

Date: 10-10-2024	Course Code: CSE3015	Reg No: 22BET10027
Day: Wednesday	Course Name: AWS Cloud Practitioner	Name: Pravin Kumar GS

LAB EXPERIMENT - 1

Launching an EC2 instance and Hosting a static website

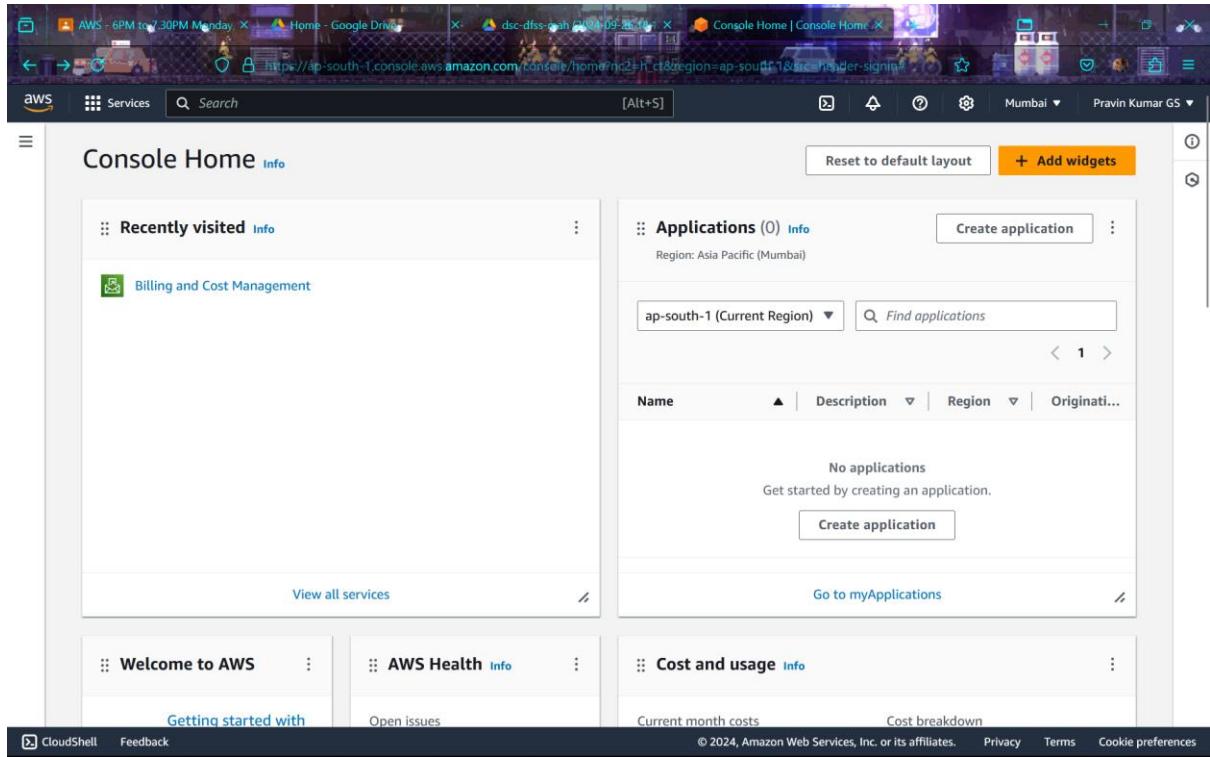
Aim:

To launch an EC2 instance and hosting a static website using AWS Cloud console.

Procedure:

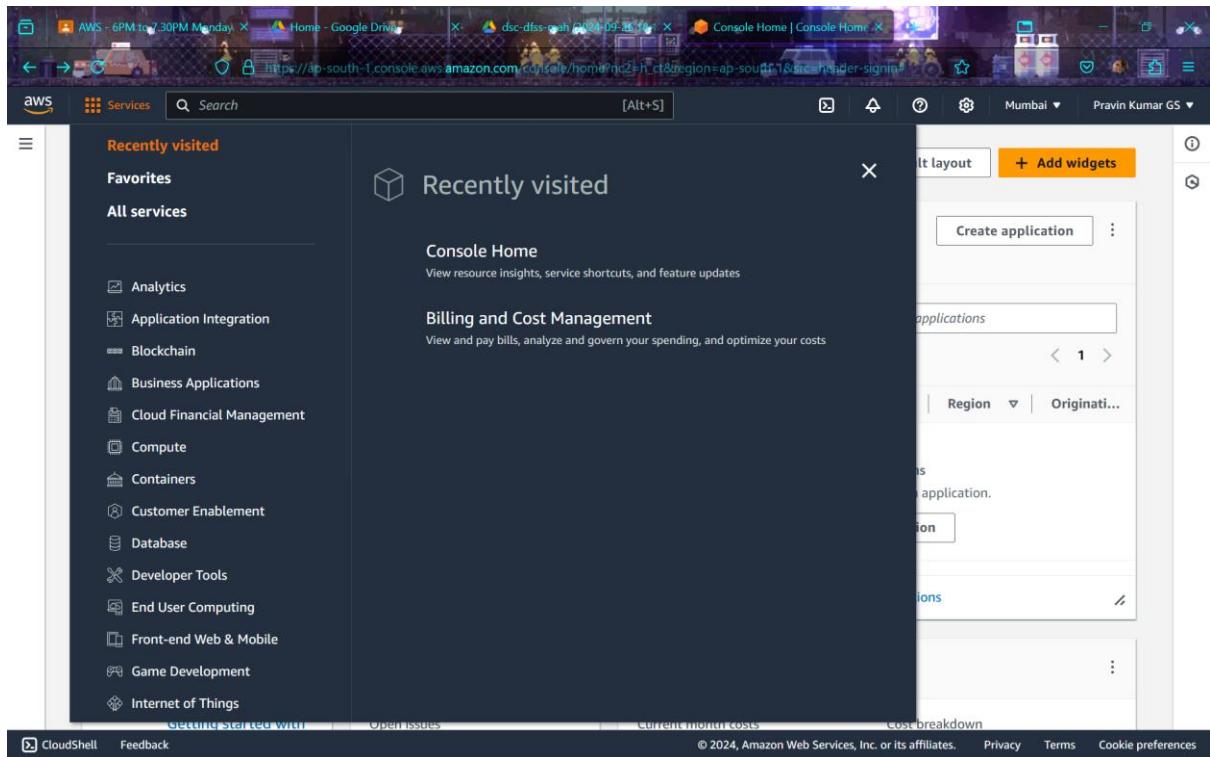
Step-1:

- Login to the AWS account and the home page will be visible as mentioned below.



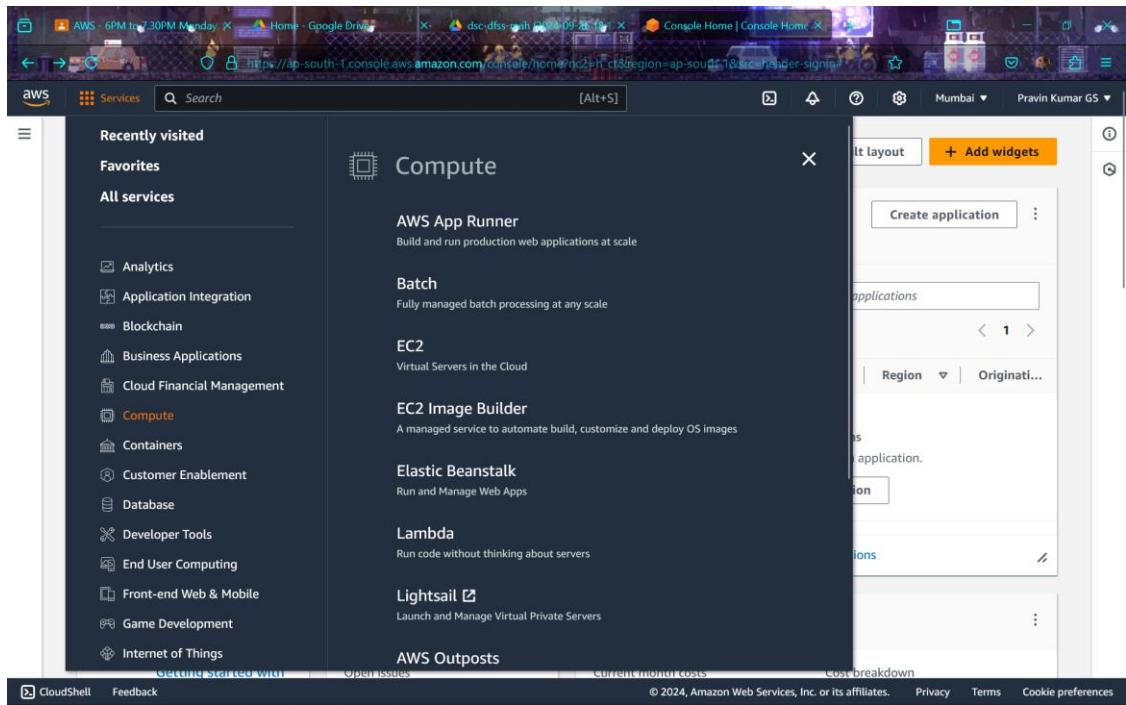
Step-2:

- At the top left select the ‘Services’ option where you can view all the services available in the AWS cloud console.



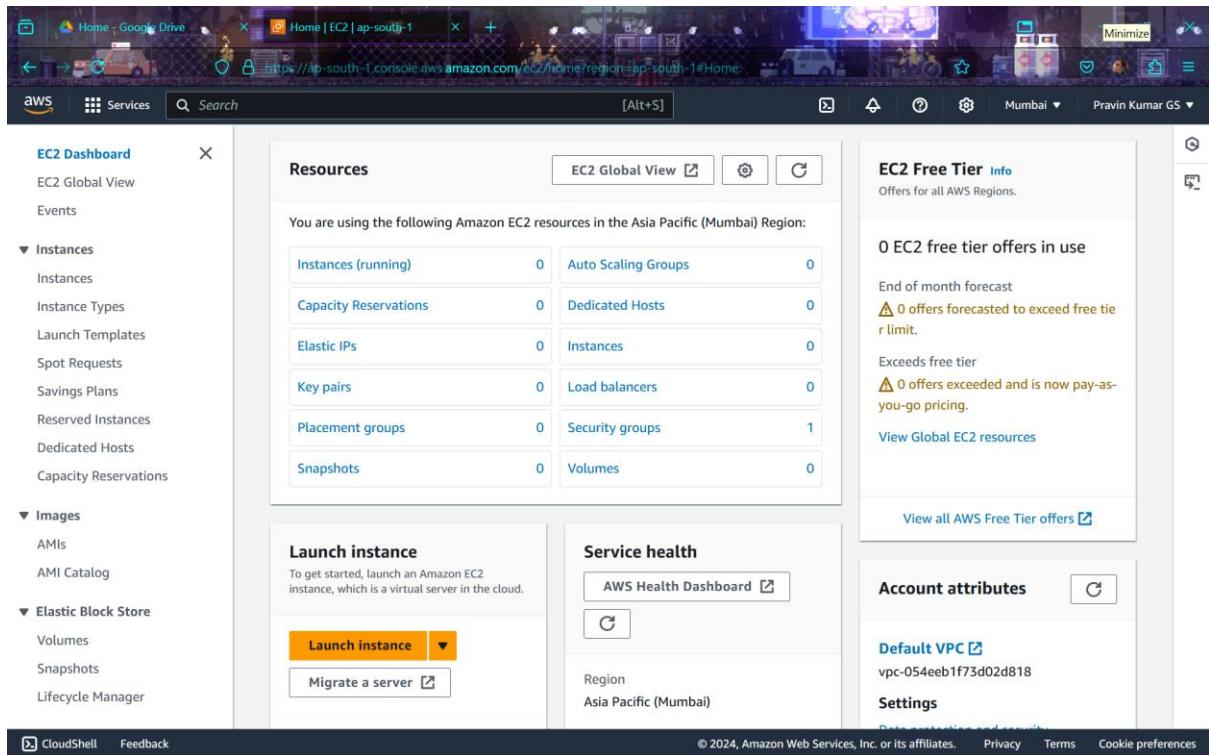
Step-3:

- In the available options select ‘Compute’ and the sub options will be visible.
- And then select “EC2” option where the experiment takes place.



Step-4:

- This is the EC2 Dashboard in that select 'Instances' in the left menu.



Step-5:

- If there are any instance prior created will be visible here or else the new instance should be created and the status of the instance can be seen here.

The screenshot shows the AWS EC2 Instances page. The left sidebar is collapsed. The main area displays a message: "No instances" and "You do not have any instances in this region". A "Launch instances" button is visible. Below this, a modal window titled "Select an instance" is open. At the bottom of the page, there are links for CloudShell, Feedback, and copyright information.

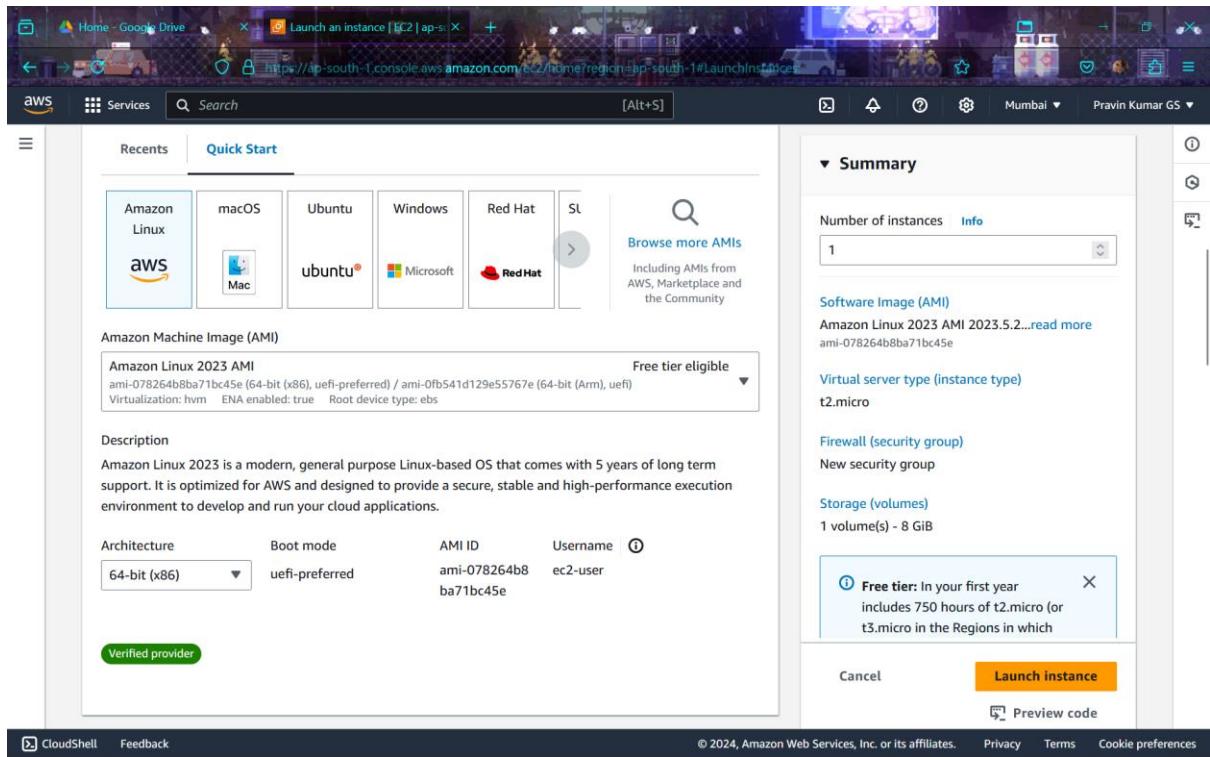
Step-6:

- Provide the name as 'Reg no-Linux' and let the remaining be default in that section.

The screenshot shows the "Launch an instance" wizard. The left sidebar shows the navigation path: EC2 > ... > Launch an instance. The main area has two tabs: "Name and tags" and "Application and OS Images (Amazon Machine Image)". The "Name and tags" tab shows a "Name" field with "e.g. My Web Server". The "Application and OS Images" tab shows a search bar with "Search our full catalog including 1000s of application and OS images". On the right, the "Summary" section is expanded, showing:

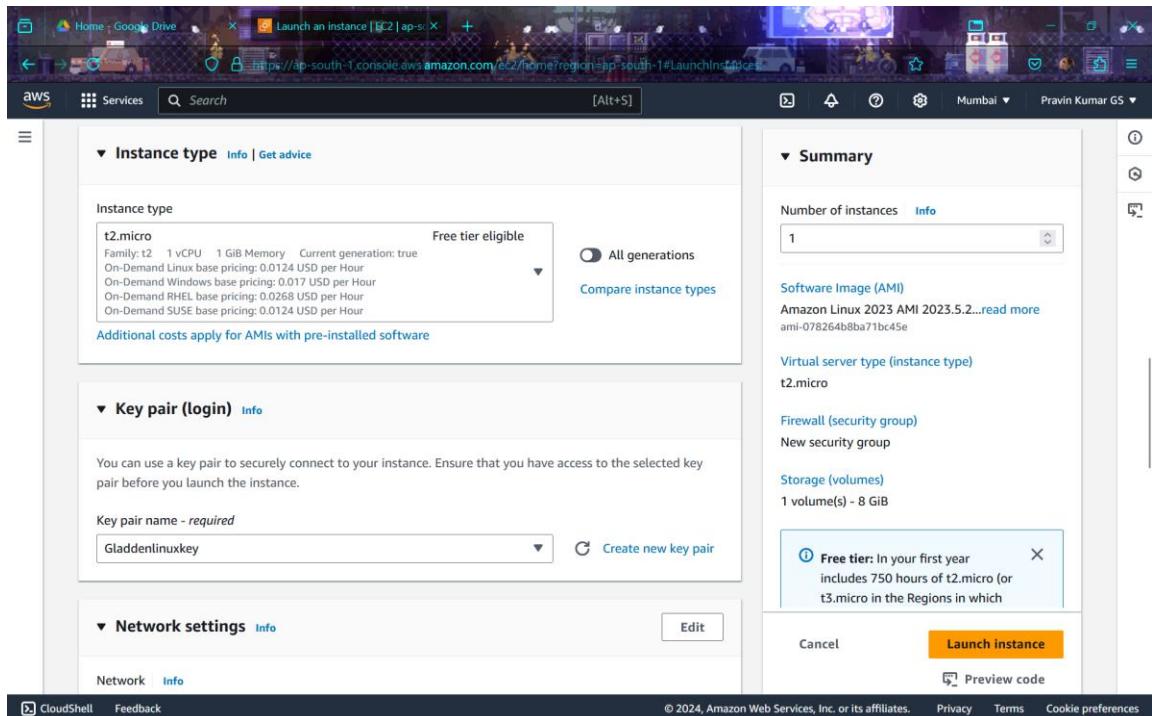
- Number of instances: 1
- Software Image (AMI): -
- Virtual server type (instance type): t2.micro
- Firewall (security group): -
- Storage (volumes): -

A callout box for the "Free tier" is shown, stating: "Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance". At the bottom, there are "Cancel", "Launch Instance", and "Preview code" buttons.



