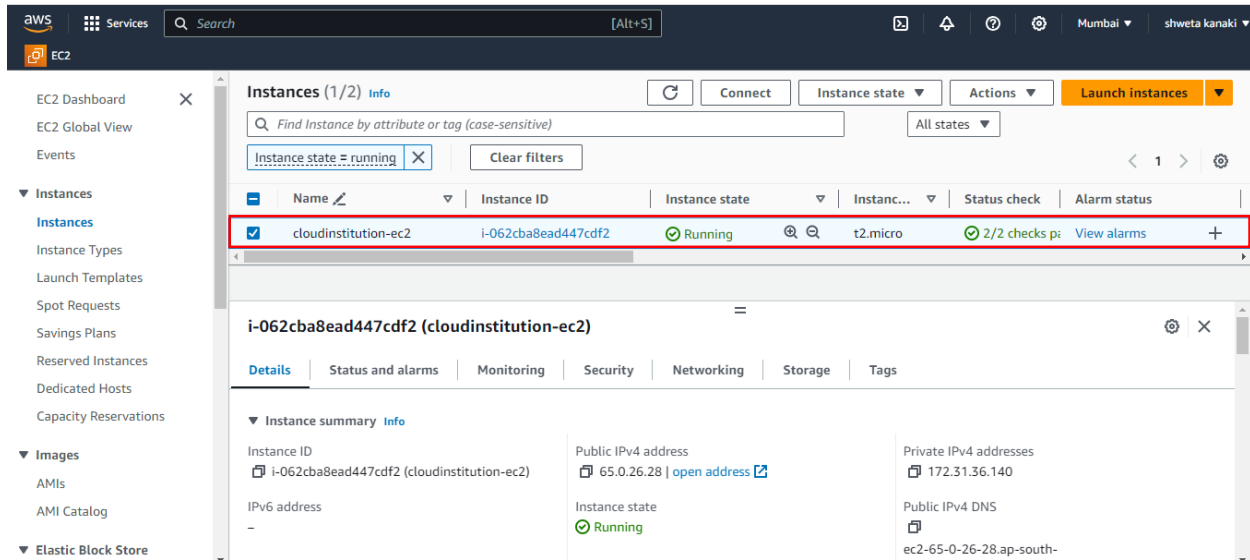
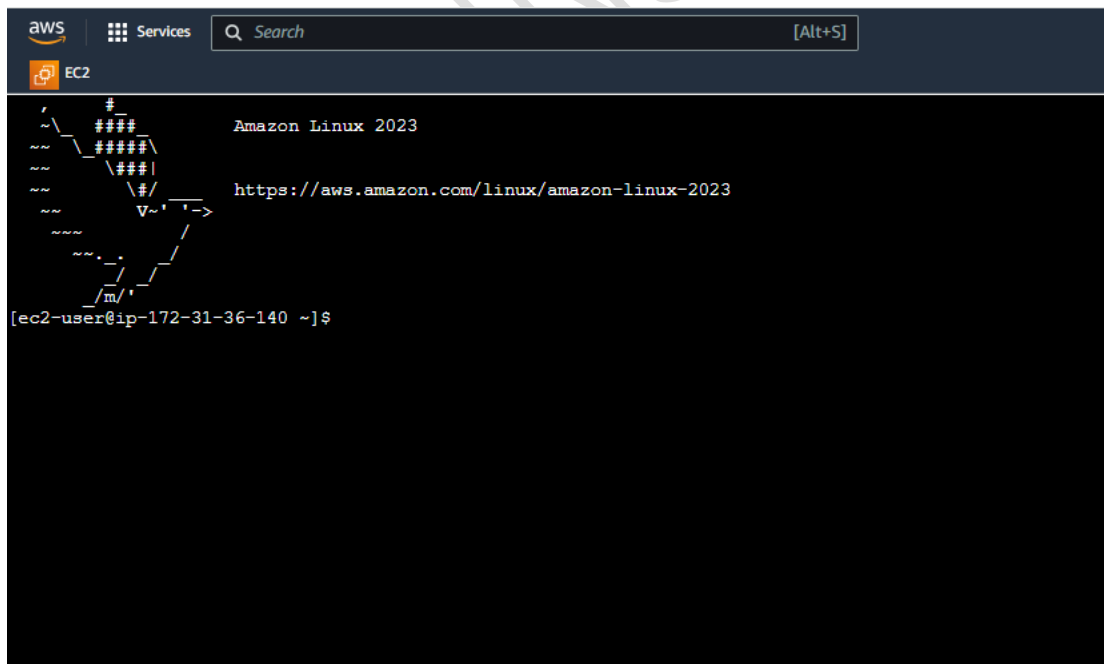


