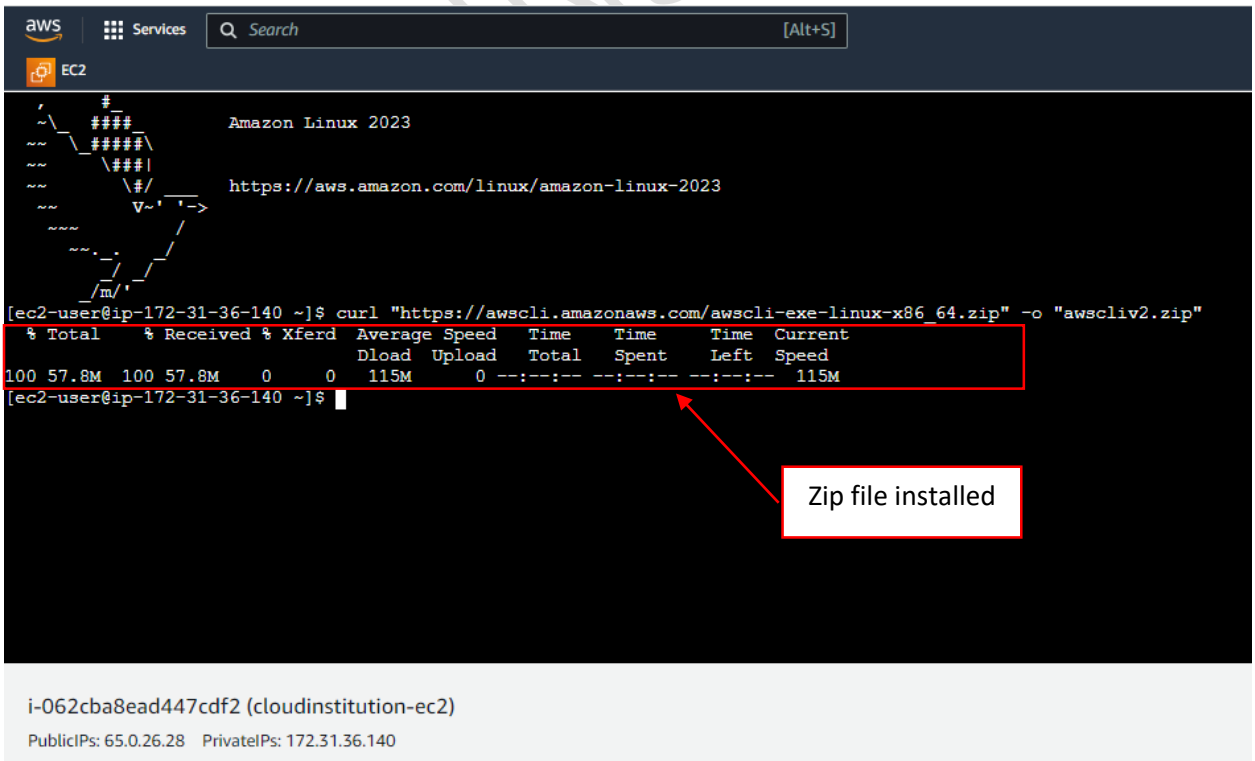
Login to the ec2 instance



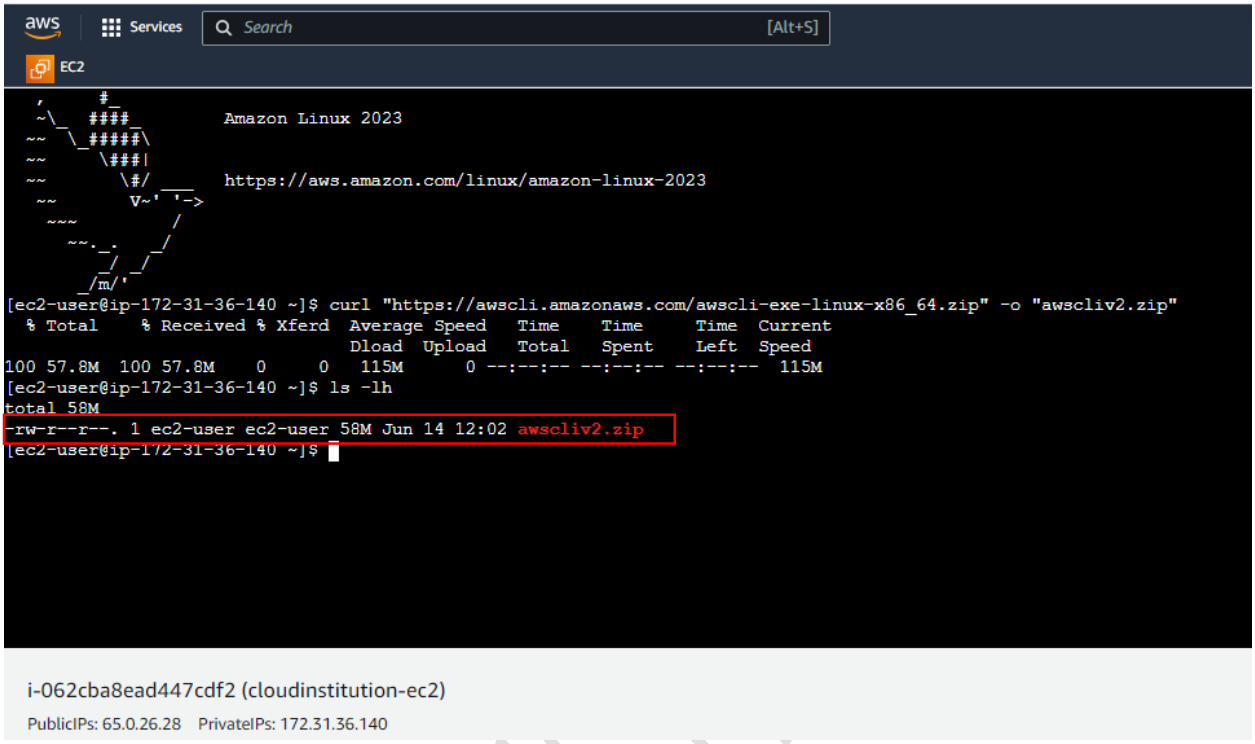
Step 2: To install awscli zip file using the command