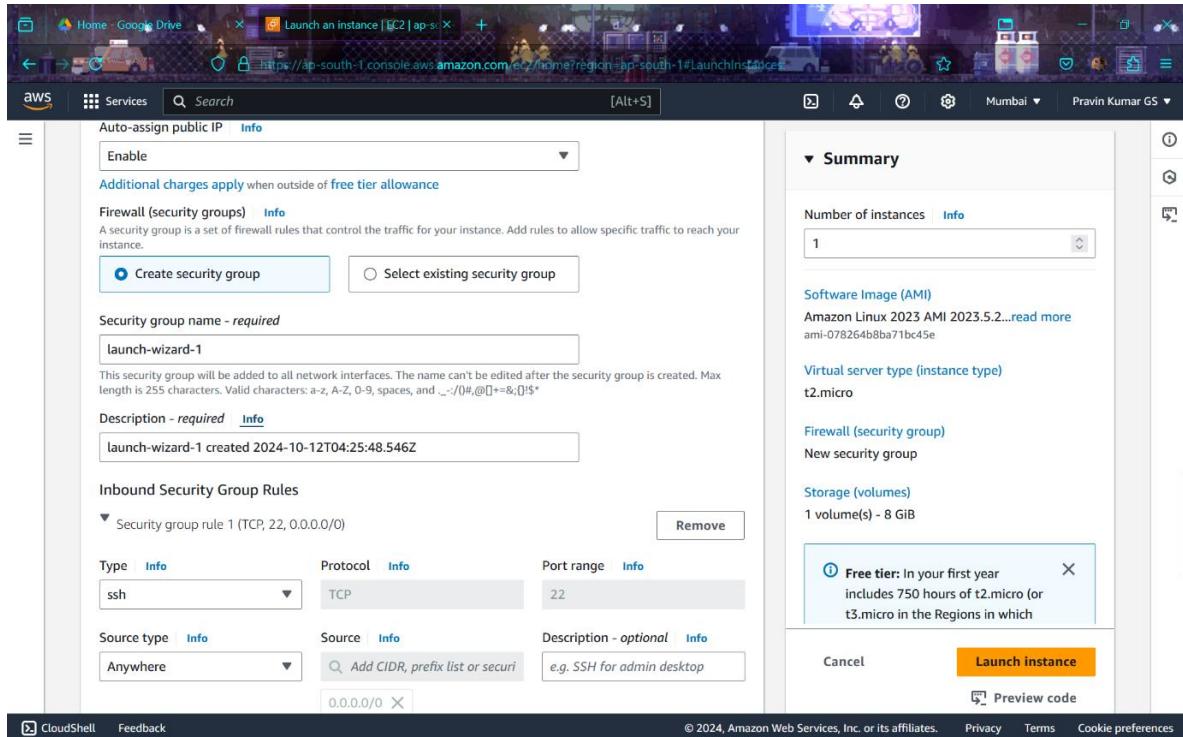
Step-7:

- Create a key pair if not available or if available select the key pair.

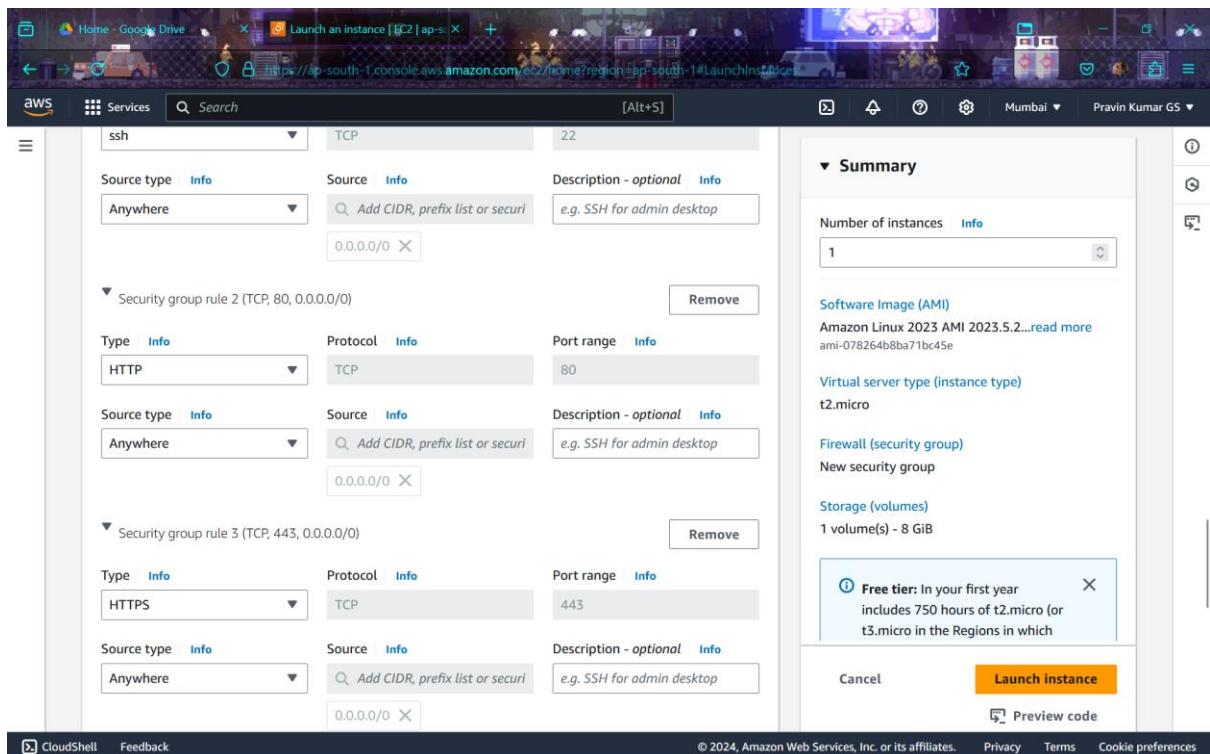


Step-8:

- In the Network settings select a zone for taking backup of the data and provide a Security group name for the instance.
- The zone selection is if by chance any disaster happens at a particular zone we can take our data which is stored as a backup in another zone.



- Then select the 'Add security group rule' option to add the common two security rule such as, 'HTTP' and 'HTTPS' for safety purpose.



Step-9:

- In this section we can change the storage and root volume for our webpage.
- On the right section we can change the no. of instance for launching.

The screenshot shows the AWS EC2 'Launch an instance' configuration page. On the left, there's a sidebar with 'Advanced network configuration' and a main panel for 'Configure storage'. It shows one volume of 8 GiB gp3 type, labeled as a 'Root volume (Not encrypted)'. A note indicates that free-tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage. Below this, there are sections for 'Add new volume' and 'File systems'. On the right, the 'Summary' section shows 'Number of instances' set to 1. It also lists the 'Software Image (AMI)' as Amazon Linux 2023.5.2..., 'Virtual server type (instance type)' as t2.micro, and 'Storage (volumes)' as 1 volume(s) - 8 GiB. At the bottom right are 'Launch instance' and 'Preview code' buttons.

- After clicking Launch instance the message will be displayed like mentioned below.

The screenshot shows the 'Launch an instance' success page. A green banner at the top says 'Success' and 'Successfully initiated launch of instance (i-02d986300328397e0)'. Below this, there's a 'Next Steps' section with a search bar and navigation arrows. Four cards are listed: 'Create billing and free tier usage alerts', 'Connect to your instance', 'Connect an RDS database', and 'Create EBS snapshot policy'. Each card has a corresponding 'Create [service] alerts' or 'Create [service] [action]' button.

- This is the Status and details of the instance which we created.

The screenshot shows the AWS EC2 Instances page. On the left, there's a sidebar with various navigation options like EC2 Dashboard, EC2 Global View, Events, Instances (with sub-options like Instances, Instance Types, Launch Templates, etc.), Images, AMIs, AMI Catalog, and Elastic Block Store. The main content area displays a table with one row for the instance. The instance details are as follows:

Name	Instance ID	Instance state	Instance type	Status check	Alarm status
22BET10027-...	i-02d986300328397e0	Running	t2.micro	2/2 checks passed	View alarms

Below the table, there's a detailed view for the selected instance (i-02d986300328397e0). It shows the following information:

- Details:** Instance ID (i-02d986300328397e0), Public IPv4 address (35.154.72.12), Private IP (172.31.41.196), Instance state (Running).
- Instance summary:** Instance ID (i-02d986300328397e0), Public IPv4 address (35.154.72.12), Instance state (Running), Hostname type (Ubuntu 22.04 LTS), Private IP DNS name (IPv4 only).

Step-11:

- By clicking the 'connect' option in the above section we can connect to the instance.

The screenshot shows the 'Connect to instance' page for the instance i-02d986300328397e0. At the top, it says 'EC2 > Instances > i-02d986300328397e0 > Connect to instance'. Below that, it says 'Connect to instance' and provides instructions: 'Connect to your instance i-02d986300328397e0 (22BET10027-Linux) using any of these options'.

There are four tabs at the top of the main content area:

- EC2 Instance Connect** (selected)
- Session Manager
- SSH client
- EC2 serial console

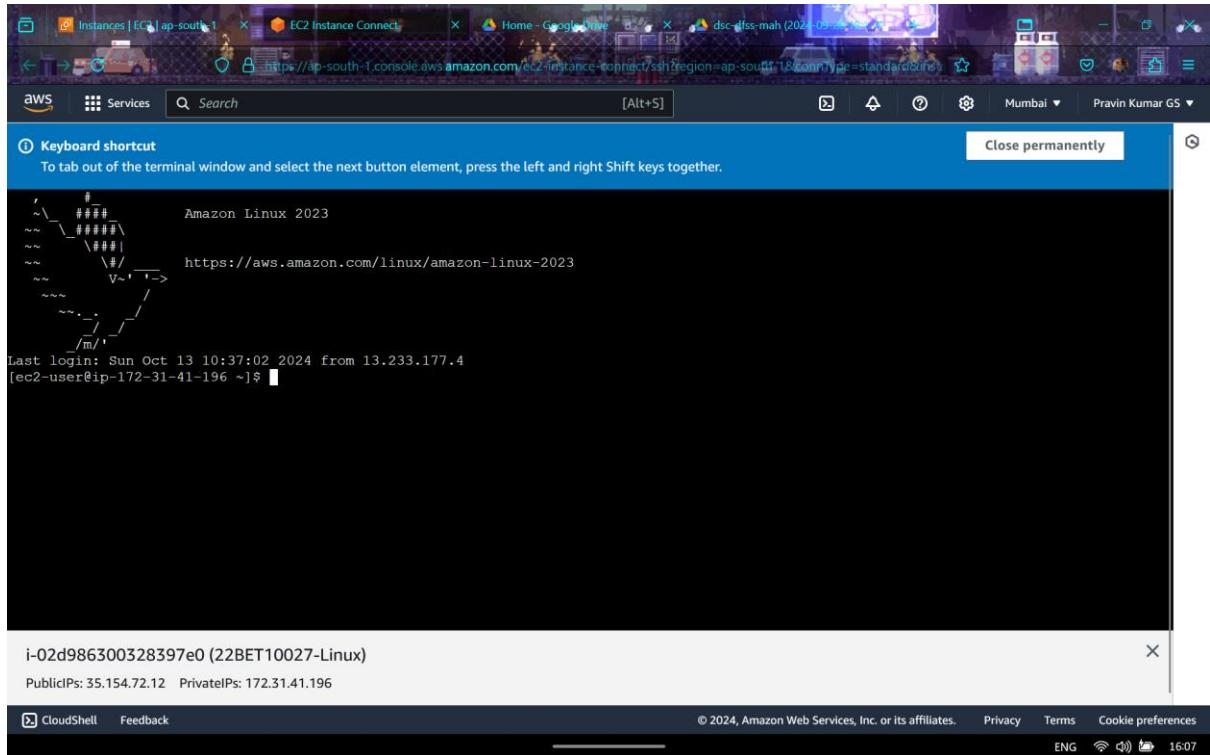
A warning message is displayed in a box: '⚠ Port 22 (SSH) is open to all IPv4 addresses'. It explains that Port 22 is currently open to all IPv4 addresses, indicated by 0.0.0.0/0 in the inbound rule in the security group. It suggests increasing security by restricting access to only the EC2 Instance Connect service IP addresses for the region: 13.233.177.0/29. A link to 'Learn more' is provided.

The 'Connection Type' section contains the following options:

- Connect using EC2 Instance Connect** (selected): 'Connect using the EC2 Instance Connect browser-based client, with a public IPv4 or IPv6 address.'
- Connect using EC2 Instance Connect Endpoint**: 'Connect using the EC2 Instance Connect browser-based client, with a private IPv4 address and a VPC endpoint.'
- Public IPv4 address**: '35.154.72.12'
- IPv6 address**: 'None'

Step-12:

- This is the ‘Linux Terminal’ for the instance and by default we got connected as a normal user.



The screenshot shows a browser window for the AWS CloudShell. The address bar indicates the URL is <https://ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=ap-south-1&connType=standard&id=i-02d986300328397e0>. The main content is a terminal window titled "Amazon Linux 2023". It displays a welcome message from Amazon Linux, the URL <https://aws.amazon.com/linux/amazon-linux-2023>, and the last login information: "Last login: Sun Oct 13 10:37:02 2024 from 13.233.177.4 [ec2-user@ip-172-31-41-196 ~] \$". Below the terminal is a modal window titled "i-02d986300328397e0 (22BET10027-Linux)". It shows "PublicIPs: 35.154.72.12" and "PrivateIPs: 172.31.41.196". At the bottom of the screen, there are navigation links for "CloudShell" and "Feedback", and a footer with copyright information and language settings.

Step-13:

- The command “sudo su -“ will help us to connect as a root user for the instance.
- Thus using this we need to connect as a root user.

Instances | EC2 | ap-south-1 | EC2 Instance Connect | Home - Google Chrome | dsc-tfss-mah (2024-04-18) | Mumbai | Pravin Kumar GS

aws Services Search [Alt+S] Close permanently

Keyboard shortcut
To tab out of the terminal window and select the next button element, press the left and right Shift keys together.

```
'~\ ##### Amazon Linux 2023
~~ \####\ https://aws.amazon.com/linux/amazon-linux-2023
~~ \##/
~~ V~, '->
~~ /'
~~ .-
~~ /-
~~ /m/
Last login: Sun Oct 13 10:37:02 2024 from 13.233.177.4
[ec2-user@ip-172-31-41-196 ~]$ sudo su -
```

i-02d986300328397e0 (22BET10027-Linux)
PublicIPs: 35.154.72.12 PrivateIPs: 172.31.41.196

```
Instances | EC2 | ap-south-1 X EC2 Instance Connect X Home - Google Drive X dsc-slss-mah [2024-05-16 16:09] X
aws Services Search [Alt+S] Mumbai ▾ Pravin Kumar GS ▾
① Keyboard shortcut
To tab out of the terminal window and select the next button element, press the left and right Shift keys together.

Close permanently

Amazon Linux 2023
https://aws.amazon.com/linux/amazon-linux-2023

Last login: Sun Oct 13 10:37:02 2024 from 13.233.177.4
[ec2-user@ip-172-31-41-196 ~]$ sudo su -
Last login: Sun Oct 13 10:37:16 UTC 2024 on pts/1
[root@ip-172-31-41-196 ~]#
```

Step-14:

- The command “`yum update -y`” is used to check the version of the linux and also if the update is needed it will get update.

```
Amazon Linux 2023
https://aws.amazon.com/linux/amazon-linux-2023

Last login: Sun Oct 13 10:37:02 2024 from 13.233.177.4
[ec2-user@ip-172-31-41-196 ~]$ sudo su -
Last login: Sun Oct 13 10:37:16 UTC 2024 on pts/1
[root@ip-172-31-41-196 ~]# yum update -y
```

i-02d986300328397e0 (22BET10027-Linux)
PublicIPs: 35.154.72.12 PrivateIPs: 172.31.41.196

```
Amazon Linux 2023
https://aws.amazon.com/linux/amazon-linux-2023

Last login: Sun Oct 13 10:37:02 2024 from 13.233.177.4
[ec2-user@ip-172-31-41-196 ~]$ sudo su -
Last login: Sun Oct 13 10:37:16 UTC 2024 on pts/1
[root@ip-172-31-41-196 ~]# yum update -y
Last metadata expiration check: 0:06:50 ago on Sun Oct 13 10:34:09 2024.
Dependencies resolved.
Nothing to do.
Complete!
[root@ip-172-31-41-196 ~]#
```

i-02d986300328397e0 (22BET10027-Linux)
PublicIPs: 35.154.72.12 PrivateIPs: 172.31.41.196

Step-15:

- The command “yum install -y httpd” will help us to install the Apache server.
- In this command the httpd refers to apache server.