CREATE AND LIST BUCKETS USING AWS CLI

Step 1: Create a ec2 Instance



Login to the ec2 instance



i-062cba8ead447cdf2 (cloudinstitution-ec2)

PublicIPs: 65.0.26.28 PrivateIPs: 172.31.36.140

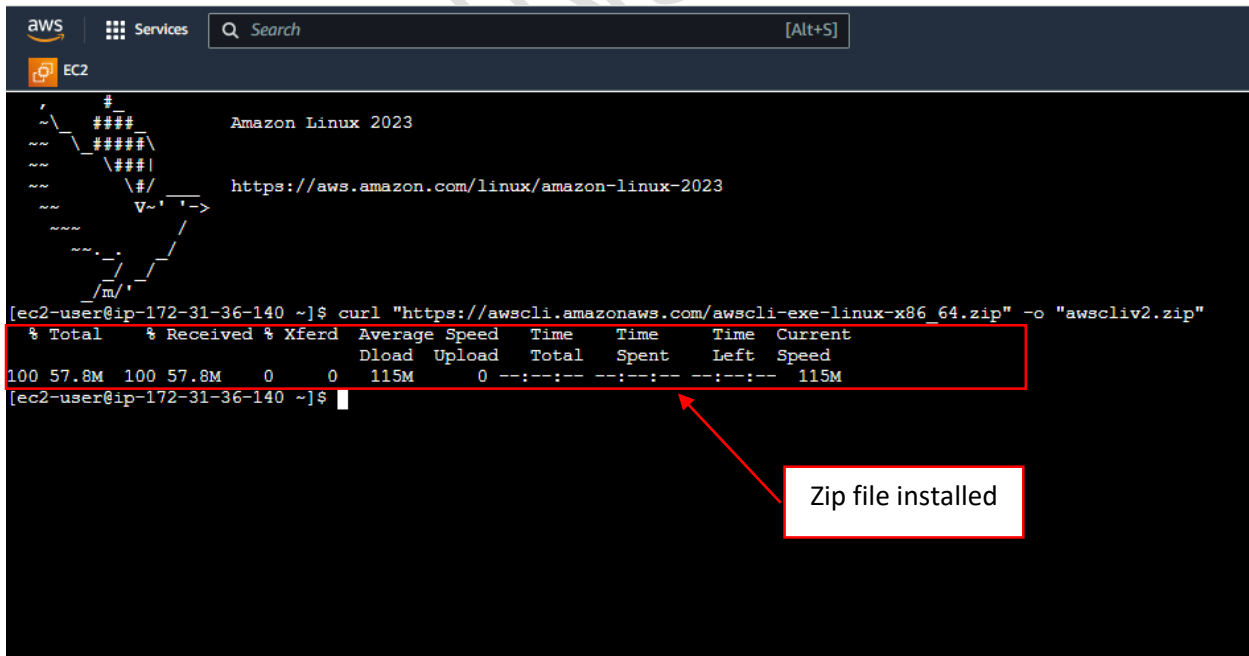
Step 2: To install awscli zip file using the command

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



i-062cba8ead447cdf2 (cloudinstitution-ec2)