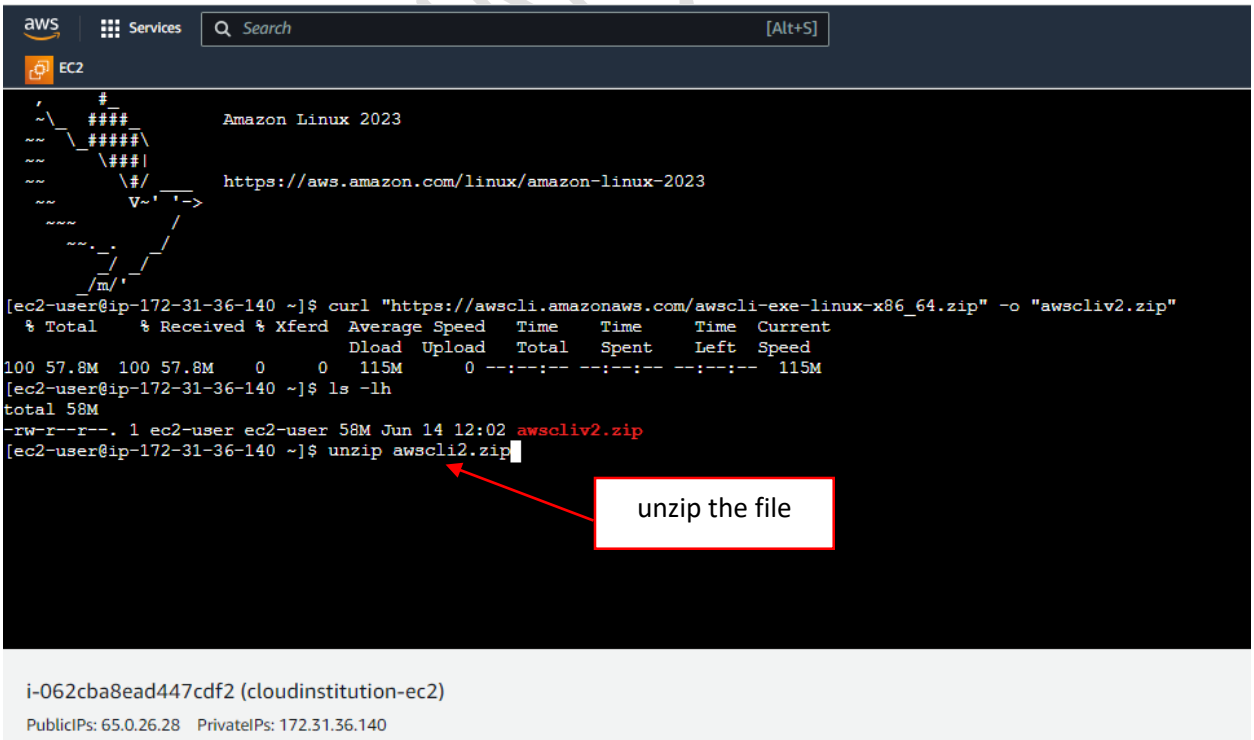
curl "https://awscli.amazonaws.com/awscli-exe-linux-x86_64.zip" -o "awscliv2.zip"