Instances | EC2 | ap-south-1 X EC2 Instance Connect X Home - Google Drive X dsc-dfss-mah (2024-05-18) Mumbai Pravin Kumar GS

aws Services Search [Alt+S] Close permanently

Keyboard shortcut
To tab out of the terminal window and select the next button element, press the left and right Shift keys together.

```
'~\ ##### Amazon Linux 2023
~~ \####\ https://aws.amazon.com/linux/amazon-linux-2023
~~ \##/
~~ V~, '->
~~ /'
~~ .-
~~ /'-
/m/'
```

Last login: Sun Oct 13 10:37:02 2024 from 13.233.177.4
[ec2-user@ip-172-31-41-196 ~]\$ sudo su -
Last login: Sun Oct 13 10:37:16 UTC 2024 on pts/1
[root@ip-172-31-41-196 ~]# yum update -y
Last metadata expiration check: 0:06:50 ago on Sun Oct 13 10:34:09 2024.
Dependencies resolved.
Nothing to do.
Complete!
[root@ip-172-31-41-196 ~]# yum install -y httpd

i-02d986300328397e0 (22BET10027-Linux)
PublicIPs: 35.154.72.12 PrivateIPs: 172.31.41.196

Instances | EC2 | ap-south-1 EC2 Instance Connect Home - Google Drive dscrlss-mah (2024-05-16)

aws Services Search [Alt+S] Mumbai Pravin Kumar GS ▾

① Keyboard shortcut
To tab out of the terminal window and select the next button element, press the left and right Shift keys together.

Close permanently

```
(3/12): apr-util-1.6.3-1.amzn2023.0.1.x86_64.rpm 1.4 MB/s | 98 kB 00:00
(4/12): generic-logos-httdp-18.0.0-12.amzn2023.0.3.noarch.rpm 1.2 MB/s | 19 kB 00:00
(5/12): httpd-2.4.62-1.amzn2023.x86_64.rpm 2.4 MB/s | 48 kB 00:00
(6/12): httpd-core-2.4.62-1.amzn2023.x86_64.rpm 41 kB/s | 1.4 MB 00:00
(7/12): httpd-filesystem-2.4.62-1.amzn2023.noarch.rpm 480 kB/s | 14 kB 00:00
(8/12): httpd-tools-2.4.62-1.amzn2023.x86_64.rpm 3.4 MB/s | 81 kB 00:00
(9/12): mailcap-2.1.49-3.amzn2023.0.3.noarch.rpm 1.8 MB/s | 33 kB 00:00
(10/12): libbrotli-1.0.9-4.amzn2023.0.2.x86_64.rpm 12 MB/s | 315 kB 00:00
(11/12): mod_http2-2.0.27-1.amzn2023.0.3.x86_64.rpm 6.6 MB/s | 166 kB 00:00
(12/12): mod_lua-2.4.62-1.amzn2023.x86_64.rpm 3.8 MB/s | 61 kB 00:00

Total 12 MB/s | 2.3 MB 00:00

Running transaction check
Transaction check succeeded.
Running transaction test
Transaction test succeeded.
Running transaction
Preparing : 1/1
Installing : apr-1.7.2-2.amzn2023.0.2.x86_64 1/12
Installing : apr-util-openssl-1.6.3-1.amzn2023.0.1.x86_64 2/12
Installing : apr-util-1.6.3-1.amzn2023.0.1.x86_64 3/12
Installing : mailcap-2.1.49-3.amzn2023.0.3.noarch 4/12
Installing : httpd-tools-2.4.62-1.amzn2023.x86_64 5/12
Installing : libbrotli-1.0.9-4.amzn2023.0.2.x86_64 6/12
Running scriptlet: httpd-filesystem-2.4.62-1.amzn2023.noarch 7/12
Installing : httpd-filesystem-2.4.62-1.amzn2023.noarch 7/12
Installing : httpd-core-2.4.62-1.amzn2023.x86_64 [=====] 8/12

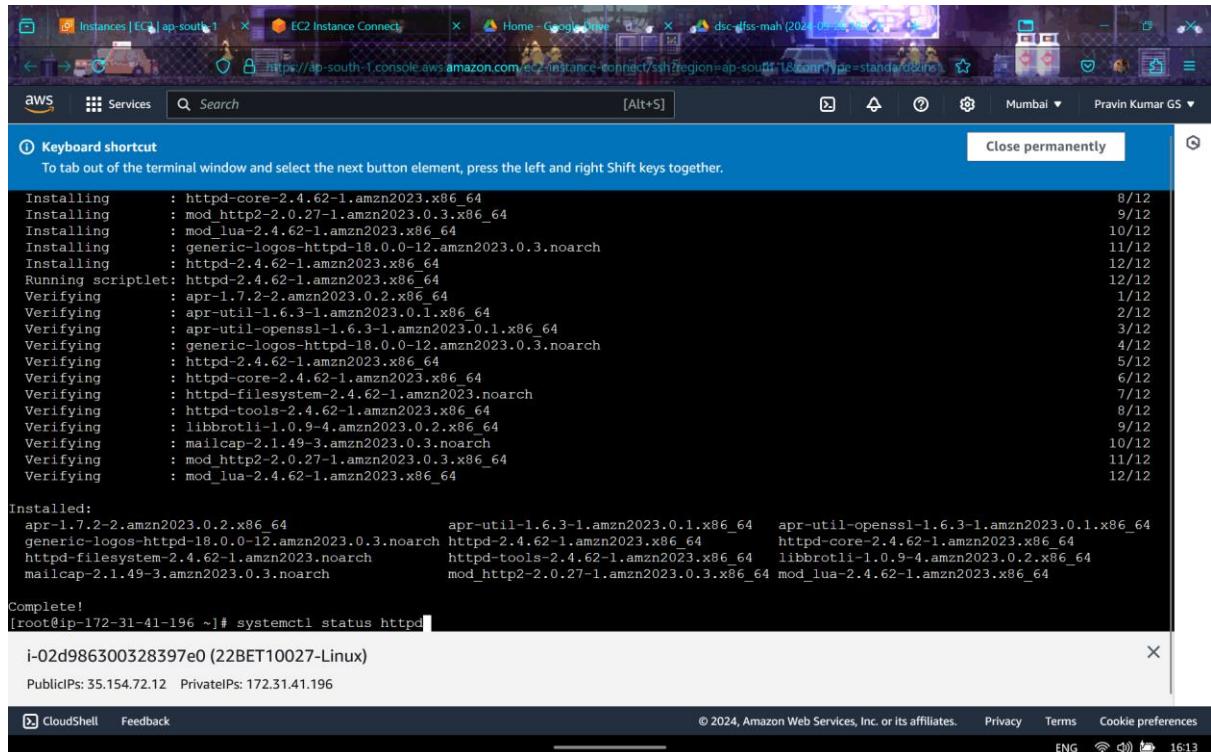
i-02d986300328397e0 (22BET10027-Linux)

PublicIPs: 35.154.72.12 PrivateIPs: 172.31.41.196
```

Step-16:

- The command “`systemctl status httpd`” will let us know the status of the apache server.

- With the help of this command we can see whether the server is active or not and many more.



```

① Keyboard shortcut
To tab out of the terminal window and select the next button element, press the left and right Shift keys together.

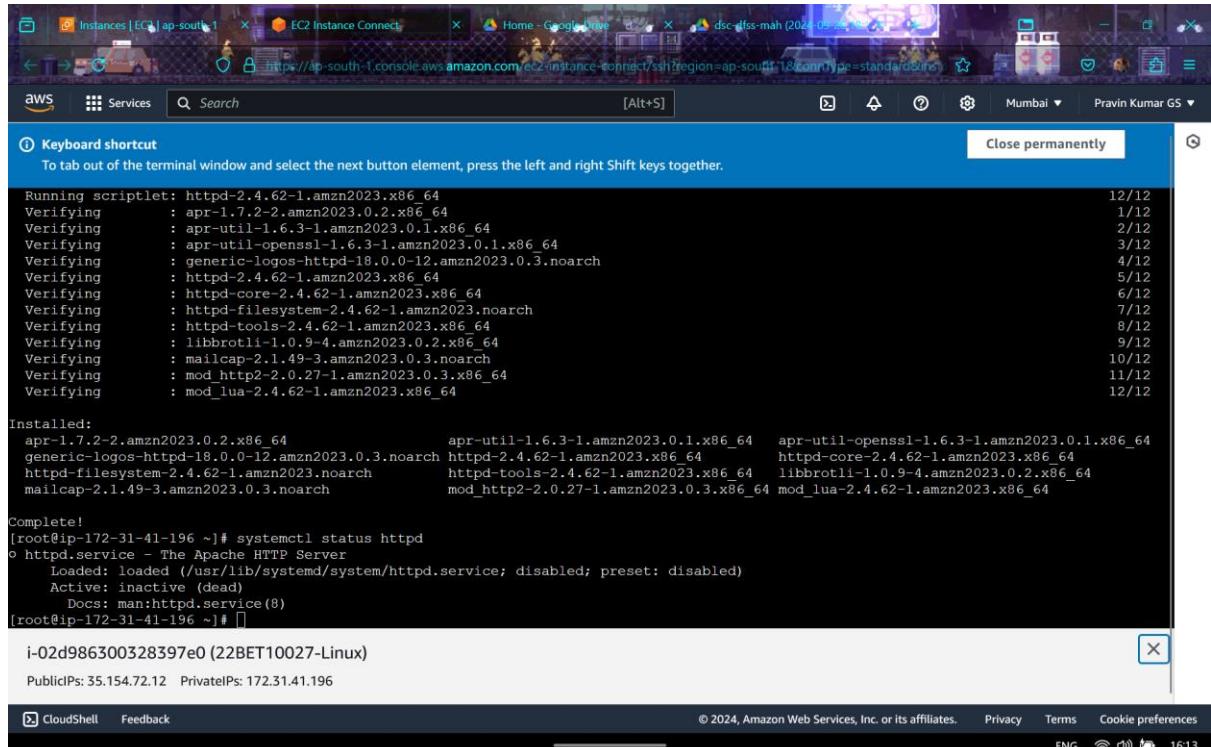
Installing : httpd-core-2.4.62-1.amzn2023.x86_64 8/12
Installing : mod_http2-2.0.27-1.amzn2023.0.3.x86_64 9/12
Installing : mod_lua-2.4.62-1.amzn2023.x86_64 10/12
Installing : generic-logos-httdp-18.0.0-12.amzn2023.0.3.noarch 11/12
Installing : httpd-2.4.62-1.amzn2023.x86_64 12/12
Running scriptlet: httpd-2.4.62-1.amzn2023.x86_64 12/12
Verifying : apr-1.7.2-2.amzn2023.0.2.x86_64 1/12
Verifying : apr-util-1.6.3-1.amzn2023.0.1.x86_64 2/12
Verifying : apr-util-openssl-1.6.3-1.amzn2023.0.1.x86_64 3/12
Verifying : generic-logos-httdp-18.0.0-12.amzn2023.0.3.noarch 4/12
Verifying : httpd-2.4.62-1.amzn2023.x86_64 5/12
Verifying : httpd-core-2.4.62-1.amzn2023.x86_64 6/12
Verifying : httpd-filesystem-2.4.62-1.amzn2023.noarch 7/12
Verifying : httpd-tools-2.4.62-1.amzn2023.x86_64 8/12
Verifying : libbrotli-1.0.9-4.amzn2023.0.2.x86_64 9/12
Verifying : mailcap-2.1.49-3.amzn2023.0.3.noarch 10/12
Verifying : mod_http2-2.0.27-1.amzn2023.0.3.x86_64 11/12
Verifying : mod_lua-2.4.62-1.amzn2023.x86_64 12/12

Installed:
apr-1.7.2-2.amzn2023.0.2.x86_64      apr-util-1.6.3-1.amzn2023.0.1.x86_64  apr-util-openssl-1.6.3-1.amzn2023.0.1.x86_64
generic-logos-httdp-18.0.0-12.amzn2023.0.3.noarch httpd-2.4.62-1.amzn2023.x86_64  httpd-core-2.4.62-1.amzn2023.x86_64
httpd-filesystem-2.4.62-1.amzn2023.noarch httpd-tools-2.4.62-1.amzn2023.x86_64  libbrotli-1.0.9-4.amzn2023.0.2.x86_64
mailcap-2.1.49-3.amzn2023.0.3.noarch mod_http2-2.0.27-1.amzn2023.0.3.x86_64 mod_lua-2.4.62-1.amzn2023.x86_64

Complete!
[root@ip-172-31-41-196 ~]# systemctl status httpd
i-02d986300328397e0 (22BET10027-Linux)
PublicIPs: 35.154.72.12 PrivateIPs: 172.31.41.196

```

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```

① Keyboard shortcut
To tab out of the terminal window and select the next button element, press the left and right Shift keys together.

Running scriptlet: httpd-2.4.62-1.amzn2023.x86_64 12/12
Verifying : apr-1.7.2-2.amzn2023.0.2.x86_64 1/12
Verifying : apr-util-1.6.3-1.amzn2023.0.1.x86_64 2/12
Verifying : apr-util-openssl-1.6.3-1.amzn2023.0.1.x86_64 3/12
Verifying : generic-logos-httdp-18.0.0-12.amzn2023.0.3.noarch 4/12
Verifying : httpd-2.4.62-1.amzn2023.x86_64 5/12
Verifying : httpd-core-2.4.62-1.amzn2023.x86_64 6/12
Verifying : httpd-filesystem-2.4.62-1.amzn2023.noarch 7/12
Verifying : httpd-tools-2.4.62-1.amzn2023.x86_64 8/12
Verifying : libbrotli-1.0.9-4.amzn2023.0.2.x86_64 9/12
Verifying : mailcap-2.1.49-3.amzn2023.0.3.noarch 10/12
Verifying : mod_http2-2.0.27-1.amzn2023.0.3.x86_64 11/12
Verifying : mod_lua-2.4.62-1.amzn2023.x86_64 12/12

Installed:
apr-1.7.2-2.amzn2023.0.2.x86_64      apr-util-1.6.3-1.amzn2023.0.1.x86_64  apr-util-openssl-1.6.3-1.amzn2023.0.1.x86_64
generic-logos-httdp-18.0.0-12.amzn2023.0.3.noarch httpd-2.4.62-1.amzn2023.x86_64  httpd-core-2.4.62-1.amzn2023.x86_64
httpd-filesystem-2.4.62-1.amzn2023.noarch httpd-tools-2.4.62-1.amzn2023.x86_64  libbrotli-1.0.9-4.amzn2023.0.2.x86_64
mailcap-2.1.49-3.amzn2023.0.3.noarch mod_http2-2.0.27-1.amzn2023.0.3.x86_64 mod_lua-2.4.62-1.amzn2023.x86_64

Complete!
[root@ip-172-31-41-196 ~]# systemctl status httpd
● httpd.service - The Apache HTTP Server
  Loaded: loaded (/usr/lib/systemd/system/httpd.service; disabled; preset: disabled)
    Active: inactive (dead)
      Docs: man:httpd.service(8)
[root@ip-172-31-41-196 ~]#
i-02d986300328397e0 (22BET10027-Linux)
PublicIPs: 35.154.72.12 PrivateIPs: 172.31.41.196

```

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Step-17:

- The command “mkdir temp” will help us to create a temporary directory.

- In this command “mkdir” refers to ‘make directory’ and “temp” refers to ‘temporary’.

```

Instances | EC2 | ap-south-1 EC2 Instance Connect Home - Google Drive dsc-lfss-mah (2024-05-29) 
https://ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=ap-south-1&connType=standard&instId=i-02d986300328397e0 (22BET10027-Linux)
aws Services Search [Alt+S] Close permanently
① Keyboard shortcut To tab out of the terminal window and select the next button element, press the left and right Shift keys together.