PublicIPs: 65.0.26.28 PrivateIPs: 172.31.36.140

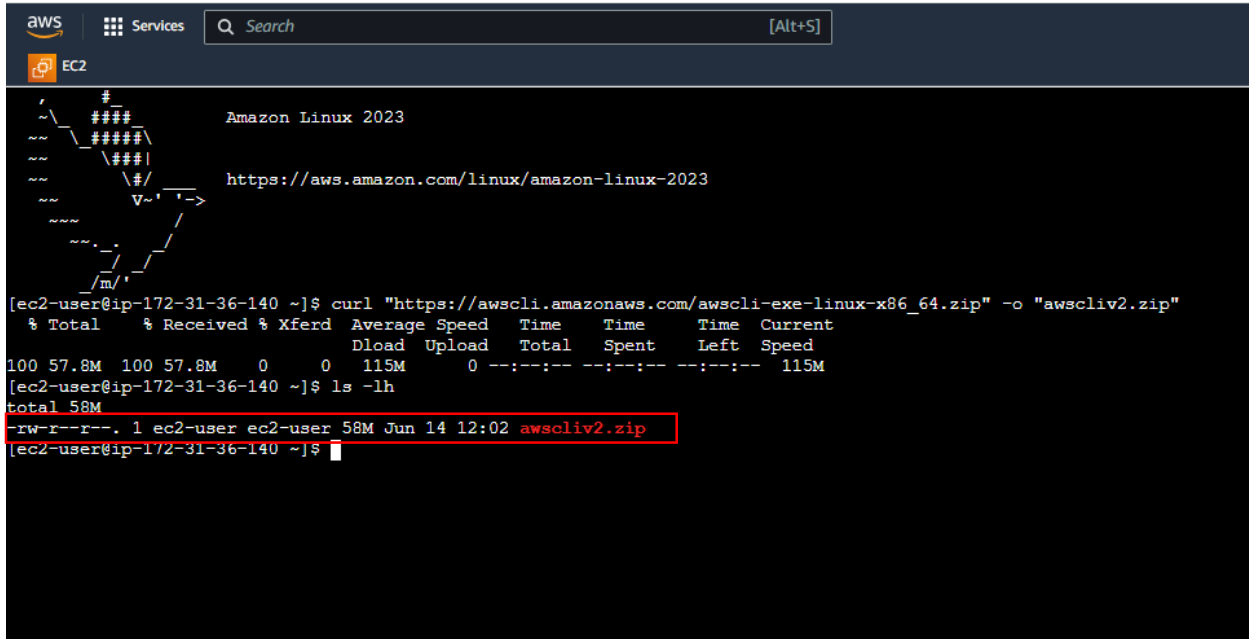


| % Total | % Received | % Xferd | Average Speed | Time | Time | Time | Current |
|----------|------------|----------|---------------|----------|----------|----------|---------|
| | | | Dload Upload | Total | Spent | Left | Speed |
| 100 | 57.8M | 100 | 57.8M | 0 | 0 | 115M | 0 |
| --:--:-- | --:--:-- | --:--:-- | --:--:-- | --:--:-- | --:--:-- | --:--:-- | 115M |

i-062cba8ead447cdf2 (cloudinstitution-ec2)