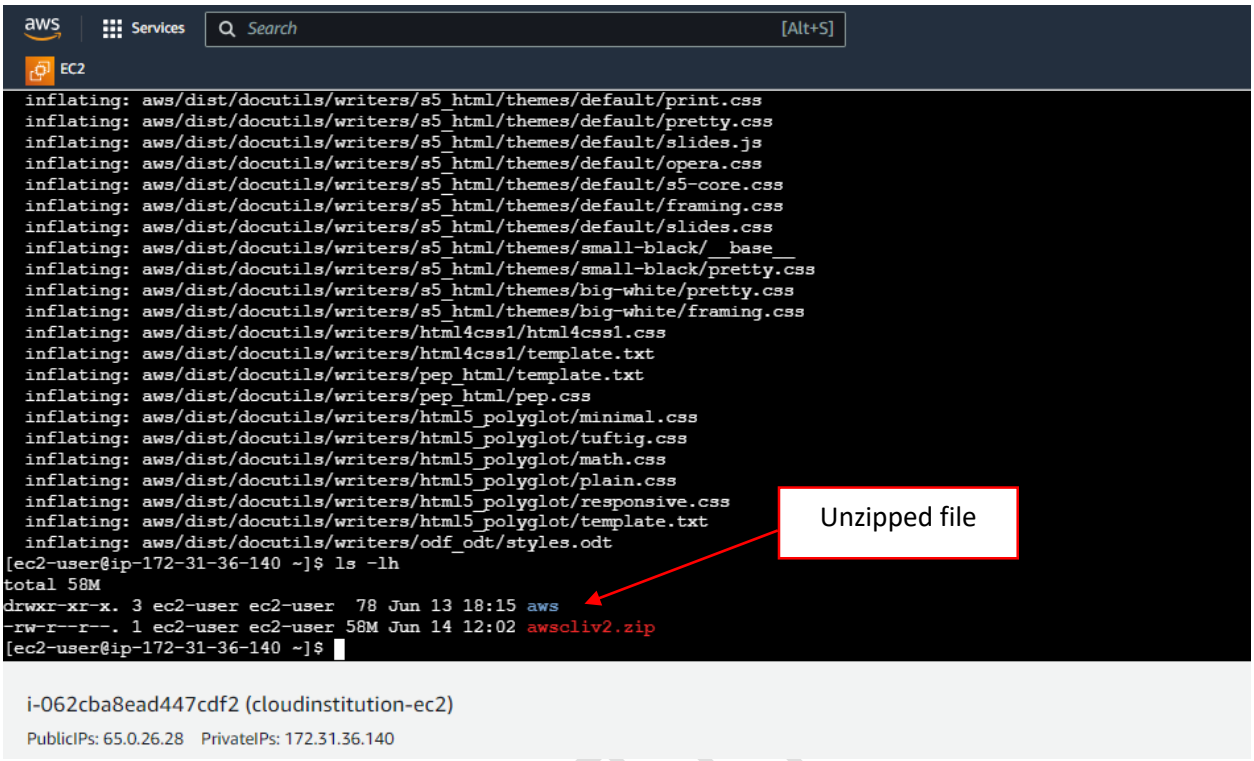




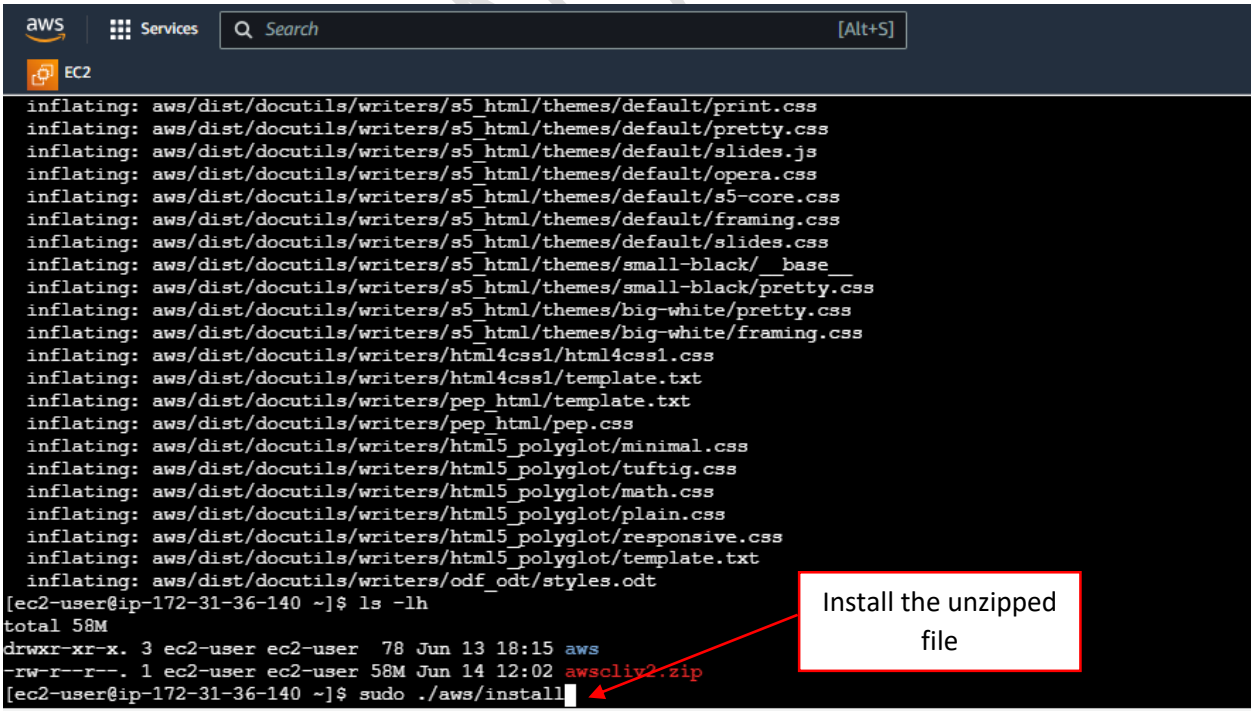
"ls –lh" command is used to list the files and directories in the current directory in a human-readable format.