Running scriptlet: httpd-2.4.62-1.amzn2023.x86_64 12/12
Verifying : apr-1.7.2-2.amzn2023.0.2.x86_64 1/12
Verifying : apr-util-1.6.3-1.amzn2023.0.1.x86_64 2/12
Verifying : apr-util-openssl-1.6.3-1.amzn2023.0.1.x86_64 3/12
Verifying : generic-logos-httpd-18.0.0-12.amzn2023.0.3.noarch 4/12
Verifying : httpd-2.4.62-1.amzn2023.x86_64 5/12
Verifying : httpd-core-2.4.62-1.amzn2023.x86_64 6/12
Verifying : httpd-filesystem-2.4.62-1.amzn2023.noarch 7/12
Verifying : httpd-tools-2.4.62-1.amzn2023.x86_64 8/12
Verifying : libbrotli-1.0.9-4.amzn2023.0.2.x86_64 9/12
Verifying : mailcap-2.1.49-3.amzn2023.0.3.noarch 10/12
Verifying : mod_http2-2.0.27-1.amzn2023.0.3.x86_64 11/12
Verifying : mod_lua-2.4.62-1.amzn2023.x86_64 12/12

Installed:
apr-1.7.2-2.amzn2023.0.2.x86_64      apr-util-1.6.3-1.amzn2023.0.1.x86_64  apr-util-openssl-1.6.3-1.amzn2023.0.1.x86_64
generic-logos-httpd-18.0.0-12.amzn2023.0.3.noarch  httpd-2.4.62-1.amzn2023.x86_64  httpd-core-2.4.62-1.amzn2023.x86_64
httpd-filesystem-2.4.62-1.amzn2023.noarch  httpd-tools-2.4.62-1.amzn2023.x86_64  libbrotli-1.0.9-4.amzn2023.0.2.x86_64
mailcap-2.1.49-3.amzn2023.0.3.noarch    mod_http2-2.0.27-1.amzn2023.0.3.x86_64  mod_lua-2.4.62-1.amzn2023.x86_64

Complete!
[root@ip-172-31-41-196 ~]# systemctl status httpd
● httpd.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/httpd.service; disabled; preset: disabled)
     Active: inactive (dead)
       Docs: man:httpd.service(8)
[root@ip-172-31-41-196 ~]# mkdir temp
i-02d986300328397e0 (22BET10027-Linux)
PublicIPs: 35.154.72.12 PrivateIPs: 172.31.41.196

```

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```

Instances | EC2 | ap-south-1 EC2 Instance Connect Home - Google Drive dsc-lfss-mah (2024-05-29) 
https://ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=ap-south-1&connType=standard&instId=i-02d986300328397e0 (22BET10027-Linux)
aws Services Search [Alt+S] Close permanently
① Keyboard shortcut To tab out of the terminal window and select the next button element, press the left and right Shift keys together.

Verifying : apr-util-openssl-1.6.3-1.amzn2023.0.1.x86_64 3/12
Verifying : generic-logos-httpd-18.0.0-12.amzn2023.0.3.noarch 4/12
Verifying : httpd-2.4.62-1.amzn2023.x86_64 5/12
Verifying : httpd-core-2.4.62-1.amzn2023.x86_64 6/12
Verifying : httpd-filesystem-2.4.62-1.amzn2023.noarch 7/12
Verifying : httpd-tools-2.4.62-1.amzn2023.x86_64 8/12
Verifying : libbrotli-1.0.9-4.amzn2023.0.2.x86_64 9/12
Verifying : mailcap-2.1.49-3.amzn2023.0.3.noarch 10/12
Verifying : mod_http2-2.0.27-1.amzn2023.0.3.x86_64 11/12
Verifying : mod_lua-2.4.62-1.amzn2023.x86_64 12/12

Installed:
apr-1.7.2-2.amzn2023.0.2.x86_64      apr-util-1.6.3-1.amzn2023.0.1.x86_64  apr-util-openssl-1.6.3-1.amzn2023.0.1.x86_64
generic-logos-httpd-18.0.0-12.amzn2023.0.3.noarch  httpd-2.4.62-1.amzn2023.x86_64  httpd-core-2.4.62-1.amzn2023.x86_64
httpd-filesystem-2.4.62-1.amzn2023.noarch  httpd-tools-2.4.62-1.amzn2023.x86_64  libbrotli-1.0.9-4.amzn2023.0.2.x86_64
mailcap-2.1.49-3.amzn2023.0.3.noarch    mod_http2-2.0.27-1.amzn2023.0.3.x86_64  mod_lua-2.4.62-1.amzn2023.x86_64

Complete!
[root@ip-172-31-41-196 ~]# systemctl status httpd
● httpd.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/httpd.service; disabled; preset: disabled)
     Active: inactive (dead)
       Docs: man:httpd.service(8)
[root@ip-172-31-41-196 ~]# mkdir temp
[root@ip-172-31-41-196 ~]# ls temp
[root@ip-172-31-41-196 ~]#
i-02d986300328397e0 (22BET10027-Linux)
PublicIPs: 35.154.72.12 PrivateIPs: 172.31.41.196

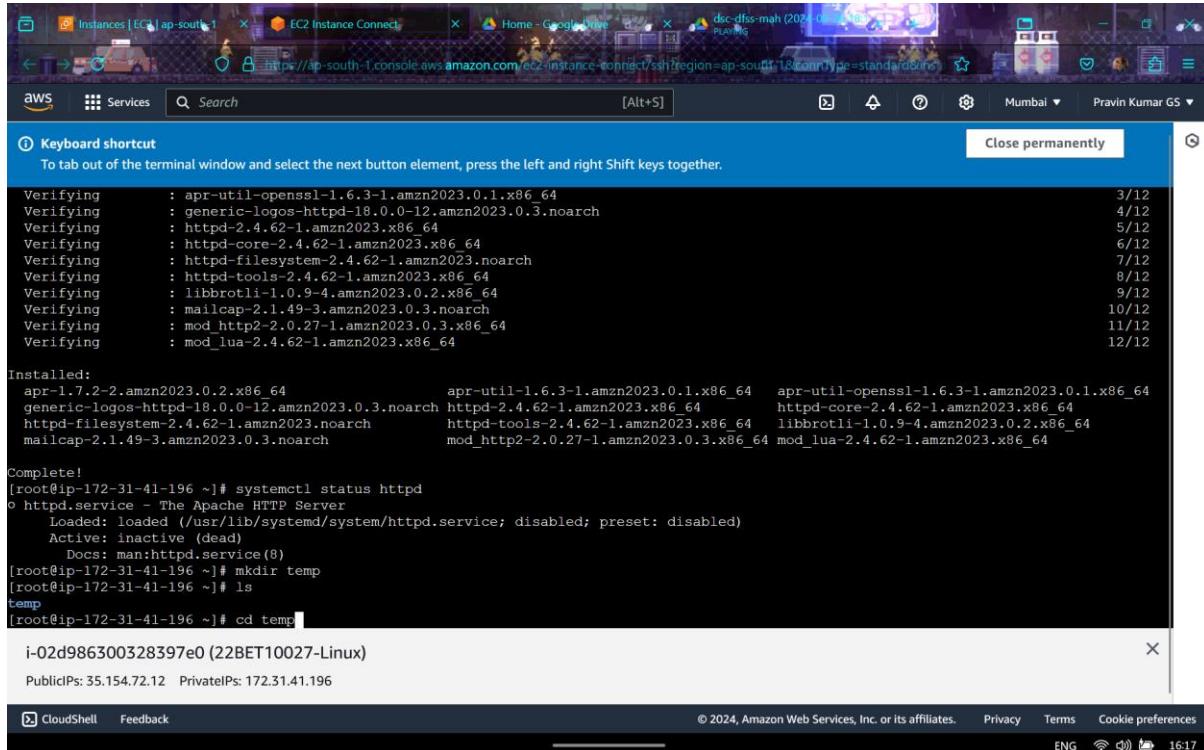
```

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Step-18:

- The command “cd temp” will take us inside the temporary directory which we created.

- In this command “cd” refers to ‘change directory’ which can be used to take us inside a directory or go back.



```

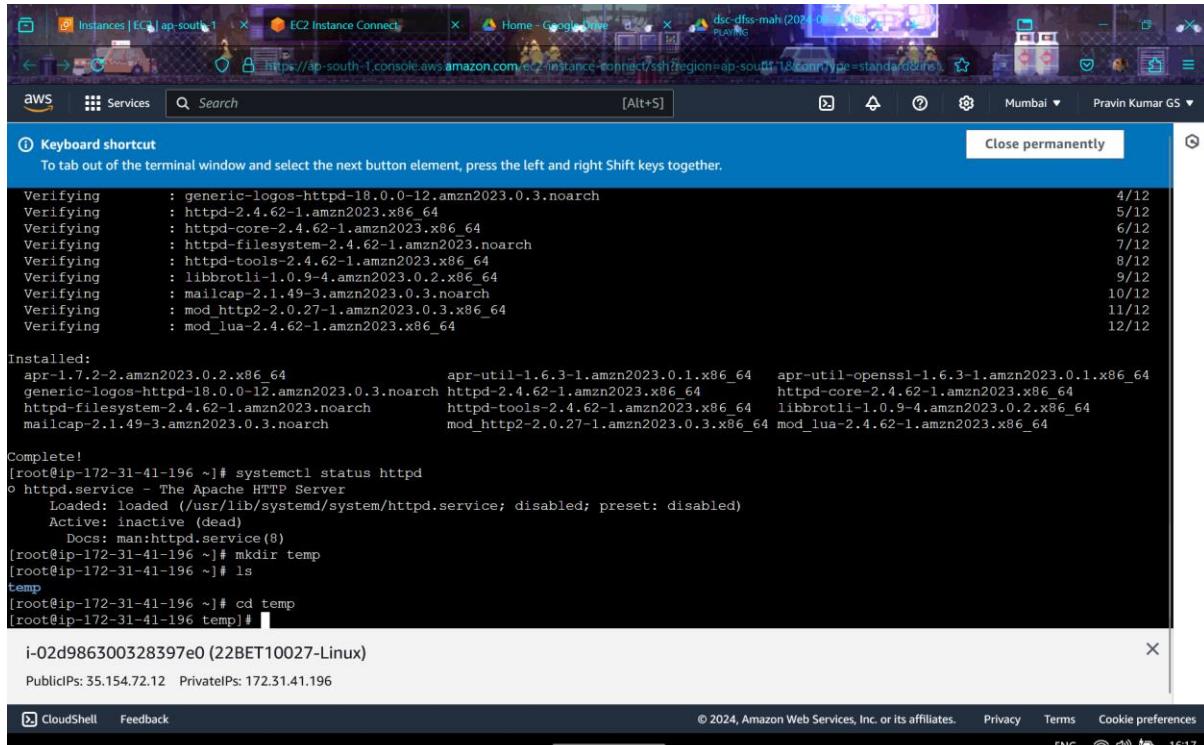
Instances | EC2 | ap-south-1 | EC2 Instance Connect | Home - Google Drive | dsc-dfss-mah (2024-01-18) | PLAYING
https://ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=ap-south-1&commType=standard&id=
[Alt+S] Close permanently
① Keyboard shortcut
To tab out of the terminal window and select the next button element, press the left and right Shift keys together.

Verifying : apr-util-openssl-1.6.3-1.amzn2023.0.1.x86_64 3/12
Verifying : generic-logos-httd-18.0.0-12.amzn2023.0.3.noarch 4/12
Verifying : httpd-2.4.62-1.amzn2023.x86_64 5/12
Verifying : httpd-core-2.4.62-1.amzn2023.x86_64 6/12
Verifying : httpd-filesystem-2.4.62-1.amzn2023.noarch 7/12
Verifying : httpd-tools-2.4.62-1.amzn2023.x86_64 8/12
Verifying : libbrotli-1.0.9-4.amzn2023.0.2.x86_64 9/12
Verifying : mailcap-2.1.49-3.amzn2023.0.3.noarch 10/12
Verifying : mod_http2-2.0.27-1.amzn2023.0.3.x86_64 11/12
Verifying : mod_lua-2.4.62-1.amzn2023.x86_64 12/12

Installed:
apr-1.7.2-2.amzn2023.0.2.x86_64      apr-util-1.6.3-1.amzn2023.0.1.x86_64  apr-util-openssl-1.6.3-1.amzn2023.0.1.x86_64
generic-logos-httd-18.0.0-12.amzn2023.0.3.noarch  httpd-2.4.62-1.amzn2023.x86_64  httpd-core-2.4.62-1.amzn2023.x86_64
httpd-filesystem-2.4.62-1.amzn2023.noarch  httpd-tools-2.4.62-1.amzn2023.x86_64  libbrotli-1.0.9-4.amzn2023.0.2.x86_64
mailcap-2.1.49-3.amzn2023.0.3.noarch    mod_http2-2.0.27-1.amzn2023.0.3.x86_64  mod_lua-2.4.62-1.amzn2023.x86_64

Complete!
[root@ip-172-31-41-196 ~]# systemctl status httpd
● httpd.service - The Apache HTTP Server
  Loaded: loaded (/usr/lib/systemd/system/httpd.service; disabled; preset: disabled)
    Active: inactive (dead)
      Docs: man:httpd.service(8)
[root@ip-172-31-41-196 ~]# mkdir temp
[root@ip-172-31-41-196 ~]# ls
temp
[root@ip-172-31-41-196 ~]# cd temp
i-02d986300328397e0 (22BET10027-Linux)
PublicIPs: 35.154.72.12 PrivateIPs: 172.31.41.196
CloudShell Feedback © 2024, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences ENG 16:17

```



```

Instances | EC2 | ap-south-1 | EC2 Instance Connect | Home - Google Drive | dsc-dfss-mah (2024-01-18) | PLAYING
https://ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=ap-south-1&commType=standard&id=
[Alt+S] Close permanently
① Keyboard shortcut
To tab out of the terminal window and select the next button element, press the left and right Shift keys together.

Verifying : generic-logos-httd-18.0.0-12.amzn2023.0.3.noarch 4/12
Verifying : httpd-2.4.62-1.amzn2023.x86_64 5/12
Verifying : httpd-core-2.4.62-1.amzn2023.x86_64 6/12
Verifying : httpd-filesystem-2.4.62-1.amzn2023.noarch 7/12
Verifying : httpd-tools-2.4.62-1.amzn2023.x86_64 8/12
Verifying : libbrotli-1.0.9-4.amzn2023.0.2.x86_64 9/12
Verifying : mailcap-2.1.49-3.amzn2023.0.3.noarch 10/12
Verifying : mod_http2-2.0.27-1.amzn2023.0.3.x86_64 11/12
Verifying : mod_lua-2.4.62-1.amzn2023.x86_64 12/12

Installed:
apr-1.7.2-2.amzn2023.0.2.x86_64      apr-util-1.6.3-1.amzn2023.0.1.x86_64  apr-util-openssl-1.6.3-1.amzn2023.0.1.x86_64
generic-logos-httd-18.0.0-12.amzn2023.0.3.noarch  httpd-2.4.62-1.amzn2023.x86_64  httpd-core-2.4.62-1.amzn2023.x86_64
httpd-filesystem-2.4.62-1.amzn2023.noarch  httpd-tools-2.4.62-1.amzn2023.x86_64  libbrotli-1.0.9-4.amzn2023.0.2.x86_64
mailcap-2.1.49-3.amzn2023.0.3.noarch    mod_http2-2.0.27-1.amzn2023.0.3.x86_64  mod_lua-2.4.62-1.amzn2023.x86_64

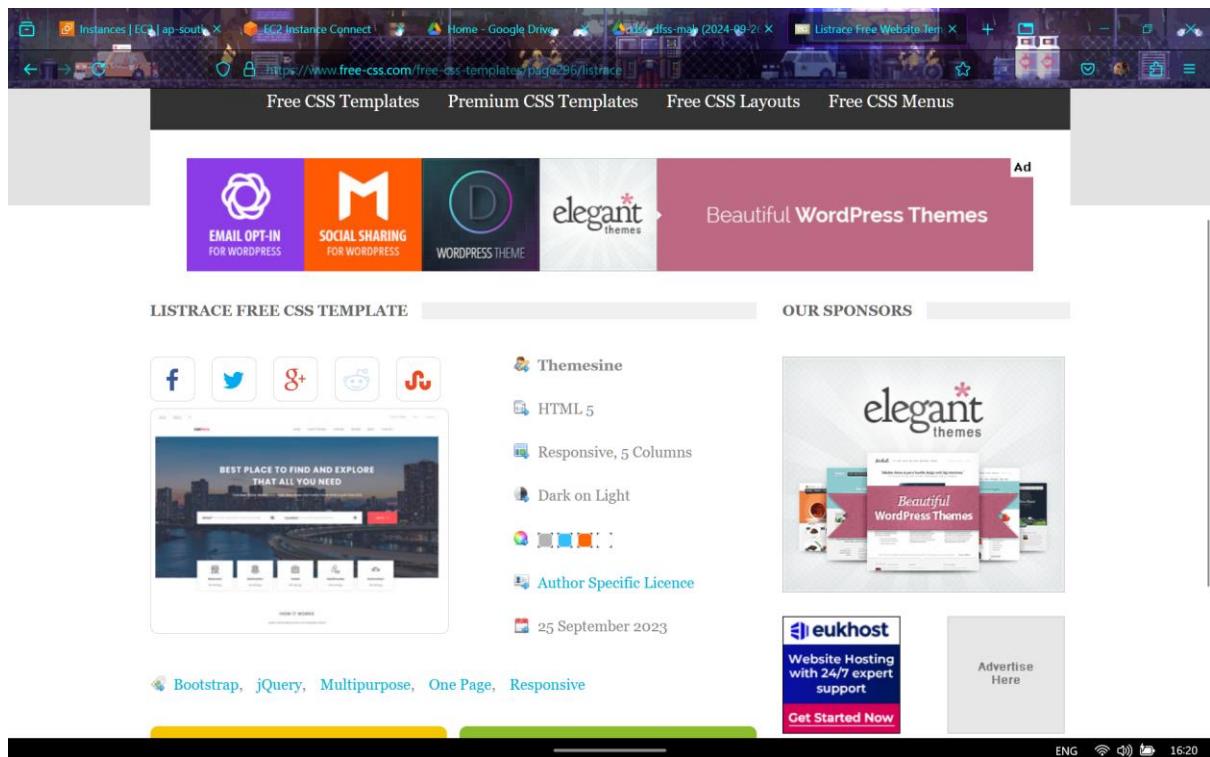
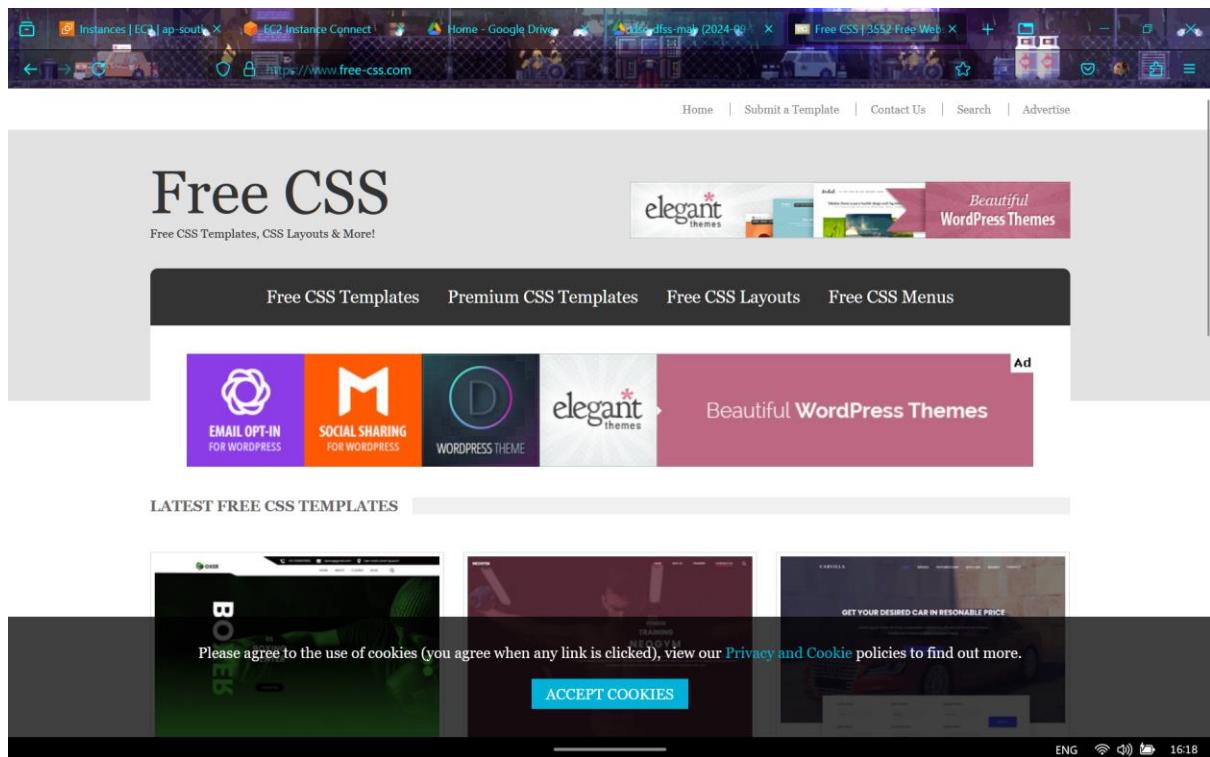
Complete!
[root@ip-172-31-41-196 ~]# systemctl status httpd
● httpd.service - The Apache HTTP Server
  Loaded: loaded (/usr/lib/systemd/system/httpd.service; disabled; preset: disabled)
    Active: inactive (dead)
      Docs: man:httpd.service(8)
[root@ip-172-31-41-196 ~]# mkdir temp
[root@ip-172-31-41-196 ~]# ls
temp
[root@ip-172-31-41-196 ~]# cd temp
i-02d986300328397e0 (22BET10027-Linux)
PublicIPs: 35.154.72.12 PrivateIPs: 172.31.41.196
CloudShell Feedback © 2024, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences ENG 16:17

```

Step-19:

- Download some free templates(wepages) from online to publish it through the instance.