PublicIPs: 65.0.26.28 PrivateIPs: 172.31.36.140

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

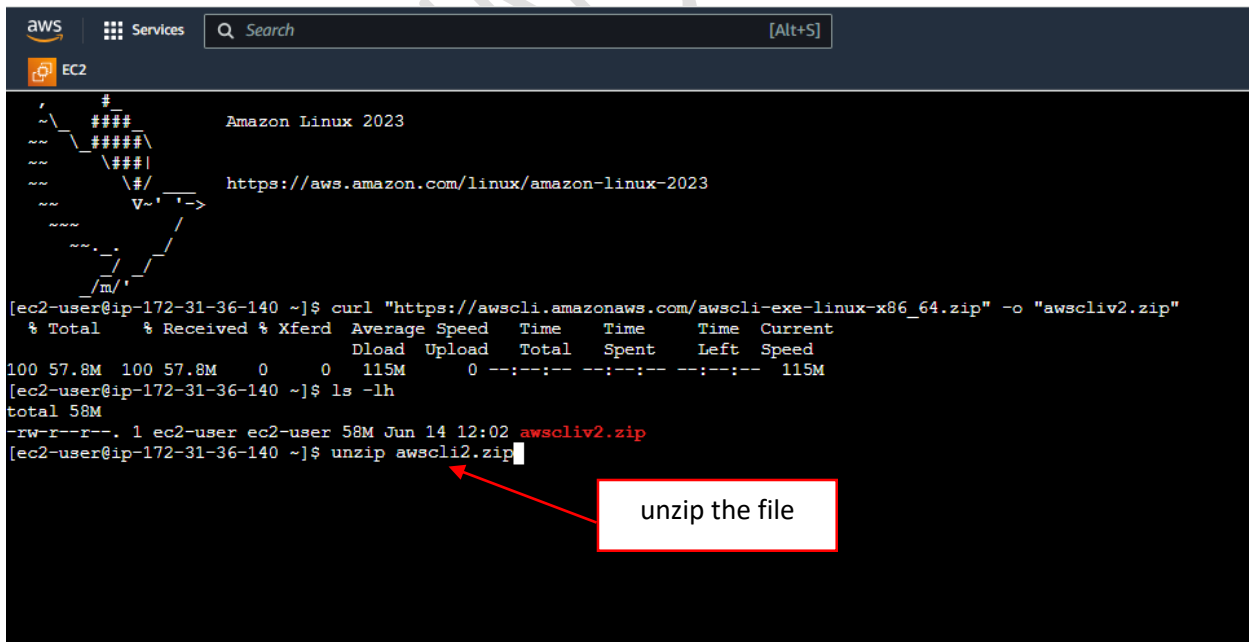


```
aws | Services | Search [Alt+S]
EC2
Amazon Linux 2023
https://aws.amazon.com/linux/amazon-linux-2023

[ec2-user@ip-172-31-36-140 ~]$ curl "https://awscli.amazonaws.com/awscli-exe-linux-x86_64.zip" -o "awscliv2.zip"
% Total % Received % Xferd Average Speed Time Time Time Current
Dload Upload Total Spent Left Speed
100 57.8M 100 57.8M 0 0 115M 0 --:--:-- --:--:-- --:--:-- 115M
[ec2-user@ip-172-31-36-140 ~]$ ls -lh
total 58M
-rw-r--r--. 1 ec2-user ec2-user 58M Jun 14 12:02 awscliv2.zip
[ec2-user@ip-172-31-36-140 ~]$
```

i-062cba8ead447cdf2 (cloudinstitution-ec2)

PublicIPs: 65.0.26.28 PrivateIPs: 172.31.36.140



```
aws | Services | Search [Alt+S]
EC2
Amazon Linux 2023
https://aws.amazon.com/linux/amazon-linux-2023

[ec2-user@ip-172-31-36-140 ~]$ curl "https://awscli.amazonaws.com/awscli-exe-linux-x86_64.zip" -o "awscliv2.zip"
% Total % Received % Xferd Average Speed Time Time Time Current
Dload Upload Total Spent Left Speed
100 57.8M 100 57.8M 0 0 115M 0 --:--:-- --:--:-- --:--:-- 115M
[ec2-user@ip-172-31-36-140 ~]$ ls -lh
total 58M
-rw-r--r--. 1 ec2-user ec2-user 58M Jun 14 12:02 awscliv2.zip
[ec2-user@ip-172-31-36-140 ~]$ unzip awscliv2.zip
```