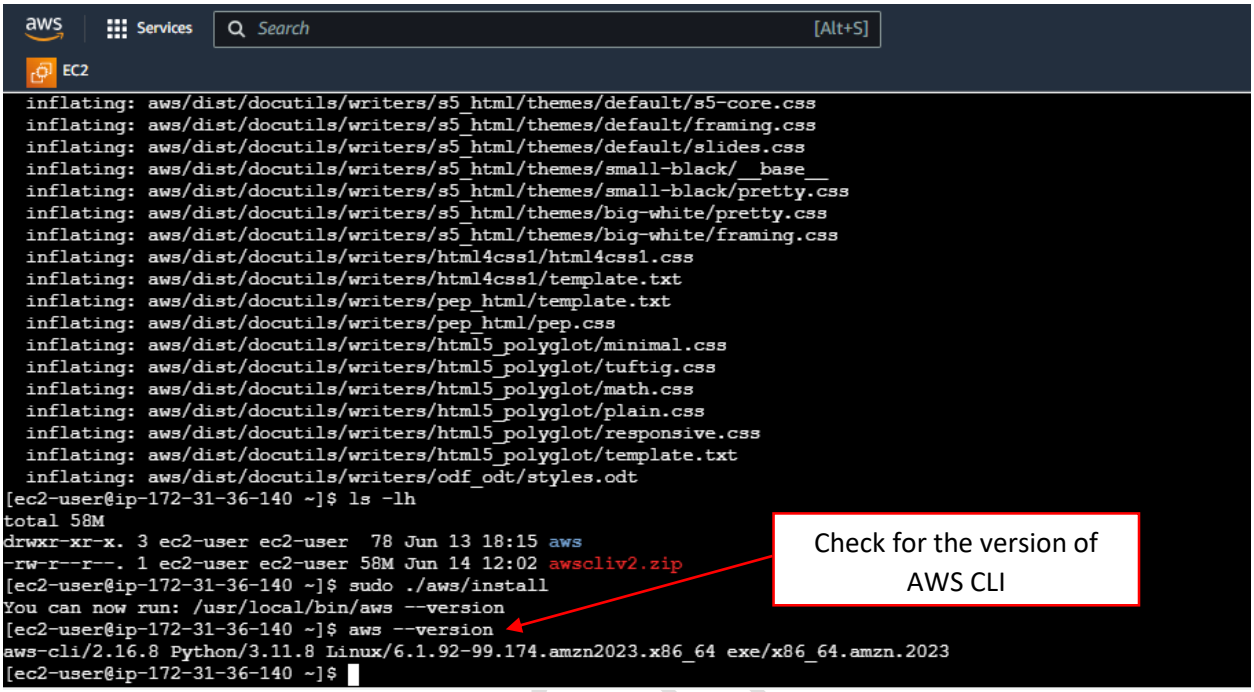


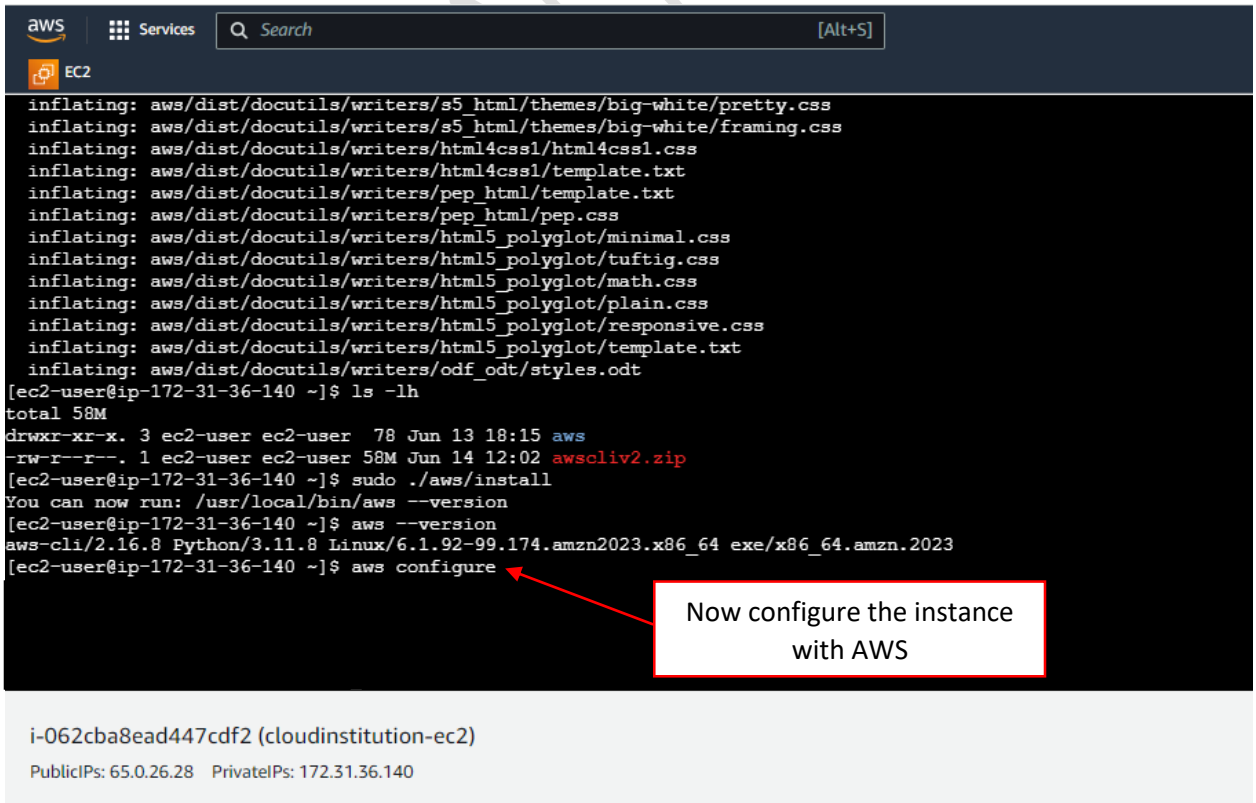