➤ Copy the link of the template download.



Step-20:

- Using the command “wget <link>” we can download from any online platform to our instance.

```

Verifying : generic-logos-httplib-18.0.0-12.amzn2023.0.3.noarch           4/12
Verifying : httpd-2.4.62-1.amzn2023.x86_64                           5/12
Verifying : httpd-core-2.4.62-1.amzn2023.x86_64                         6/12
Verifying : httpd-filesystem-2.4.62-1.amzn2023.noarch                   7/12
Verifying : httpd-tools-2.4.62-1.amzn2023.x86_64                        8/12
Verifying : libbrotli-1.0.9-4.amzn2023.0.2.x86_64                      9/12
Verifying : mailcap-2.1.49-3.amzn2023.0.3.noarch                     10/12
Verifying : mod_http2-2.0.27-1.amzn2023.0.3.x86_64                    11/12
Verifying : mod_lua-2.4.62-1.amzn2023.x86_64                      12/12

Installed:
  apr-1.7.2-2.amzn2023.0.2.x86_64          apr-util-1.6.3-1.amzn2023.0.1.x86_64    apr-util-openssl-1.6.3-1.amzn2023.0.1.x86_64
  generic-logos-httplib-18.0.0-12.amzn2023.0.3.noarch      httpd-2.4.62-1.amzn2023.x86_64        httpd-core-2.4.62-1.amzn2023.x86_64
  httpd-filesystem-2.4.62-1.amzn2023.noarch      httpd-tools-2.4.62-1.amzn2023.x86_64    libbrotli-1.0.9-4.amzn2023.0.2.x86_64
  mailcap-2.1.49-3.amzn2023.0.3.noarch        mod_http2-2.0.27-1.amzn2023.0.3.x86_64   mod_lua-2.4.62-1.amzn2023.x86_64

Complete!
[root@ip-172-31-41-196 ~]# systemctl status httpd
● httpd.service - The Apache HTTP Server
  Loaded: loaded (/usr/lib/systemd/system/httpd.service; disabled; preset: disabled)
  Active: inactive (dead)
    Docs: man:httpd.service(8)
[root@ip-172-31-41-196 ~]# mkdir temp
[root@ip-172-31-41-196 ~]#
temp
[root@ip-172-31-41-196 ~]# cd temp
[root@ip-172-31-41-196 temp]# wget https://www.free-css.com/assets/files/free-css-templates/download/page296/listrace.zip
i-02d986300328397e0 (22BET10027-Linux)

PublicIPs: 35.154.72.12 PrivateIPs: 172.31.41.196

```

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```

generic-logos-httplib-18.0.0-12.amzn2023.0.3.noarch httpd-2.4.62-1.amzn2023.x86_64      httpd-core-2.4.62-1.amzn2023.x86_64
httpd-filesystem-2.4.62-1.amzn2023.noarch          httpd-tools-2.4.62-1.amzn2023.x86_64    libbrotli-1.0.9-4.amzn2023.0.2.x86_64
mailcap-2.1.49-3.amzn2023.0.3.noarch            mod_http2-2.0.27-1.amzn2023.0.3.x86_64   mod_lua-2.4.62-1.amzn2023.x86_64

Complete!
[root@ip-172-31-41-196 ~]# systemctl status httpd
● httpd.service - The Apache HTTP Server
  Loaded: loaded (/usr/lib/systemd/system/httpd.service; disabled; preset: disabled)
  Active: inactive (dead)
    Docs: man:httpd.service(8)
[root@ip-172-31-41-196 ~]# mkdir temp
[root@ip-172-31-41-196 ~]#
temp
[root@ip-172-31-41-196 ~]# cd temp
[root@ip-172-31-41-196 temp]# wget https://www.free-css.com/assets/files/free-css-templates/download/page296/listtrace.zip
--2024-10-13 10:50:59-- https://www.free-css.com/assets/files/free-css-templates/download/page296/listtrace.zip
Resolving www.free-css.com (www.free-css.com)... 217.160.0.242, 2001:8d8:100f:f000::28f
Connecting to www.free-css.com (www.free-css.com) |217.160.0.242|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 2346106 (2.2M) [application/zip]
Saving to: 'listtrace.zip'

listtrace.zip    100%[=====]  2.24M  2.10MB/s  in 1.0s

2024-10-13 10:51:01 (2.18 MB/s) - 'listtrace.zip' saved [2346106/2346106]

[root@ip-172-31-41-196 temp]#
i-02d986300328397e0 (22BET10027-Linux)

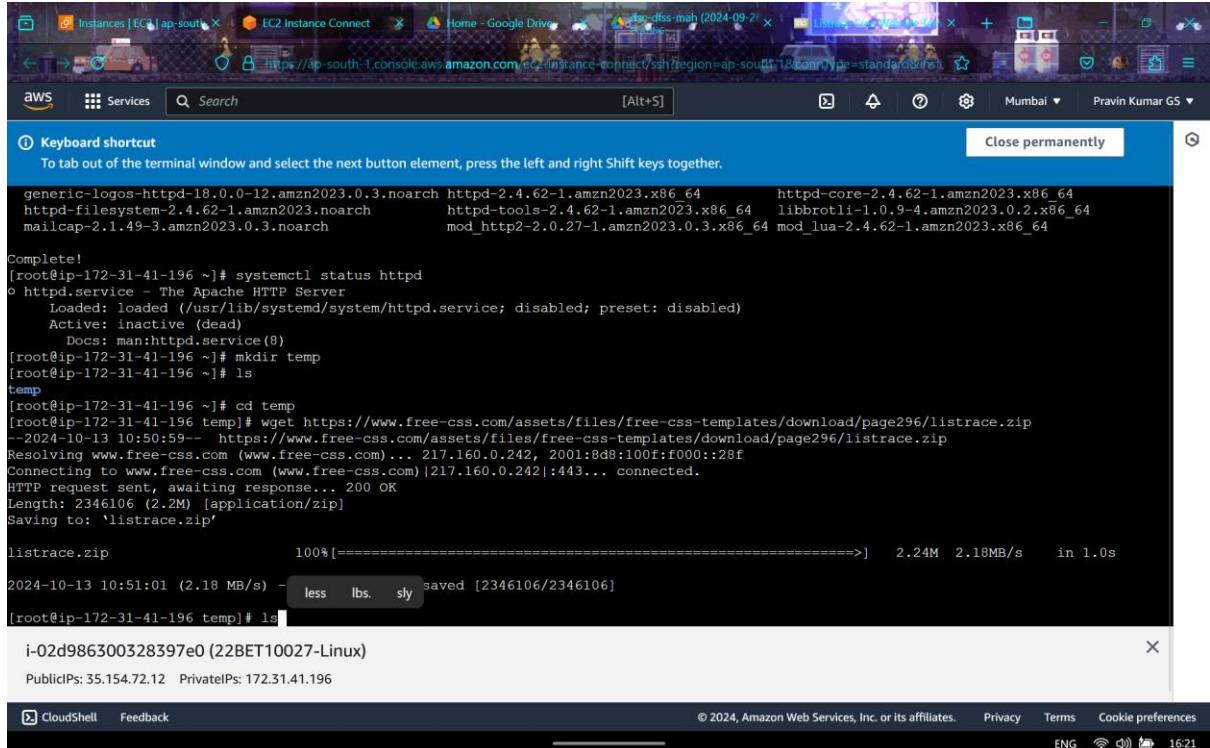
PublicIPs: 35.154.72.12 PrivateIPs: 172.31.41.196

```

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Step-21:

- The command “ls” is to print all the contents and files inside the directory which we are working with.
- The command “ls” stands for ‘list all the elements’.



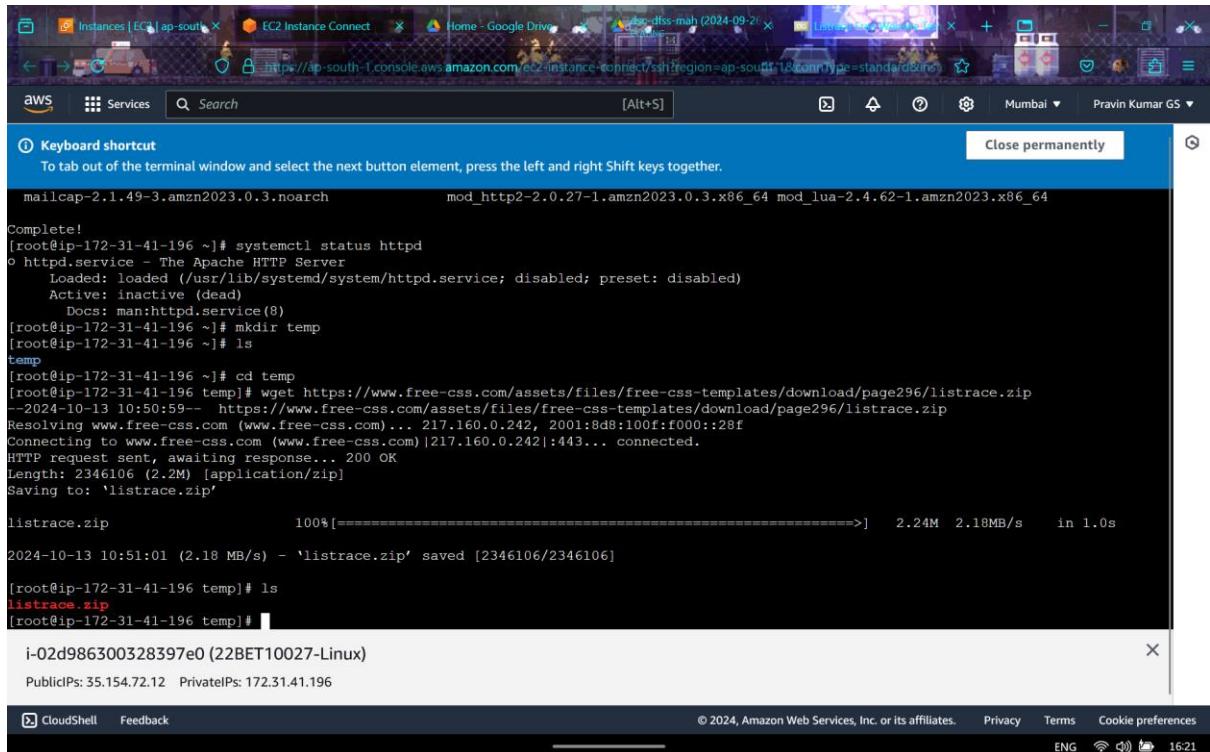
The screenshot shows a CloudShell session on an AWS instance. The terminal window displays the following command and its output:

```
generic-logos-httd-18.0.0-12.amzn2023.0.3.noarch httpd-2.4.62-1.amzn2023.x86_64 httpd-core-2.4.62-1.amzn2023.x86_64
httpd-filesystem-2.4.62-1.amzn2023.noarch httpd-tools-2.4.62-1.amzn2023.x86_64 libbrotli-1.0.9-4.amzn2023.0.2.x86_64
mailcap-2.1.49-3.amzn2023.0.3.noarch mod_http2-2.0.27-1.amzn2023.0.3.x86_64 mod_lua-2.4.62-1.amzn2023.x86_64

Complete!
[root@ip-172-31-41-196 ~]# systemctl status httpd
● httpd.service - The Apache HTTP Server
  Loaded: loaded (/usr/lib/systemd/system/httpd.service; disabled; preset: disabled)
  Active: inactive (dead)
    Docs: man:httpd.service(8)
[root@ip-172-31-41-196 ~]# mkdir temp
[root@ip-172-31-41-196 ~]# ls
temp
[root@ip-172-31-41-196 ~]# cd temp
[root@ip-172-31-41-196 temp]# wget https://www.free-css.com/assets/files/free-css-templates/download/page296/listrace.zip
--2024-10-13 10:50:59-- https://www.free-css.com/assets/files/free-css-templates/download/page296/listtrace.zip
Resolving www.free-css.com (www.free-css.com)... 217.160.0.242, 2001:8d8:100f:f000::28f
Connecting to www.free-css.com (www.free-css.com) |217.160.0.242|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 2346106 (2.2M) [application/zip]
Saving to: 'listtrace.zip'

listtrace.zip          100%[=====] 2.24M 2.10MB/s   in 1.0s
2024-10-13 10:51:01 (2.18 MB/s) - less lbs. sly saved [2346106/2346106]
[root@ip-172-31-41-196 temp]# ls
i-02d986300328397e0 (22BET10027-Linux)
PublicIPs: 35.154.72.12 PrivateIPs: 172.31.41.196

```



The screenshot shows a CloudShell session on an AWS instance. The terminal window displays the following command and its output:

```
mailcap-2.1.49-3.amzn2023.0.3.noarch mod_http2-2.0.27-1.amzn2023.0.3.x86_64 mod_lua-2.4.62-1.amzn2023.x86_64

Complete!
[root@ip-172-31-41-196 ~]# systemctl status httpd
● httpd.service - The Apache HTTP Server
  Loaded: loaded (/usr/lib/systemd/system/httpd.service; disabled; preset: disabled)
  Active: inactive (dead)
    Docs: man:httpd.service(8)
[root@ip-172-31-41-196 ~]# mkdir temp
[root@ip-172-31-41-196 ~]# ls
temp
[root@ip-172-31-41-196 ~]# cd temp
[root@ip-172-31-41-196 temp]# wget https://www.free-css.com/assets/files/free-css-templates/download/page296/listtrace.zip
--2024-10-13 10:50:59-- https://www.free-css.com/assets/files/free-css-templates/download/page296/listtrace.zip
Resolving www.free-css.com (www.free-css.com)... 217.160.0.242, 2001:8d8:100f:f000::28f
Connecting to www.free-css.com (www.free-css.com) |217.160.0.242|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 2346106 (2.2M) [application/zip]
Saving to: 'listtrace.zip'

listtrace.zip          100%[=====] 2.24M 2.10MB/s   in 1.0s
2024-10-13 10:51:01 (2.18 MB/s) - 'listtrace.zip' saved [2346106/2346106]
[root@ip-172-31-41-196 temp]# ls
listtrace.zip
[root@ip-172-31-41-196 temp]# 
```

Step-22:

➤ To unzip the zip file you need the command “unzip <filename.extension>” and it will unzip the file which you downloaded using wget.