unzip the file

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/s5_html/themes/default/print.css
inflating: aws/dist/docutils/writers/s5_html/themes/default/pretty.css
inflating: aws/dist/docutils/writers/s5_html/themes/default/slides.js
inflating: aws/dist/docutils/writers/s5_html/themes/default/opera.css
inflating: aws/dist/docutils/writers/s5_html/themes/default/s5-core.css
inflating: aws/dist/docutils/writers/s5_html/themes/default/framing.css
inflating: aws/dist/docutils/writers/s5_html/themes/default/slides.css
inflating: aws/dist/docutils/writers/s5_html/themes/small-black/_base_
inflating: aws/dist/docutils/writers/s5_html/themes/small-black/pretty.css
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/tuhtig.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 awscli2.zip
[ec2-user@ip-172-31-36-140 ~]$
```

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

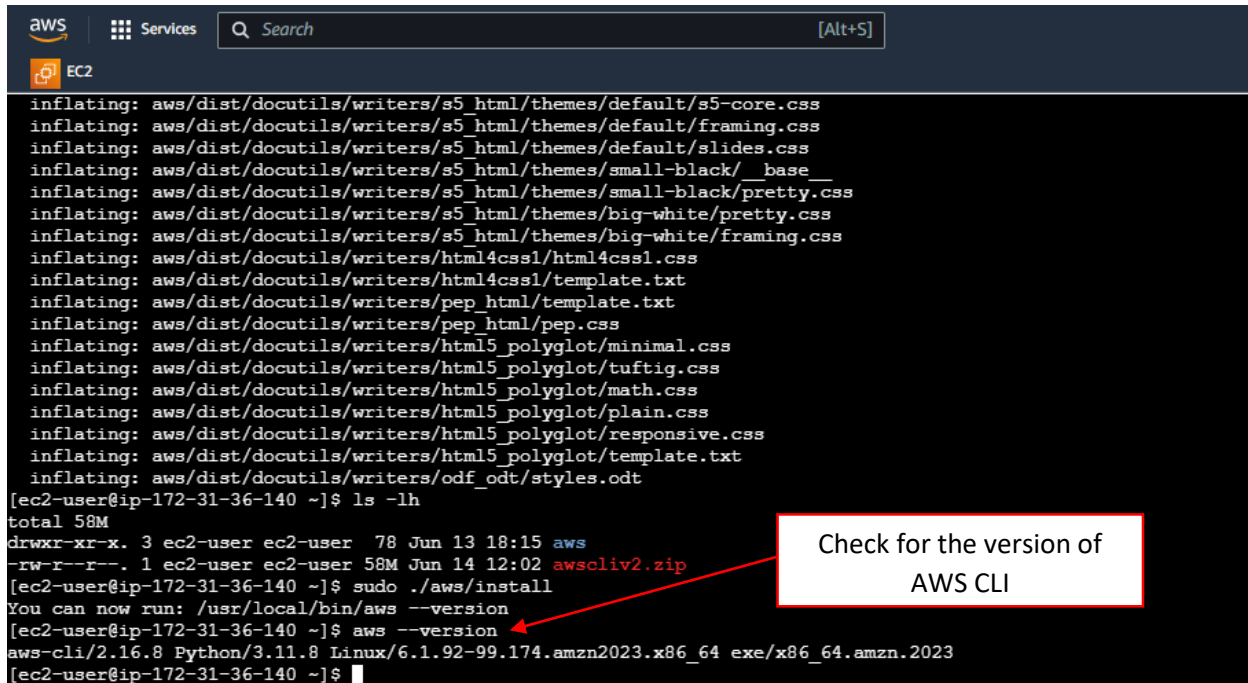
Unzipped file

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