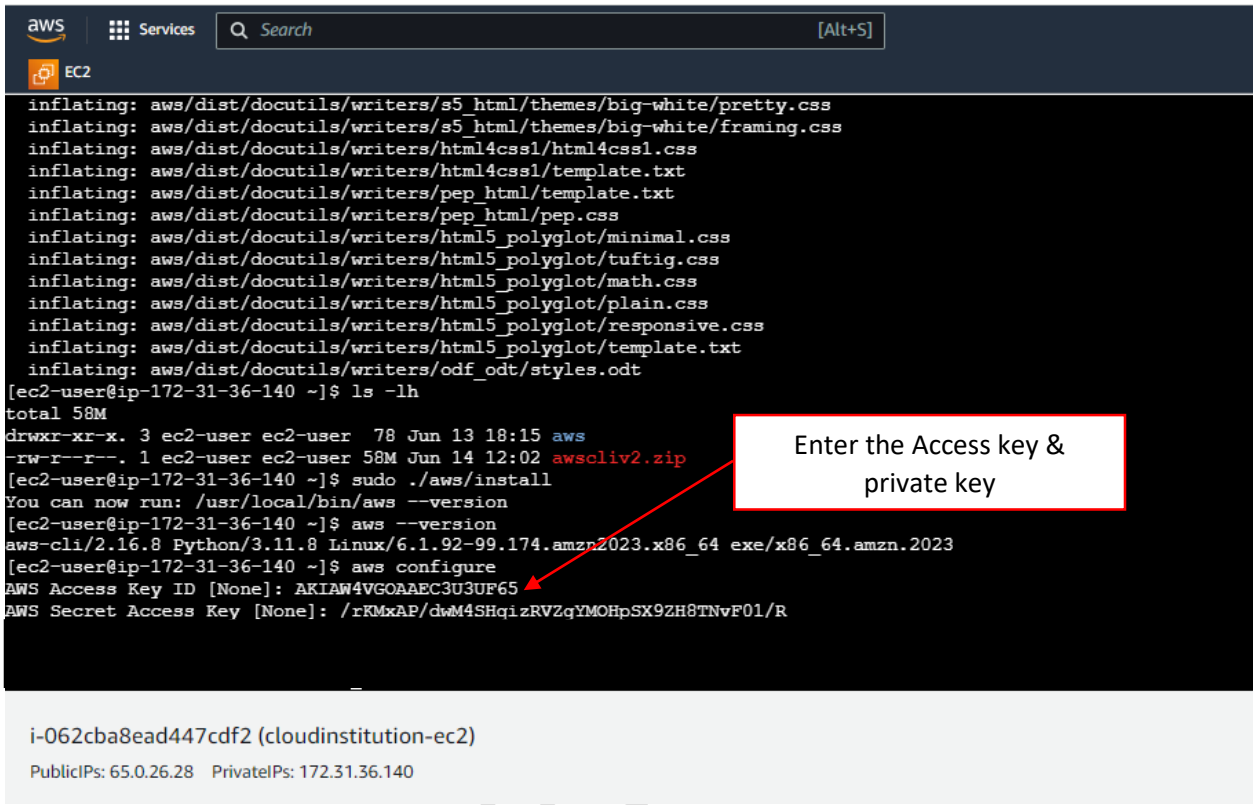
We can use the command **"sudo ./aws/install"** to install the file