```

Instances | EC2 | ap-south-1 | EC2 Instance Connect | Home - Google Drive | AWS CloudWatch Metrics (2024-09-20) | Lambda Log Viewer - 1 | + | Services | Search | [Alt+S] | Close permanently | Mumbai | Pravin Kumar GS
① Keyboard shortcut
To tab out of the terminal window and select the next button element, press the left and right Shift keys together.

mailcap-2.1.49-3.amzn2023.0.3.noarch          mod_http2-2.0.27-1.amzn2023.0.3.x86_64 mod_lua-2.4.62-1.amzn2023.x86_64

Complete!
[root@ip-172-31-41-196 ~]# systemctl status httpd
● httpd.service - The Apache HTTP Server
  Loaded: loaded (/usr/lib/systemd/system/httpd.service; disabled; preset: disabled)
    Active: inactive (dead)
      Docs: man:httpd.service(8)
[root@ip-172-31-41-196 ~]# mkdir temp
[root@ip-172-31-41-196 ~]# ls temp
[root@ip-172-31-41-196 ~]# cd temp
[root@ip-172-31-41-196 temp]# wget https://www.free-css.com/assets/files/free-css-templates/download/page296/listrace.zip
--2024-10-13 10:50:59-- https://www.free-css.com/assets/files/free-css-templates/download/page296/listtrace.zip
Resolving www.free-css.com (www.free-css.com)... 217.160.0.242, 2001:0d8:100f:f000:28f
Connecting to www.free-css.com (www.free-css.com)|217.160.0.242|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 2346106 (2.2M) [application/zip]
Saving to: 'listtrace.zip'

listtrace.zip           100%[=====]  2.24M  2.18MB/s   in 1.0s

2024-10-13 10:51:01 (2.18 MB/s) - 'listtrace.zip' saved [2346106/2346106]

[root@ip-172-31-41-196 temp]# ls
listtrace.zip
[root@ip-172-31-41-196 temp]# unzip listtrace.zip
i-02d986300328397e0 (22BET10027-Linux)
PublicIPs: 35.154.72.12 PrivateIPs: 172.31.41.196

```

The screenshot shows a CloudShell terminal window with a blue header bar. The terminal content displays a series of Linux commands: `systemctl status httpd` (status of the Apache HTTP Server), `mkdir temp` (create a temporary directory), `ls temp` (list contents of temp), `cd temp` (change directory to temp), `wget https://www.free-css.com/assets/files/free-css-templates/download/page296/listtrace.zip` (download the listtrace.zip file), `ls` (list contents of temp again to show the download), and `unzip listtrace.zip` (extract the zip file). The terminal also shows the instance ID `i-02d986300328397e0` and public/private IP addresses. The bottom of the window includes standard AWS navigation links like CloudShell, Feedback, and a footer with copyright information and language settings.

```

Instances | EC2 | ap-south-1 | EC2 Instance Connect | Home - Google Drive | AWS CloudWatch Metrics (2024-09-20) | Lambda Log Viewer - 1 | + | Services | Search | [Alt+S] | Close permanently | Mumbai | Pravin Kumar GS
① Keyboard shortcut
To tab out of the terminal window and select the next button element, press the left and right Shift keys together.

Archive: listtrace.zip
creating: listtrace-v1.0/assets/
creating: listtrace-v1.0/assets/css/
inflating: listtrace-v1.0/assets/css/ajax-loader.gif
inflating: listtrace-v1.0/assets/css/animate.css
inflating: listtrace-v1.0/assets/css/bootstrap.css
inflating: listtrace-v1.0/assets/css/bootstrap.min.css
inflating: listtrace-v1.0/assets/css/flaticon.css
inflating: listtrace-v1.0/assets/css/font-awesome.min.css
creating: listtrace-v1.0/assets/css/fonts/
inflating: listtrace-v1.0/assets/css/fonts/slick.eot
inflating: listtrace-v1.0/assets/css/fonts/slick.svg
inflating: listtrace-v1.0/assets/css/fonts/slick.ttf
inflating: listtrace-v1.0/assets/css/fonts/slick.woff
inflating: listtrace-v1.0/assets/css/linearicons.css
inflating: listtrace-v1.0/assets/css/responsive.css
inflating: listtrace-v1.0/assets/css/slick.css
inflating: listtrace-v1.0/assets/css/slick-theme.css
inflating: listtrace-v1.0/assets/css/style.css
creating: listtrace-v1.0/assets/fonts/
inflating: listtrace-v1.0/assets/fonts/FlatIcon.eot
inflating: listtrace-v1.0/assets/fonts/FlatIcon.svg
inflating: listtrace-v1.0/assets/fonts/FlatIcon.ttf
inflating: listtrace-v1.0/assets/fonts/FlatIcon.woff
inflating: listtrace-v1.0/assets/fonts/FontAwesome.otf
inflating: listtrace-v1.0/assets/fonts/fontawesome-webfont.eot
inflating: listtrace-v1.0/assets/fonts/fontawesome-webfont.svg

i-02d986300328397e0 (22BET10027-Linux)
PublicIPs: 35.154.72.12 PrivateIPs: 172.31.41.196

```

This screenshot shows the continuation of the terminal session from the previous one. It specifically details the extraction of files from the `listtrace.zip` archive. The output shows the creation of directories like `listtrace-v1.0/assets/` and `listtrace-v1.0/assets/fonts/`, and the inflation of numerous CSS and font files such as `ajax-loader.gif`, `animate.css`, `bootstrap.css`, `flaticon.css`, `font-awesome.min.css`, and various font files in EOT, SVG, TTF, and WOFF formats. The instance ID `i-02d986300328397e0` and public/private IP addresses are also present at the bottom.

```
inflating: listrace-v1.0/assets/images/explore/e1.jpg
creating: listrace-v1.0/assets/images/explore/
inflating: listrace-v1.0/assets/images/explore/e2.jpg
inflating: listrace-v1.0/assets/images/explore/e3.jpg
inflating: listrace-v1.0/assets/images/explore/e4.jpg
inflating: listrace-v1.0/assets/images/explore/e5.jpg
inflating: listrace-v1.0/assets/images/explore/e6.jpg
extracting: listrace-v1.0/assets/images/explore/person.png
creating: listrace-v1.0/assets/images/welcome-hero/
inflating: listrace-v1.0/assets/img/
inflating: listrace-v1.0/assets/img/controls.png
creating: listrace-v1.0/assets/js/
inflating: listrace-v1.0/assets/js/bootstrap.js
inflating: listrace-v1.0/assets/js/bootstrap.min.js
inflating: listrace-v1.0/assets/js/custom.js
inflating: listrace-v1.0/assets/js/feather.min.js
inflating: listrace-v1.0/assets/js/jquery.counterup.min.js
inflating: listrace-v1.0/assets/js/jquery.js
inflating: listrace-v1.0/assets/js/slick.min.js
inflating: listrace-v1.0/assets/js/waypoints.min.js
creating: listrace-v1.0/assets/logo/
inflating: listrace-v1.0/assets/logo/favicon.png
inflating: listrace-v1.0/index.html
inflating: listrace-v1.0/readme.txt
[root@ip-172-31-41-196 temp]# ls
```

i-02d986300328397e0 (22BET10027-Linux)

Public IPs: 35.154.72.12 Private IPs: 172.31.41.196

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```
inflating: listrace-v1.0/assets/images/explore/e1.jpg
inflating: listrace-v1.0/assets/images/explore/e2.jpg
inflating: listrace-v1.0/assets/images/explore/e3.jpg
inflating: listrace-v1.0/assets/images/explore/e4.jpg
inflating: listrace-v1.0/assets/images/explore/e5.jpg
inflating: listrace-v1.0/assets/images/explore/e6.jpg
extracting: listrace-v1.0/assets/images/explore/person.png
creating: listrace-v1.0/assets/images/welcome-hero/
inflating: listrace-v1.0/assets/images/welcome-hero/banner.jpg
creating: listrace-v1.0/assets/img/
inflating: listrace-v1.0/assets/img/controls.png
creating: listrace-v1.0/assets/js/
inflating: listrace-v1.0/assets/js/bootstrap.js
inflating: listrace-v1.0/assets/js/bootstrap.min.js
inflating: listrace-v1.0/assets/js/custom.js
inflating: listrace-v1.0/assets/js/feather.min.js
inflating: listrace-v1.0/assets/js/jquery.counterup.min.js
inflating: listrace-v1.0/assets/js/jquery.js
inflating: listrace-v1.0/assets/js/slick.min.js
inflating: listrace-v1.0/assets/js/waypoints.min.js
creating: listrace-v1.0/assets/logo/
inflating: listrace-v1.0/assets/logo/favicon.png
inflating: listrace-v1.0/index.html
inflating: listrace-v1.0/readme.txt
[root@ip-172-31-41-196 temp]# ls
listrace-v1.0
[root@ip-172-31-41-196 temp]# 
```

i-02d986300328397e0 (22BET10027-Linux)

Public IPs: 35.154.72.12 Private IPs: 172.31.41.196

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The screenshot shows a terminal window within an AWS CloudShell interface. The terminal output displays a series of file operations, primarily involving inflation and extraction of assets from a zip archive named 'listrace-v1.0'. The logs show files being inflated from 'listrace-v1.0/assets/images/explore' and extracted into various directories like 'js' and 'img'. The terminal prompt indicates the user is root on an EC2 instance.

```
inflating: listrace-v1.0/assets/images/explore/e1.jpg
inflating: listrace-v1.0/assets/images/explore/e2.jpg
inflating: listrace-v1.0/assets/images/explore/e3.jpg
inflating: listrace-v1.0/assets/images/explore/e4.jpg
inflating: listrace-v1.0/assets/images/explore/e5.jpg
inflating: listrace-v1.0/assets/images/explore/e6.jpg
extracting: listrace-v1.0/assets/images/explore/person.png
creating: listrace-v1.0/assets/images/welcome-hero/
inflating: listrace-v1.0/assets/images/welcome-hero/banner.jpg
creating: listrace-v1.0/assets/img/
inflating: listrace-v1.0/assets/img/controls.png
creating: listrace-v1.0/assets/js/
inflating: listrace-v1.0/assets/js/bootstrap.js
inflating: listrace-v1.0/assets/js/bootstrap.min.js
inflating: listrace-v1.0/assets/js/custom.js
inflating: listrace-v1.0/assets/js/feather.min.js
inflating: listrace-v1.0/assets/js/jquery.counterup.min.js
inflating: listrace-v1.0/assets/js/jquery.js
inflating: listrace-v1.0/assets/js/slick.min.js
inflating: listrace-v1.0/assets/js/waypoints.min.js
creating: listrace-v1.0/assets/logo/
inflating: listrace-v1.0/assets/logo/favicon.png
inflating: listrace-v1.0/index.html
inflating: listrace-v1.0/readme.txt
[root@ip-172-31-41-196 temp]# ls
listrace-v1.0  listrace.zip
[root@ip-172-31-41-196 temp]# cd listrace-v1.0
```

i-02d986300328397e0 (22BET10027-Linux)
PublicIPs: 35.154.72.12 PrivateIPs: 172.31.41.196

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This screenshot is identical to the one above, showing the same terminal session within an AWS CloudShell. It displays the extraction of files from 'listrace-v1.0' into the current directory, including images and JavaScript files. The terminal is run as root on an EC2 instance with IP i-02d986300328397e0.

```
inflating: listrace-v1.0/assets/images/explore/e2.jpg
inflating: listrace-v1.0/assets/images/explore/e3.jpg
inflating: listrace-v1.0/assets/images/explore/e4.jpg
inflating: listrace-v1.0/assets/images/explore/e5.jpg
inflating: listrace-v1.0/assets/images/explore/e6.jpg
extracting: listrace-v1.0/assets/images/explore/person.png
creating: listrace-v1.0/assets/images/welcome-hero/
inflating: listrace-v1.0/assets/images/welcome-hero/banner.jpg
creating: listrace-v1.0/assets/img/
inflating: listrace-v1.0/assets/img/controls.png
creating: listrace-v1.0/assets/js/
inflating: listrace-v1.0/assets/js/bootstrap.js
inflating: listrace-v1.0/assets/js/bootstrap.min.js
inflating: listrace-v1.0/assets/js/custom.js
inflating: listrace-v1.0/assets/js/feather.min.js
inflating: listrace-v1.0/assets/js/jquery.counterup.min.js
inflating: listrace-v1.0/assets/js/jquery.js
inflating: listrace-v1.0/assets/js/slick.min.js
inflating: listrace-v1.0/assets/js/waypoints.min.js
creating: listrace-v1.0/assets/logo/
inflating: listrace-v1.0/assets/logo/favicon.png
inflating: listrace-v1.0/index.html
inflating: listrace-v1.0/readme.txt
[root@ip-172-31-41-196 temp]# ls
listrace-v1.0  listrace.zip
[root@ip-172-31-41-196 temp]# cd listrace-v1.0
```

i-02d986300328397e0 (22BET10027-Linux)
PublicIPs: 35.154.72.12 PrivateIPs: 172.31.41.196

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The screenshot shows a CloudShell terminal window with the following session details:

- Region: ap-south-1
- Instance Type: t2.micro
- Public IP: 35.154.72.12
- Private IP: 172.31.41.196
- User: Pravin Kumar GS

The terminal output shows the user navigating through a directory of files and executing commands:

```
inflating: listrace-v1.0/assets/images/explore/e2.jpg
inflating: listrace-v1.0/assets/images/explore/e3.jpg
inflating: listrace-v1.0/assets/images/explore/e4.jpg
inflating: listrace-v1.0/assets/images/explore/e5.jpg
inflating: listrace-v1.0/assets/images/explore/e6.jpg
extracting: listrace-v1.0/assets/images/explore/person.png
creating: listrace-v1.0/assets/images/welcome-hero/
inflating: listrace-v1.0/assets/images/welcome-hero/banner.jpg
creating: listrace-v1.0/assets/img/
creating: listrace-v1.0/assets/js/
inflating: listrace-v1.0/assets/js/bootstrap.js
inflating: listrace-v1.0/assets/js/bootstrap.min.js
inflating: listrace-v1.0/assets/js/custom.js
inflating: listrace-v1.0/assets/js/feather.min.js
inflating: listrace-v1.0/assets/js/jquery.counterup.min.js
inflating: listrace-v1.0/assets/js/jquery.js
inflating: listrace-v1.0/assets/js/slick.min.js
inflating: listrace-v1.0/assets/js/waypoints.min.js
creating: listrace-v1.0/assets/logo/
inflating: listrace-v1.0/assets/logo/favicon.png
inflating: listrace-v1.0/index.html
inflating: listrace-v1.0/readme.txt
[root@ip-172-31-41-196 temp]# ls
listrace-v1.0  listrace.zip  less  lsb  sly
[root@ip-172-31-41-196 listrace-v1.0]# ls
i-02d986300328397e0 (22BET10027-Linux)
PublicIPs: 35.154.72.12  PrivateIPs: 172.31.41.196
```

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The screenshot shows a CloudShell terminal window with the following session details:

- Region: ap-south-1
- Instance Type: t2.micro
- Public IP: 35.154.72.12
- Private IP: 172.31.41.196
- User: Pravin Kumar GS

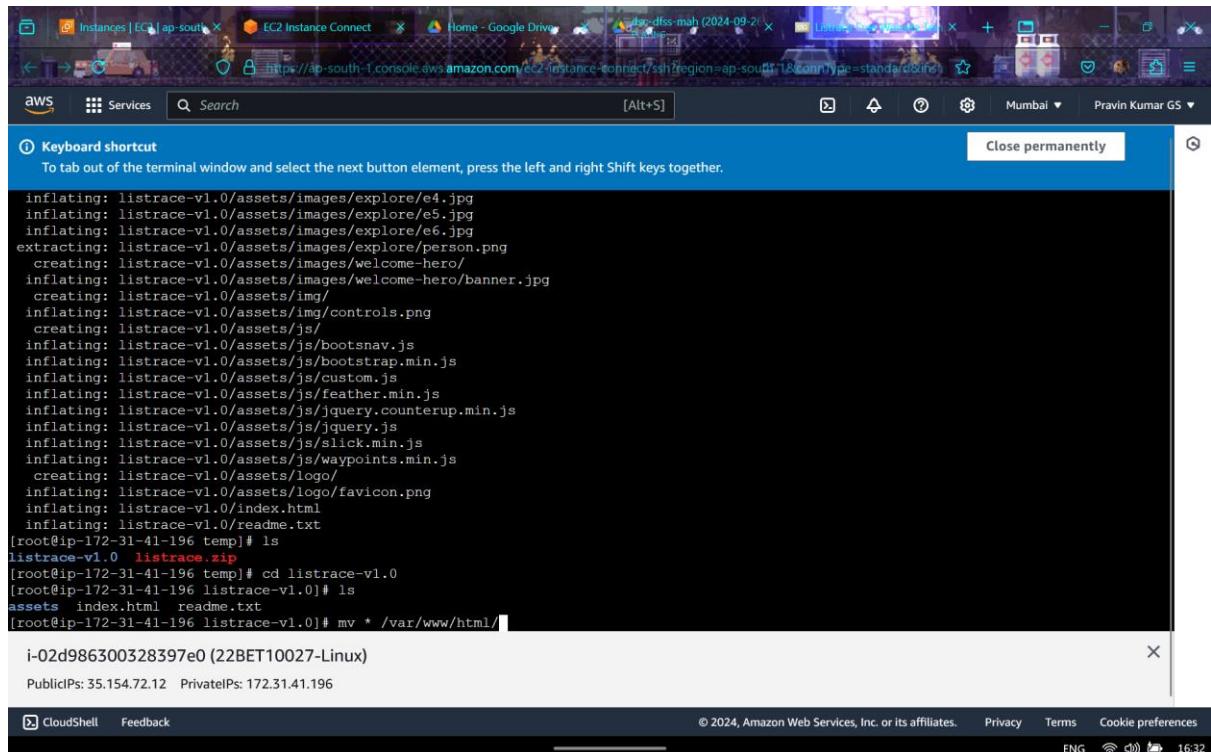
The terminal output shows the user navigating through a directory of files and executing commands:

```
inflating: listrace-v1.0/assets/images/explore/e4.jpg
inflating: listrace-v1.0/assets/images/explore/e5.jpg
inflating: listrace-v1.0/assets/images/explore/e6.jpg
extracting: listrace-v1.0/assets/images/explore/person.png
creating: listrace-v1.0/assets/images/welcome-hero/
inflating: listrace-v1.0/assets/images/welcome-hero/banner.jpg
creating: listrace-v1.0/assets/img/
creating: listrace-v1.0/assets/js/
inflating: listrace-v1.0/assets/js/bootstrap.js
inflating: listrace-v1.0/assets/js/bootstrap.min.js
inflating: listrace-v1.0/assets/js/custom.js
inflating: listrace-v1.0/assets/js/feather.min.js
inflating: listrace-v1.0/assets/js/jquery.counterup.min.js
inflating: listrace-v1.0/assets/js/jquery.js
inflating: listrace-v1.0/assets/js/slick.min.js
inflating: listrace-v1.0/assets/js/waypoints.min.js
creating: listrace-v1.0/assets/logo/
inflating: listrace-v1.0/assets/logo/favicon.png
inflating: listrace-v1.0/index.html
inflating: listrace-v1.0/readme.txt
[root@ip-172-31-41-196 temp]# ls
listrace-v1.0  listrace.zip  less  lsb  sly
[root@ip-172-31-41-196 temp]# cd listrace-v1.0
[root@ip-172-31-41-196 listrace-v1.0]# ls
assets index.html  readme.txt
[root@ip-172-31-41-196 listrace-v1.0]# 
i-02d986300328397e0 (22BET10027-Linux)
PublicIPs: 35.154.72.12  PrivateIPs: 172.31.41.196
```