```
aws | Services | Search [Alt+S]
EC2
inflating: aws/dist/docutils/writers/s5_html/themes/default/print.css
inflating: aws/dist/docutils/writers/s5_html/themes/default/pretty.css
inflating: aws/dist/docutils/writers/s5_html/themes/default/slides.js
inflating: aws/dist/docutils/writers/s5_html/themes/default/opera.css
inflating: aws/dist/docutils/writers/s5_html/themes/default/s5-core.css
inflating: aws/dist/docutils/writers/s5_html/themes/default/framing.css
inflating: aws/dist/docutils/writers/s5_html/themes/default/slides.css
inflating: aws/dist/docutils/writers/s5_html/themes/small-black/_base_
inflating: aws/dist/docutils/writers/s5_html/themes/small-black/pretty.css
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/tuhtig.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 awscli2.zip
[ec2-user@ip-172-31-36-140 ~]$ sudo ./aws/install
```

Install the unzipped file

The command “aws --version” is used to check the version of AWS CLI



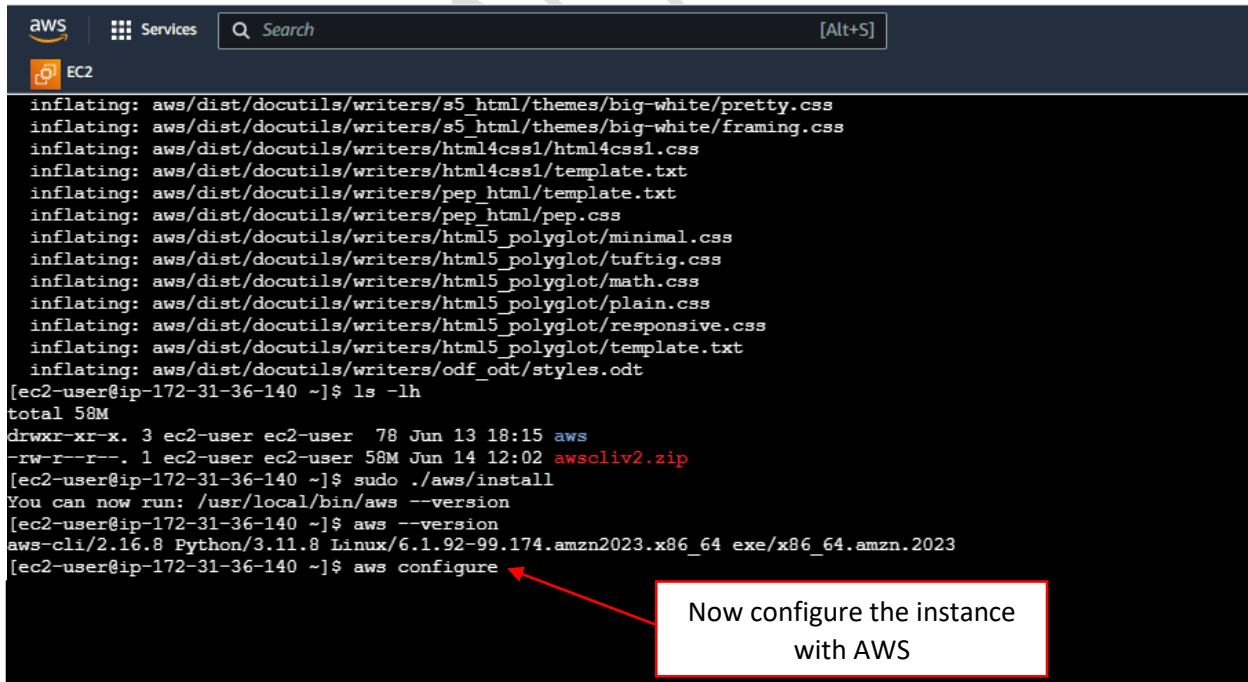
The screenshot shows the AWS Management Console interface for an EC2 instance. The terminal output displays the installation of the AWS CLI. A red arrow points from a text box to the command `aws --version` in the terminal.

```
aws
Services
Search [Alt+S]

EC2

inflating: aws/dist/docutils/writers/s5_html/themes/default/s5-core.css
inflating: aws/dist/docutils/writers/s5_html/themes/default/framing.css
inflating: aws/dist/docutils/writers/s5_html/themes/default/slides.css
inflating: aws/dist/docutils/writers/s5_html/themes/small-black/_base_
inflating: aws/dist/docutils/writers/s5_html/themes/small-black/pretty.css
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/tuhtig.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 awscli2.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 ~]$
```

Check for the version of
AWS CLI



The screenshot shows the AWS Management Console interface for an EC2 instance. The terminal output displays the installation of the AWS CLI. A red arrow points from a text box to the command `aws configure` in the terminal.