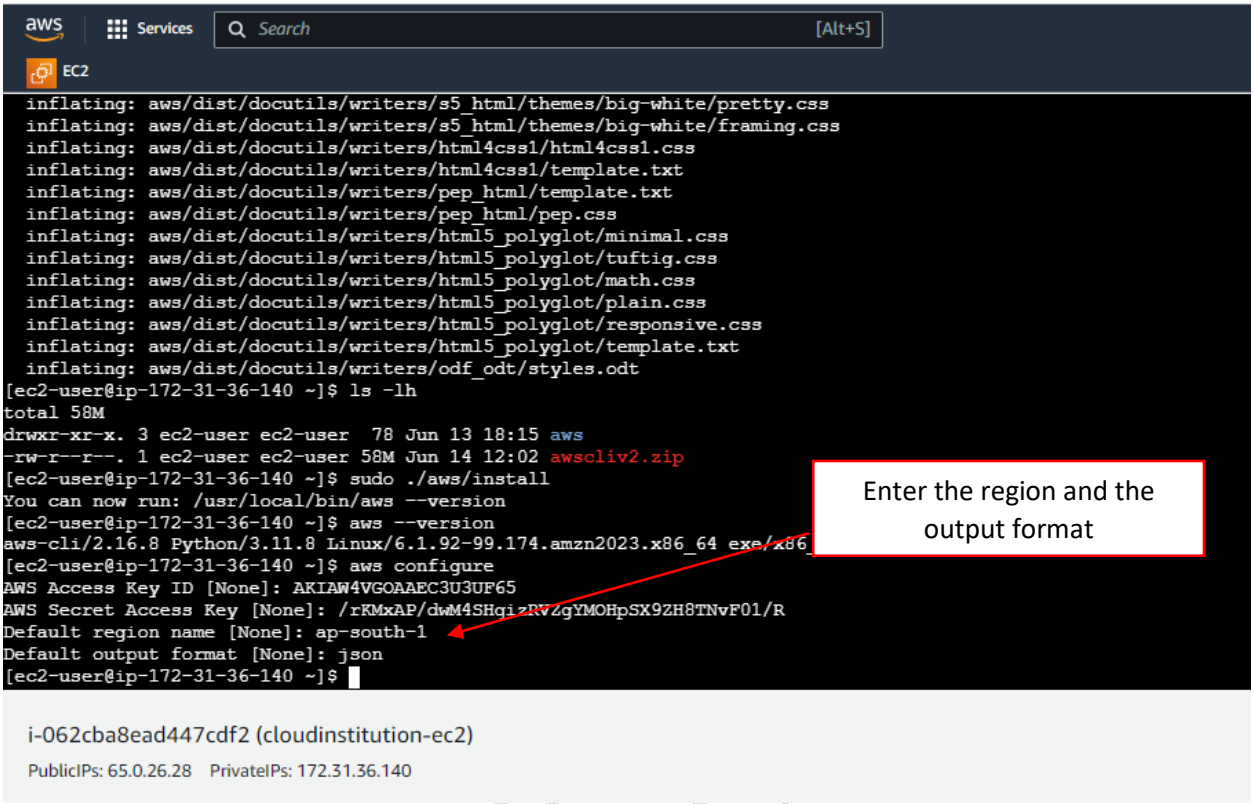
The command **"aws --version"** is used to check the version of AWS CLI