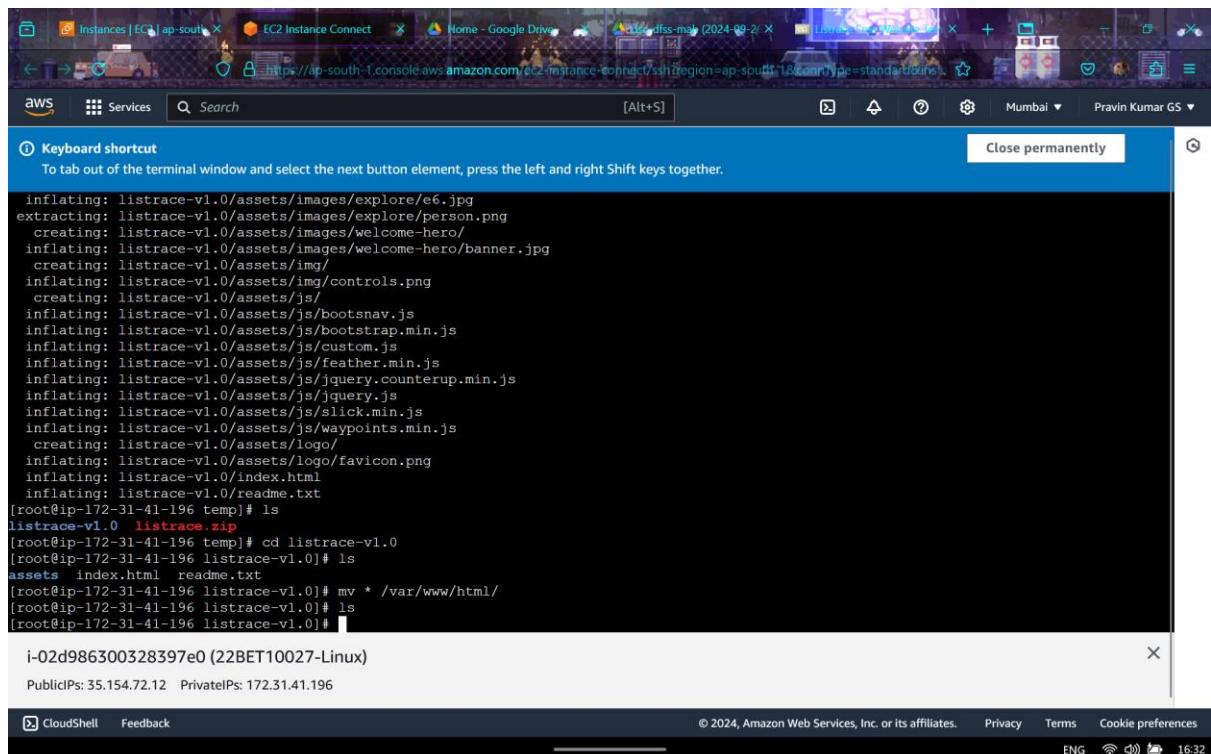
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Step-23:

- Using the command “mv * /var/www/html/” move the files in the unzipped file to var -> www -> html.
- In this command the “mv” refers to move the file and “*” refers to select all the files in that directory.
- And the remaining command is the directory in which the file should be moved.



```
inflating: listrace-v1.0/assets/images/explore/e4.jpg
inflating: listrace-v1.0/assets/images/explore/e5.jpg
inflating: listrace-v1.0/assets/images/explore/e6.jpg
extracting: listrace-v1.0/assets/images/explore/person.png
creating: listrace-v1.0/assets/images/welcome-hero/
inflating: listrace-v1.0/assets/images/welcome-hero/banner.jpg
creating: listrace-v1.0/assets/img/
inflating: listrace-v1.0/assets/img/controls.png
creating: listrace-v1.0/assets/js/
inflating: listrace-v1.0/assets/js/bootstrap.js
inflating: listrace-v1.0/assets/js/bootstrap.min.js
inflating: listrace-v1.0/assets/js/custom.js
inflating: listrace-v1.0/assets/js/feather.min.js
inflating: listrace-v1.0/assets/js/jquery.counterup.min.js
inflating: listrace-v1.0/assets/js/jquery.js
inflating: listrace-v1.0/assets/js/slick.min.js
inflating: listrace-v1.0/assets/js/waypoints.min.js
creating: listrace-v1.0/assets/logo/
inflating: listrace-v1.0/assets/logo/favicon.png
inflating: listrace-v1.0/index.html
inflating: listrace-v1.0/readme.txt
[root@ip-172-31-41-196 temp]# ls
listrace-v1.0
[root@ip-172-31-41-196 temp]# cd listrace-v1.0
[root@ip-172-31-41-196 listrace-v1.0]# ls
assets index.html readme.txt
[root@ip-172-31-41-196 listrace-v1.0]# mv * /var/www/html/
i-02d986300328397e0 (22BET10027-Linux)
PublicIPs: 35.154.72.12 PrivateIPs: 172.31.41.196
```



```
inflating: listrace-v1.0/assets/images/explore/e6.jpg
extracting: listrace-v1.0/assets/images/explore/person.png
creating: listrace-v1.0/assets/images/welcome-hero/
inflating: listrace-v1.0/assets/images/welcome-hero/banner.jpg
creating: listrace-v1.0/assets/img/
inflating: listrace-v1.0/assets/img/controls.png
creating: listrace-v1.0/assets/js/
inflating: listrace-v1.0/assets/js/bootstrap.js
inflating: listrace-v1.0/assets/js/bootstrap.min.js
inflating: listrace-v1.0/assets/js/custom.js
inflating: listrace-v1.0/assets/js/feather.min.js
inflating: listrace-v1.0/assets/js/jquery.counterup.min.js
inflating: listrace-v1.0/assets/js/jquery.js
inflating: listrace-v1.0/assets/js/slick.min.js
inflating: listrace-v1.0/assets/js/waypoints.min.js
creating: listrace-v1.0/assets/logo/
inflating: listrace-v1.0/assets/logo/favicon.png
inflating: listrace-v1.0/index.html
inflating: listrace-v1.0/readme.txt
[root@ip-172-31-41-196 temp]# ls
listrace-v1.0
[root@ip-172-31-41-196 temp]# cd listrace-v1.0
[root@ip-172-31-41-196 listrace-v1.0]# ls
assets index.html readme.txt
[root@ip-172-31-41-196 listrace-v1.0]# mv * /var/www/html/
[root@ip-172-31-41-196 listrace-v1.0]# ls
[root@ip-172-31-41-196 listrace-v1.0]# i-02d986300328397e0 (22BET10027-Linux)
PublicIPs: 35.154.72.12 PrivateIPs: 172.31.41.196
```

Step-24:

- Using “cd” command go to the directory where the file is moved.

Instances | EC2 | ap-south-1 | EC2 Instance Connect | Home - Google Drive | listrace-dfss-map (2024-09-21) | Device | Help | + | CloudShell | Feedback | © 2024, Amazon Web Services, Inc. or its affiliates. | Privacy | Terms | Cookie preferences

aws Services Search [Alt+S] Close permanently

① Keyboard shortcut
To tab out of the terminal window and select the next button element, press the left and right Shift keys together.

```
inflating: listrace-v1.0/assets/images/explore/e6.jpg
extracting: listrace-v1.0/assets/images/explore/person.png
creating: listrace-v1.0/assets/images/welcome-hero/
inflating: listrace-v1.0/assets/images/welcome-hero/banner.jpg
creating: listrace-v1.0/assets/img/
inflating: listrace-v1.0/assets/img/controls.png
creating: listrace-v1.0/assets/js/
inflating: listrace-v1.0/assets/js/bootsnav.js
inflating: listrace-v1.0/assets/js/bootstrap.min.js
inflating: listrace-v1.0/assets/js/custom.js
inflating: listrace-v1.0/assets/js/feather.min.js
inflating: listrace-v1.0/assets/js/jquery.counterup.min.js
inflating: listrace-v1.0/assets/js/jquery.js
inflating: listrace-v1.0/assets/js/slick.min.js
inflating: listrace-v1.0/assets/js/waypoints.min.js
creating: listrace-v1.0/assets/logo/
inflating: listrace-v1.0/assets/logo/favicon.png
inflating: listrace-v1.0/index.html
inflating: listrace-v1.0/readme.txt
[root@ip-172-31-41-196 temp]# ls
listrace-v1.0  listrace.zip
[root@ip-172-31-41-196 temp]# cd listrace-v1.0
[root@ip-172-31-41-196 listrace-v1.0]# ls
assets  index.html  readme.txt
[root@ip-172-31-41-196 listrace-v1.0]# mv * /var/www/html/
[root@ip-172-31-41-196 listrace-v1.0]# ls
[root@ip-172-31-41-196 listrace-v1.0]# cd /var/www/html/
```

i-02d986300328397e0 (22BET10027-Linux)
PublicIPs: 35.154.72.12 PrivatePs: 172.31.41.196

To tab out of the terminal window and select the next button element, press the left and right Shift keys together.

```
inflating: listrace-v1.0/assets/images/welcome-hero/banner.jpg
creating: listrace-v1.0/assets/img/
inflating: listrace-v1.0/assets/img/controls.png
creating: listrace-v1.0/assets/js/
inflating: listrace-v1.0/assets/js/bootstrapnav.js
inflating: listrace-v1.0/assets/js/bootstrap.min.js
inflating: listrace-v1.0/assets/js/custom.js
inflating: listrace-v1.0/assets/js/feather.min.js
inflating: listrace-v1.0/assets/js/jquery.countup.min.js
inflating: listrace-v1.0/assets/js/jquery.js
inflating: listrace-v1.0/assets/js/slick.min.js
inflating: listrace-v1.0/assets/js waypoints.min.js
creating: listrace-v1.0/assets/logo/
inflating: listrace-v1.0/assets/logo/favicon.png
inflating: listrace-v1.0/index.html
inflating: listrace-v1.0/readme.txt
[root@ip-172-31-41-196 temp]# ls
listrace-v1.0 listrace.zip
[root@ip-172-31-41-196 temp]# cd listrace-v1.0
[root@ip-172-31-41-196 listrace-v1.0]# ls
assets index.html readme.txt
[root@ip-172-31-41-196 listrace-v1.0]# mv * /var/www/html/
[root@ip-172-31-41-196 listrace-v1.0]# ls
[root@ip-172-31-41-196 listrace-v1.0]# cd /var/www/html/
[root@ip-172-31-41-196 html]# ls
assets index.html readme.txt
[root@ip-172-31-41-196 html]#
```

The screenshot shows a CloudShell terminal window with the following session details:

- Session ID: i-02d986300328397e0 (22BET10027-Linux)
- Public IPs: 35.154.72.12
- Private IPs: 172.31.41.196

The terminal output shows the deployment process:

```
inflating: listrace-v1.0/assets/images/welcome-hero/banner.jpg
creating: listrace-v1.0/assets/img/
inflating: listrace-v1.0/assets/img/controls.png
creating: listrace-v1.0/assets/js/
inflating: listrace-v1.0/assets/js/bootnav.js
inflating: listrace-v1.0/assets/js/bootstrap.min.js
inflating: listrace-v1.0/assets/js/custom.js
inflating: listrace-v1.0/assets/js/feather.min.js
inflating: listrace-v1.0/assets/js/jquery.counterup.min.js
inflating: listrace-v1.0/assets/js/jquery.js
inflating: listrace-v1.0/assets/js/slick.min.js
inflating: listrace-v1.0/assets/js/waypoints.min.js
creating: listrace-v1.0/assets/logo/
inflating: listrace-v1.0/assets/logo/favicon.png
inflating: listrace-v1.0/index.html
inflating: listrace-v1.0/readme.txt
inflating: listrace-v1.0/readme.txt
[root@ip-172-31-41-196 temp]# ls
listrace-v1.0
[root@ip-172-31-41-196 temp]# cd listrace-v1.0
[root@ip-172-31-41-196 listrace-v1.0]# ls
assets index.html readme.txt
[root@ip-172-31-41-196 listrace-v1.0]# mv * /var/www/html/
[root@ip-172-31-41-196 listrace-v1.0]# ls
[root@ip-172-31-41-196 listrace-v1.0]# cd /var/www/html/
[root@ip-172-31-41-196 html]# ls
assets index.html readme.txt
[root@ip-172-31-41-196 html]# systemctl status httpd
i-02d986300328397e0 (22BET10027-Linux)
PublicIPs: 35.154.72.12 PrivateIPs: 172.31.41.196
```

CloudShell interface elements include tabs for Instances | EC2, EC2 Instance Connect, Home - Google Drive, and ds-dss-mah (2024-09-20). The bottom bar shows CloudShell, Feedback, Privacy, Terms, and Cookie preferences.

The screenshot shows a CloudShell terminal window with the following session details:

- Session ID: i-02d986300328397e0 (22BET10027-Linux)
- Public IPs: 35.154.72.12
- Private IPs: 172.31.41.196

The terminal output shows the deployment process, including the configuration of the Apache HTTP Server:

```
inflating: listrace-v1.0/assets/js/bootstrap.min.js
inflating: listrace-v1.0/assets/js/custom.js
inflating: listrace-v1.0/assets/js/feather.min.js
inflating: listrace-v1.0/assets/js/jquery.counterup.min.js
inflating: listrace-v1.0/assets/js/jquery.js
inflating: listrace-v1.0/assets/js/slick.min.js
inflating: listrace-v1.0/assets/js/waypoints.min.js
creating: listrace-v1.0/assets/logo/
inflating: listrace-v1.0/assets/logo/favicon.png
inflating: listrace-v1.0/index.html
inflating: listrace-v1.0/readme.txt
[root@ip-172-31-41-196 temp]# ls
listrace-v1.0
[root@ip-172-31-41-196 temp]# cd listrace-v1.0
[root@ip-172-31-41-196 listrace-v1.0]# ls
assets index.html readme.txt
[root@ip-172-31-41-196 listrace-v1.0]# mv * /var/www/html/
[root@ip-172-31-41-196 listrace-v1.0]# ls
[root@ip-172-31-41-196 listrace-v1.0]# cd /var/www/html/
[root@ip-172-31-41-196 html]# ls
assets index.html readme.txt
[root@ip-172-31-41-196 html]# systemctl status httpd
● httpd.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/httpd.service; disabled; preset: disabled)
     Active: inactive (dead)
       Docs: man:httpd.service(8)
[root@ip-172-31-41-196 html]# 
```

CloudShell interface elements include tabs for Instances | EC2, EC2 Instance Connect, Home - Google Drive, and ds-dss-mah (2024-09-20). The bottom bar shows CloudShell, Feedback, Privacy, Terms, and Cookie preferences.