```
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/tuhtig.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 awscli2.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
```

Now configure the instance
with AWS

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/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/tuhtig.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 awscli2.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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
```

Enter the Access key & private key

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

You will find the access key and private key from aws console → click on your account name → Security credentials → 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/tuftpig.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 awscli2.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
[ec2-user@ip-172-31-36-140 ~]$ aws configure
AWS Access Key ID [None]: AKIAW4VGOAEC3U3UF65
AWS Secret Access Key [None]: /rKMxAP/dwM4SHqizRVZgYMOHpSX9ZH8TNvF01/R
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/tuftpig.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 awscli2.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]: AKIAW4VGOAEC3U3UF65
AWS Secret Access Key [None]: /rKMxAP/dwM4SHqizRVZgYMOHpSX9ZH8TNvF01/R
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”

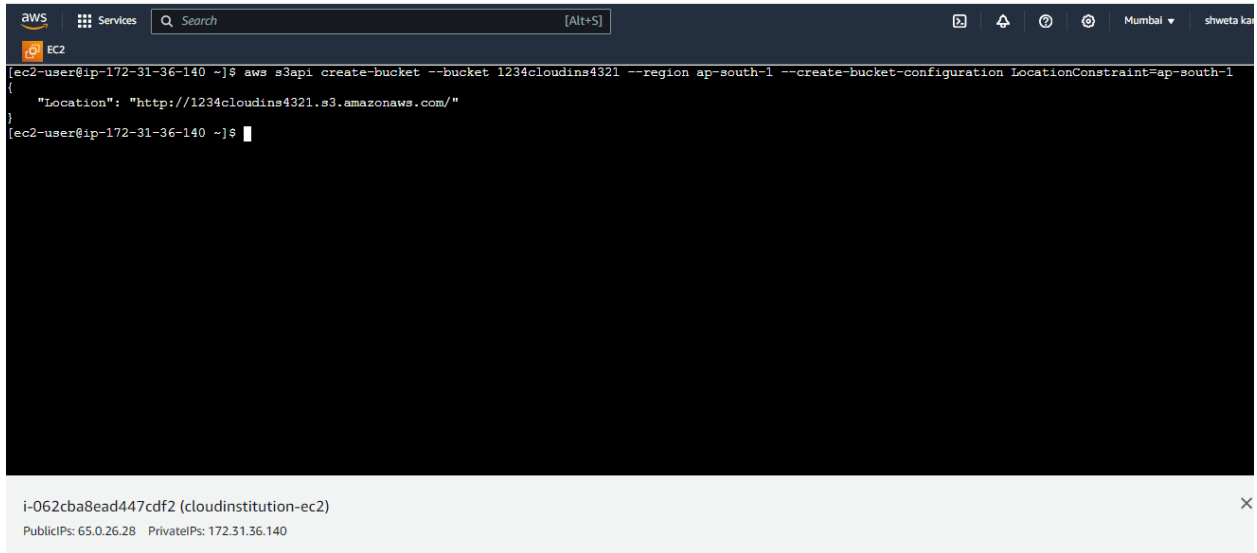
```
[ec2-user@ip-172-31-36-140 ~]$ aws s3api create-bucket --bucket cloudinstitutionbuck --region us-east-1
{
  "Location": "/cloudinstitutionbuck"
}
[ec2-user@ip-172-31-36-140 ~]$ aws s3api create-bucket --bucket cloudinstitutionbuck1234 --region us-east-1
{
  "Location": "/cloudinstitutionbuck1234"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

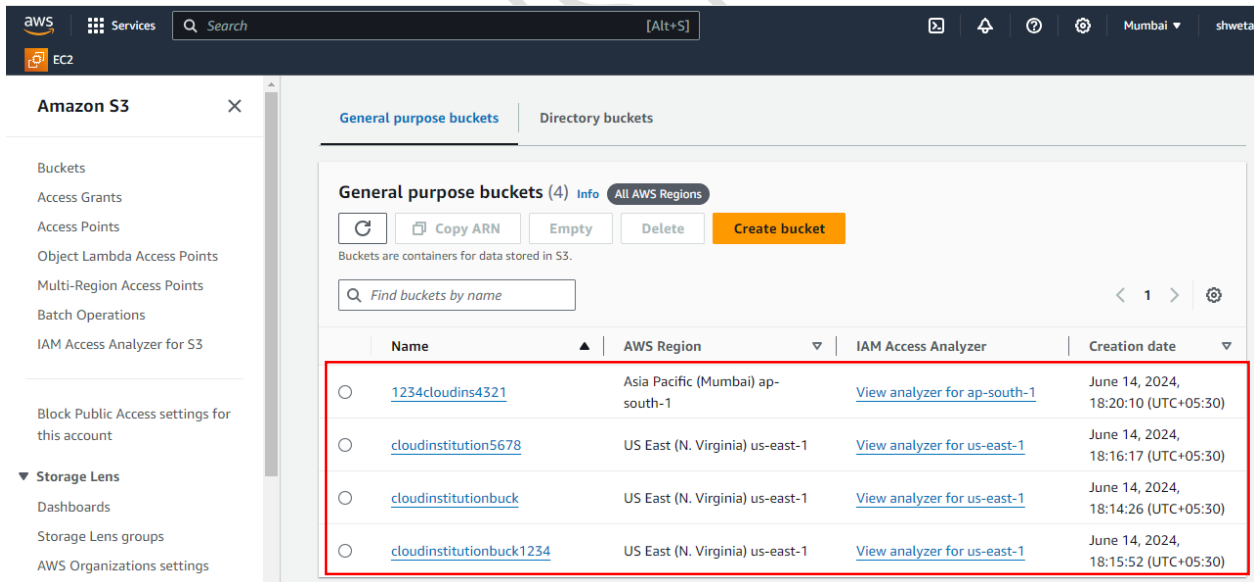
“aws s3api create-bucket --bucket 1234cloudins4321 --region ap-south-1 --create-bucket-configuration LocationConstraint=ap-south-1”