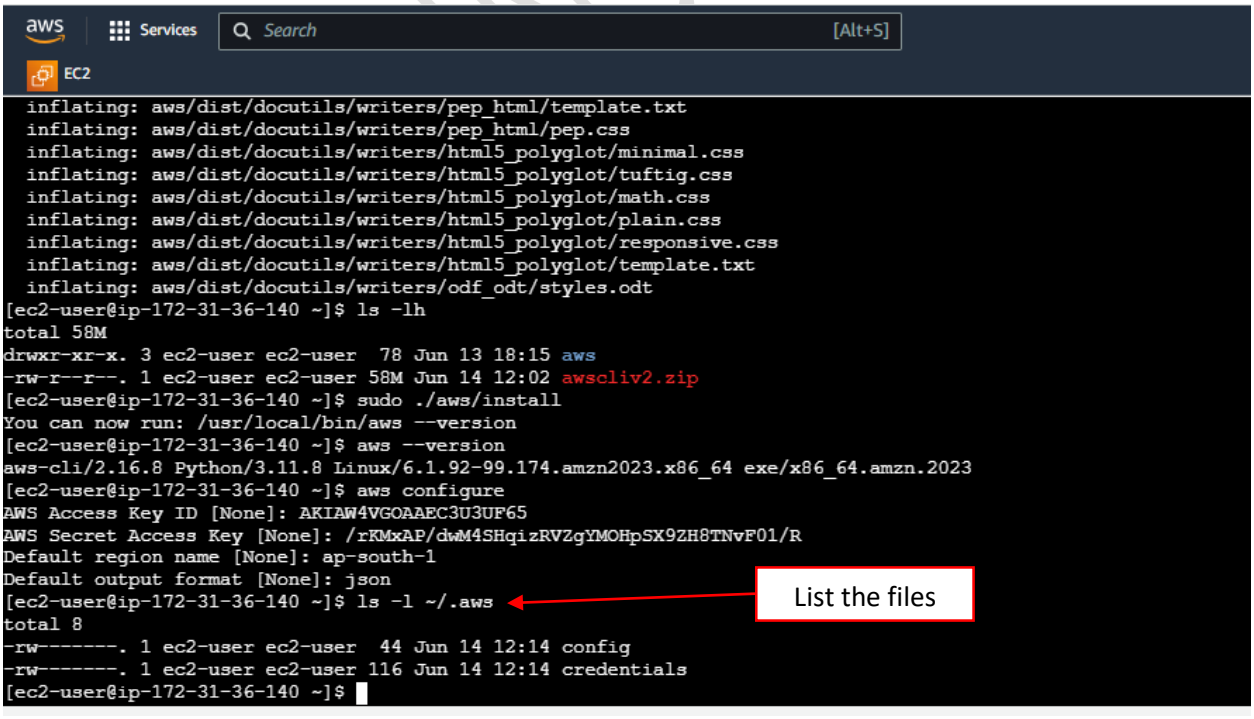






You will find the access key and private key from aws console→ click on your account name→Security credientials→access key


aws
Services
Search
[Alt+S]
EC2
inflating: aws/dist/docutils/writers/s5_html/themes/big-white/pretty.css
inflating: aws/dist/docutils/writers/s5_html/themes/big-white/framing.css
inflating: aws/dist/docutils/writers/html4css1/html4css1.css
inflating: aws/dist/docutils/writers/html4css1/template.txt
inflating: aws/dist/docutils/writers/pep_html/template.txt
inflating: aws/dist/docutils/writers/pep_html/pep.css
inflating: aws/dist/docutils/writers/html5_polyglot/minimal.css
inflating: aws/dist/docutils/writers/html5_polyglot/tuftig.css
inflating: aws/dist/docutils/writers/html5_polyglot/math.css
inflating: aws/dist/docutils/writers/html5_polyglot/plain.css
inflating: aws/dist/docutils/writers/html5_polyglot/responsive.css
inflating: aws/dist/docutils/writers/html5_polyglot/template.txt
inflating: aws/dist/docutils/writers/odf_odt/styles.odt
[ec2-user@ip-172-31-36-140 ~]$ ls -lh
total 58M
drwxr-xr-x. 3 ec2-user ec2-user 78 Jun 13 18:15 aws
-rw-r--r--. 1 ec2-user ec2-user 58M Jun 14 12:02 awscliv2.zip
[ec2-user@ip-172-31-36-140 ~]$ sudo ./aws/install
You can now run: /usr/local/bin/aws --version
[ec2-user@ip-172-31-36-140 ~]$ aws --version
aws-cli/2.16.8 Python/3.11.8 Linux/6.1.92-99.174.amzn2023.x86_64 exe/x86
[ec2-user@ip-172-31-36-140 ~]$ aws configure
AWS Access Key ID [None]: AKIAW4VGOAAEC3U3UF65
AWS Secret Access Key [None]: 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
Default region name [None]: ap-south-1
Default output format [None]: json
[ec2-user@ip-172-31-36-140 ~]$
Enter the region and the output format
i-062cba8ead447cdf2 (cloudinstitution-ec2)
PublicIPs: 65.0.26.28 PrivateIPs: 172.31.36.140


aws
Services
Search
[Alt+S]
EC2
inflating: aws/dist/docutils/writers/pep_html/template.txt
inflating: aws/dist/docutils/writers/pep_html/pep.css
inflating: aws/dist/docutils/writers/html5_polyglot/minimal.css
inflating: aws/dist/docutils/writers/html5_polyglot/tuftig.css
inflating: aws/dist/docutils/writers/html5_polyglot/math.css
inflating: aws/dist/docutils/writers/html5_polyglot/plain.css
inflating: aws/dist/docutils/writers/html5_polyglot/responsive.css
inflating: aws/dist/docutils/writers/html5_polyglot/template.txt
inflating: aws/dist/docutils/writers/odf_odt/styles.odt
[ec2-user@ip-172-31-36-140 ~]$ ls -lh
total 58M
drwxr-xr-x. 3 ec2-user ec2-user 78 Jun 13 18:15 aws
-rw-r--r--. 1 ec2-user ec2-user 58M Jun 14 12:02 awscliv2.zip
[ec2-user@ip-172-31-36-140 ~]$ sudo ./aws/install
You can now run: /usr/local/bin/aws --version
[ec2-user@ip-172-31-36-140 ~]$ aws --version
aws-cli/2.16.8 Python/3.11.8 Linux/6.1.92-99.174.amzn2023.x86_64 exe/x86_64.amzn.2023
[ec2-user@ip-172-31-36-140 ~]$ aws configure
AWS Access Key ID [None]: AKIAW4VGOAAEC3U3UF65
AWS Secret Access Key [None]: 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
Default region name [None]: ap-south-1
Default output format [None]: json
[ec2-user@ip-172-31-36-140 ~]$ ls -l ~/.aws
total 8
-rw-------. 1 ec2-user ec2-user 44 Jun 14 12:14 config
-rw-------. 1 ec2-user ec2-user 116 Jun 14 12:14 credentials
[ec2-user@ip-172-31-36-140 ~]$
List the files