```
aws
Services
Search [Alt+S]
Mumbai shweta ka
EC2
[ec2-user@ip-172-31-36-140 ~]$ aws s3api create-bucket --bucket 1234cloudins4321 --region ap-south-1 --create-bucket-configuration LocationConstraint=ap-south-1
{
  "Location": "http://1234cloudins4321.s3.amazonaws.com/"
}
[ec2-user@ip-172-31-36-140 ~]$
```

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

We can also see the created buckets in the AWS console



| Amazon S3 | | | |
|--|--|----------------------------------|-------------------------------------|
| Buckets | | | |
| Access Grants | | | |
| Access Points | | | |
| Object Lambda Access Points | | | |
| Multi-Region Access Points | | | |
| Batch Operations | | | |
| IAM Access Analyzer for S3 | | | |
| Block Public Access settings for this account | | | |
| Storage Lens | | | |
| Dashboards | | | |
| Storage Lens groups | | | |
| AWS Organizations settings | | | |
| General purpose buckets (4) Info All AWS Regions | | | |
| Buckets are containers for data stored in S3. | | | |
| Find buckets by name | | | |
| | Name | AWS Region | Creation date |
| <input type="radio"/> | 1234cloudins4321 | Asia Pacific (Mumbai) ap-south-1 | June 14, 2024, 18:20:10 (UTC+05:30) |
| <input type="radio"/> | cloudinstitution5678 | US East (N. Virginia) us-east-1 | June 14, 2024, 18:16:17 (UTC+05:30) |
| <input type="radio"/> | cloudinstitutionbuck | US East (N. Virginia) us-east-1 | June 14, 2024, 18:14:26 (UTC+05:30) |
| <input type="radio"/> | cloudinstitutionbuck1234 | US East (N. Virginia) us-east-1 | June 14, 2024, 18:15:52 (UTC+05:30) |