Now create a bucket using the command **“aws s3api create-bucket --bucket <bucket_name> --region us-east-1”**

```
[ec2-user@ip-172-31-36-140 ~]$ aws s3api create-bucket --bucket cloudinstitutionbuck --region us-east-1
{
    "Location": "/cloudinstitutionbuck"
}
[ec2-user@ip-172-31-36-140 ~]$
```

i-062cba8ead447cdf2 (cloudinstitution-ec2)
PublicIPs: 65.0.26.28 PrivateIPs: 172.31.36.140

Similarly create buckets

```
[ec2-user@ip-172-31-36-140 ~]$ aws s3api create-bucket --bucket cloudinstitutionbuck1234 --region us-east-1
{
    "Location": "/cloudinstitutionbuck1234"
}
[ec2-user@ip-172-31-36-140 ~]$ aws s3api create-bucket --bucket cloudinstitution5678 --region us-east-1
{
    "Location": "/cloudinstitution5678"
}
[ec2-user@ip-172-31-36-140 ~]$
```

i-062cba8ead447cdf2 (cloudinstitution-ec2)
PublicIPs: 65.0.26.28 PrivateIPs: 172.31.36.140

To list the buckets created, use the command **“aws s3 ls”**

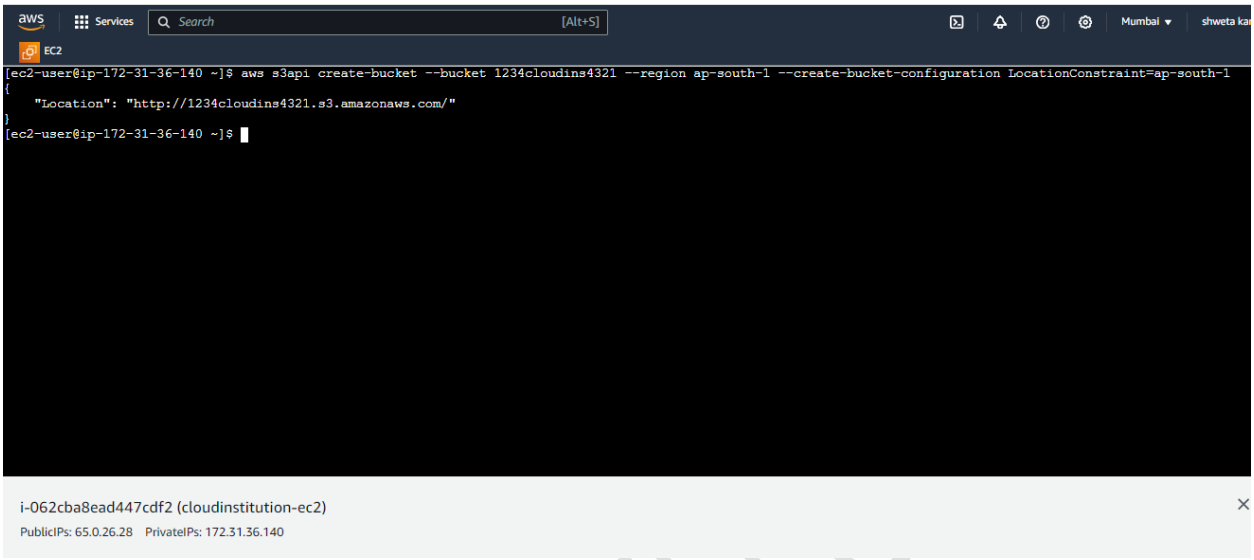
```
[ec2-user@ip-172-31-36-140 ~]$ aws s3api create-bucket --bucket cloudinstitutionbuck --region us-east-1
{
    "Location": "/cloudinstitutionbuck"
}
[ec2-user@ip-172-31-36-140 ~]$ aws s3api create-bucket --bucket cloudinstitutionbuck1234 --region us-east-1
{
    "Location": "/cloudinstitutionbuck1234"
}
[ec2-user@ip-172-31-36-140 ~]$ aws s3api create-bucket --bucket cloudinstitution5678 --region us-east-1
{
    "Location": "/cloudinstitution5678"
}
[ec2-user@ip-172-31-36-140 ~]$ aws s3 ls
2024-06-14 12:46:17 cloudinstitution5678
2024-06-14 12:44:26 cloudinstitutionbuck
2024-06-14 12:45:53 cloudinstitutionbuck1234
[ec2-user@ip-172-31-36-140 ~]$
```

List the created buckets

i-062cba8ead447cdf2 (cloudinstitution-ec2)
PublicIPs: 65.0.26.28 PrivateIPs: 172.31.36.140

To create buckets in another region use the command

“aws s3api create-bucket --bucket 1234cloudins4321 --region ap-south-1 --create-bucket-configuration LocationConstraint=ap-south-1”



We can also see the created buckets in the AWS console