Step-25:

- Using the command “systemctl enable httpd” enable the apache server.

```
inflating: listrace-v1.0/assets/js/bootstrap.min.js
inflating: listrace-v1.0/assets/js/custom.js
inflating: listrace-v1.0/assets/js/feather.min.js
inflating: listrace-v1.0/assets/js/jquery.counterup.min.js
inflating: listrace-v1.0/assets/js/jquery.js
inflating: listrace-v1.0/assets/js/slick.min.js
inflating: listrace-v1.0/assets/js/waypoints.min.js
creating: listrace-v1.0/assets/logo/
inflating: listrace-v1.0/assets/logo/favicon.png
inflating: listrace-v1.0/index.html
inflating: listrace-v1.0/readme.txt
inflating: listrace-v1.0/readme.txt
[root@ip-172-31-41-196 temp]# ls
listrace-v1.0
[root@ip-172-31-41-196 temp]# cd listrace-v1.0
[root@ip-172-31-41-196 listrace-v1.0]# ls
assets index.html readme.txt
[root@ip-172-31-41-196 listrace-v1.0]# mv * /var/www/html/
[root@ip-172-31-41-196 listrace-v1.0]# ls
[root@ip-172-31-41-196 listrace-v1.0]# cd /var/www/html/
[root@ip-172-31-41-196 html]# ls
assets index.html readme.txt
[root@ip-172-31-41-196 html]# systemctl status httpd
● httpd.service - The Apache HTTP Server
    Loaded: loaded (/usr/lib/systemd/system/httpd.service; disabled; preset: disabled)
      Active: inactive (dead)
        Docs: man:httpd.service(8)
[root@ip-172-31-41-196 html]# systemctl enable httpd
i-02d986300328397e0 (22BET10027-Linux)

PublicIPs: 35.154.72.12 PrivateIPs: 172.31.41.196
```

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```
inflating: listrace-v1.0/assets/js/feather.min.js
inflating: listrace-v1.0/assets/js/jquery.counterup.min.js
inflating: listrace-v1.0/assets/js/jquery.js
inflating: listrace-v1.0/assets/js/slick.min.js
inflating: listrace-v1.0/assets/js/waypoints.min.js
creating: listrace-v1.0/assets/logo/
inflating: listrace-v1.0/assets/logo/favicon.png
inflating: listrace-v1.0/index.html
inflating: listrace-v1.0/readme.txt
inflating: listrace-v1.0/readme.txt
[root@ip-172-31-41-196 temp]# ls
listrace-v1.0
[root@ip-172-31-41-196 temp]# cd listrace-v1.0
[root@ip-172-31-41-196 listrace-v1.0]# ls
assets index.html readme.txt
[root@ip-172-31-41-196 listrace-v1.0]# mv * /var/www/html/
[root@ip-172-31-41-196 listrace-v1.0]# ls
[root@ip-172-31-41-196 listrace-v1.0]# cd /var/www/html/
[root@ip-172-31-41-196 html]# ls
assets index.html readme.txt
[root@ip-172-31-41-196 html]# systemctl status httpd
● httpd.service - The Apache HTTP Server
    Loaded: loaded (/usr/lib/systemd/system/httpd.service; disabled; preset: disabled)
      Active: inactive (dead)
        Docs: man:httpd.service(8)
[root@ip-172-31-41-196 html]# systemctl enable httpd
Created symlink /etc/systemd/system/multi-user.target.wants/httpd.service → /usr/lib/systemd/system/httpd.service.
[root@ip-172-31-41-196 html]# 

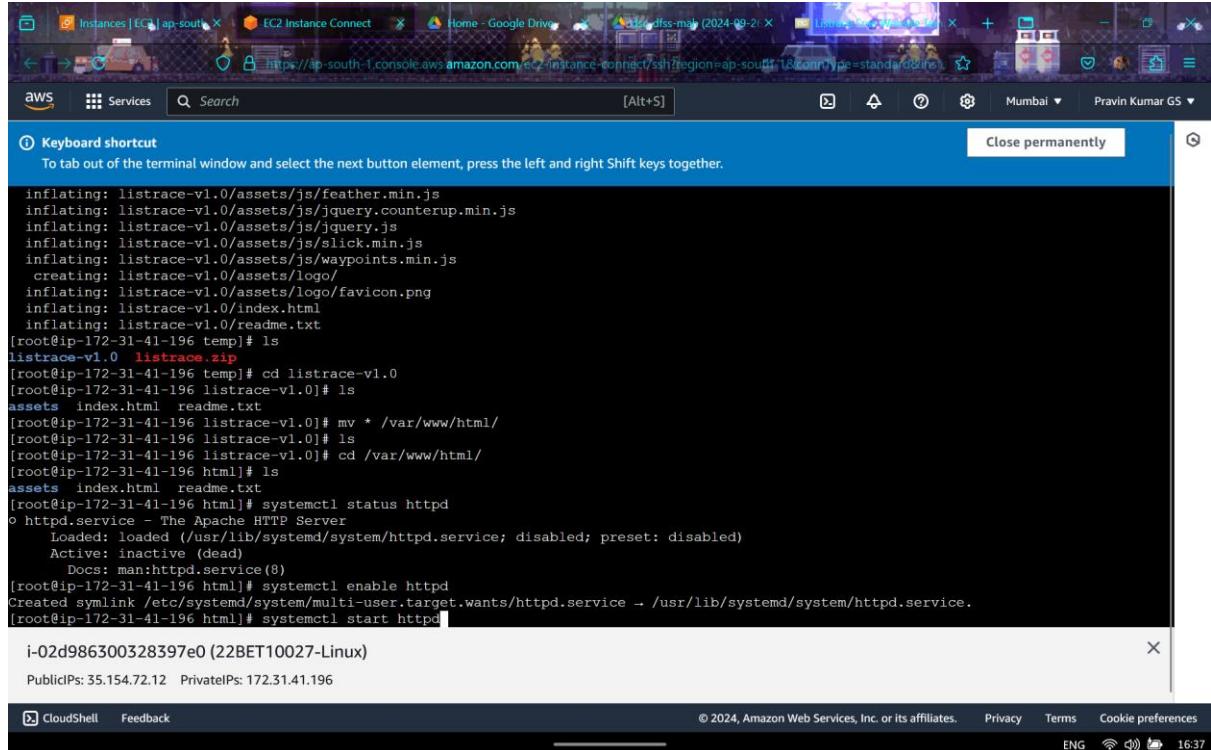
i-02d986300328397e0 (22BET10027-Linux)

PublicIPs: 35.154.72.12 PrivateIPs: 172.31.41.196
```

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Step-26:

- Using the command “systemctl start httpd” to start the server so that the webpage is visible to the public using the publicIP.



```
Instances | EC2 | ap-south-1 | EC2 Instance Connect | Home - Google Drive | Google Drive - (2024-09-21) | https://ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=ap-south-1&connType=standard&instanceId=i-02d986300328397e0 (22BET10027-Linux) | + | - | × | Services | Search | [Alt+S] | Close permanently | Mumbai | Pravin Kumar GS |
```

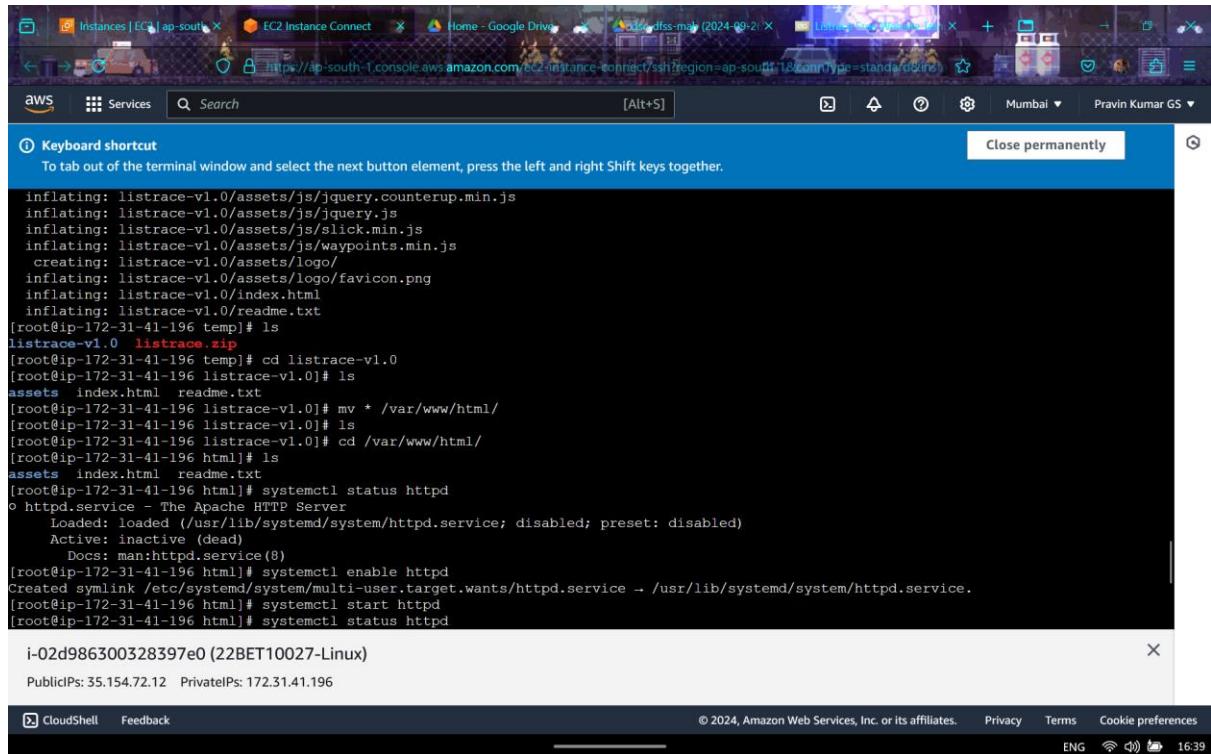
① Keyboard shortcut
To tab out of the terminal window and select the next button element, press the left and right Shift keys together.

```
inflating: listrace-v1.0/assets/js/jquery.counterup.min.js
inflating: listrace-v1.0/assets/js/jquery.js
inflating: listrace-v1.0/assets/js/slick.min.js
inflating: listrace-v1.0/assets/js/waypoints.min.js
creating: listrace-v1.0/assets/logo/
inflating: listrace-v1.0/assets/logo/favicon.png
inflating: listrace-v1.0/index.html
inflating: listrace-v1.0/readme.txt
[root@ip-172-31-41-196 temp]# ls
listrace-v1.0
[root@ip-172-31-41-196 temp]# cd listrace-v1.0
[root@ip-172-31-41-196 listrace-v1.0]# ls
assets index.html readme.txt
[root@ip-172-31-41-196 listrace-v1.0]# mv * /var/www/html/
[root@ip-172-31-41-196 listrace-v1.0]# ls
[root@ip-172-31-41-196 listrace-v1.0]# cd /var/www/html/
[root@ip-172-31-41-196 html]# ls
assets index.html readme.txt
[root@ip-172-31-41-196 html]# systemctl status httpd
● httpd.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/httpd.service; disabled; preset: disabled)
     Active: inactive (dead)
       Docs: man:httpd.service(8)
[root@ip-172-31-41-196 html]# systemctl enable httpd
Created symlink /etc/systemd/system/multi-user.target.wants/httpd.service → /usr/lib/systemd/system/httpd.service.
[root@ip-172-31-41-196 html]# systemctl start httpd
[root@ip-172-31-41-196 html]# systemctl status httpd
● httpd.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/httpd.service; disabled; preset: disabled)
     Active: inactive (dead)
       Docs: man:httpd.service(8)
[root@ip-172-31-41-196 html]#
```

i-02d986300328397e0 (22BET10027-Linux)

PublicIPs: 35.154.72.12 PrivateIPs: 172.31.41.196

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```
Instances | EC2 | ap-south-1 | EC2 Instance Connect | Home - Google Drive | Google Drive - (2024-09-21) | https://ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=ap-south-1&connType=standard&instanceId=i-02d986300328397e0 (22BET10027-Linux) | + | - | × | Services | Search | [Alt+S] | Close permanently | Mumbai | Pravin Kumar GS |
```

① Keyboard shortcut
To tab out of the terminal window and select the next button element, press the left and right Shift keys together.

```
inflating: listrace-v1.0/assets/js/jquery.counterup.min.js
inflating: listrace-v1.0/assets/js/jquery.js
inflating: listrace-v1.0/assets/js/slick.min.js
inflating: listrace-v1.0/assets/js/waypoints.min.js
creating: listrace-v1.0/assets/logo/
inflating: listrace-v1.0/assets/logo/favicon.png
inflating: listrace-v1.0/index.html
inflating: listrace-v1.0/readme.txt
[root@ip-172-31-41-196 temp]# ls
listrace-v1.0
[root@ip-172-31-41-196 temp]# cd listrace-v1.0
[root@ip-172-31-41-196 listrace-v1.0]# ls
assets index.html readme.txt
[root@ip-172-31-41-196 listrace-v1.0]# mv * /var/www/html/
[root@ip-172-31-41-196 listrace-v1.0]# ls
[root@ip-172-31-41-196 listrace-v1.0]# cd /var/www/html/
[root@ip-172-31-41-196 html]# ls
assets index.html readme.txt
[root@ip-172-31-41-196 html]# systemctl status httpd
● httpd.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/httpd.service; disabled; preset: disabled)
     Active: inactive (dead)
       Docs: man:httpd.service(8)
[root@ip-172-31-41-196 html]# systemctl enable httpd
Created symlink /etc/systemd/system/multi-user.target.wants/httpd.service → /usr/lib/systemd/system/httpd.service.
[root@ip-172-31-41-196 html]# systemctl start httpd
[root@ip-172-31-41-196 html]# systemctl status httpd
● httpd.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/httpd.service; disabled; preset: disabled)
     Active: inactive (dead)
       Docs: man:httpd.service(8)
[root@ip-172-31-41-196 html]#
```

i-02d986300328397e0 (22BET10027-Linux)

PublicIPs: 35.154.72.12 PrivateIPs: 172.31.41.196

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Instances | EC2 | ap-south-1 | EC2 Instance Connect | Home - Google Drive | dss-msk (2024-09-2) | Lambda | Network | + | Mumbai | Pravin Kumar GS |

aws Services Search [Alt+S] Close permanently

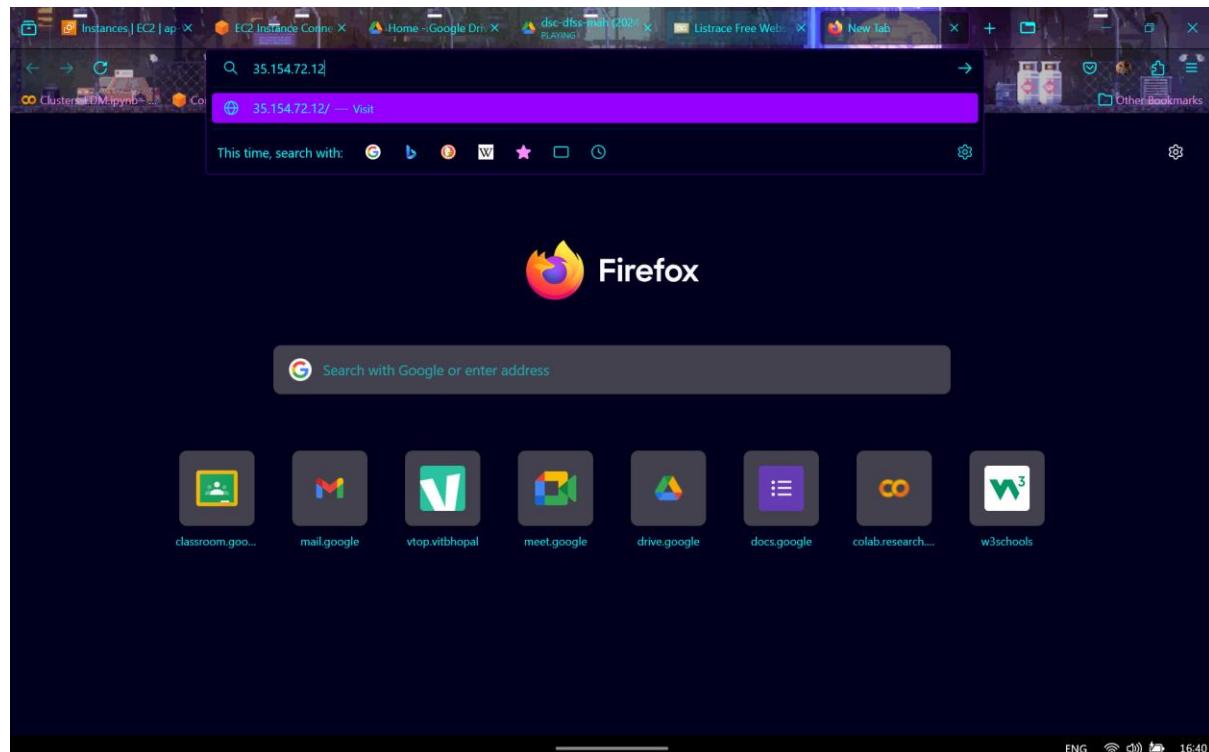
Keyboard shortcut To tab out of the terminal window and select the next button element, press the left and right Shift keys together.

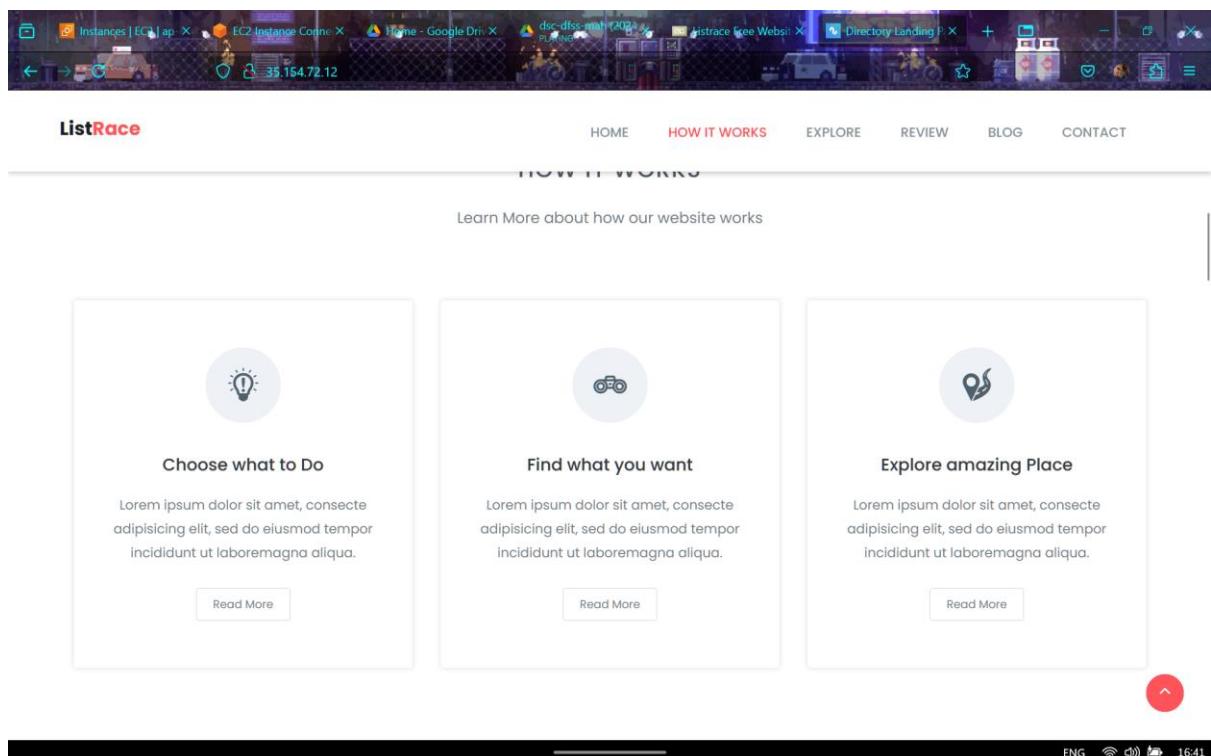
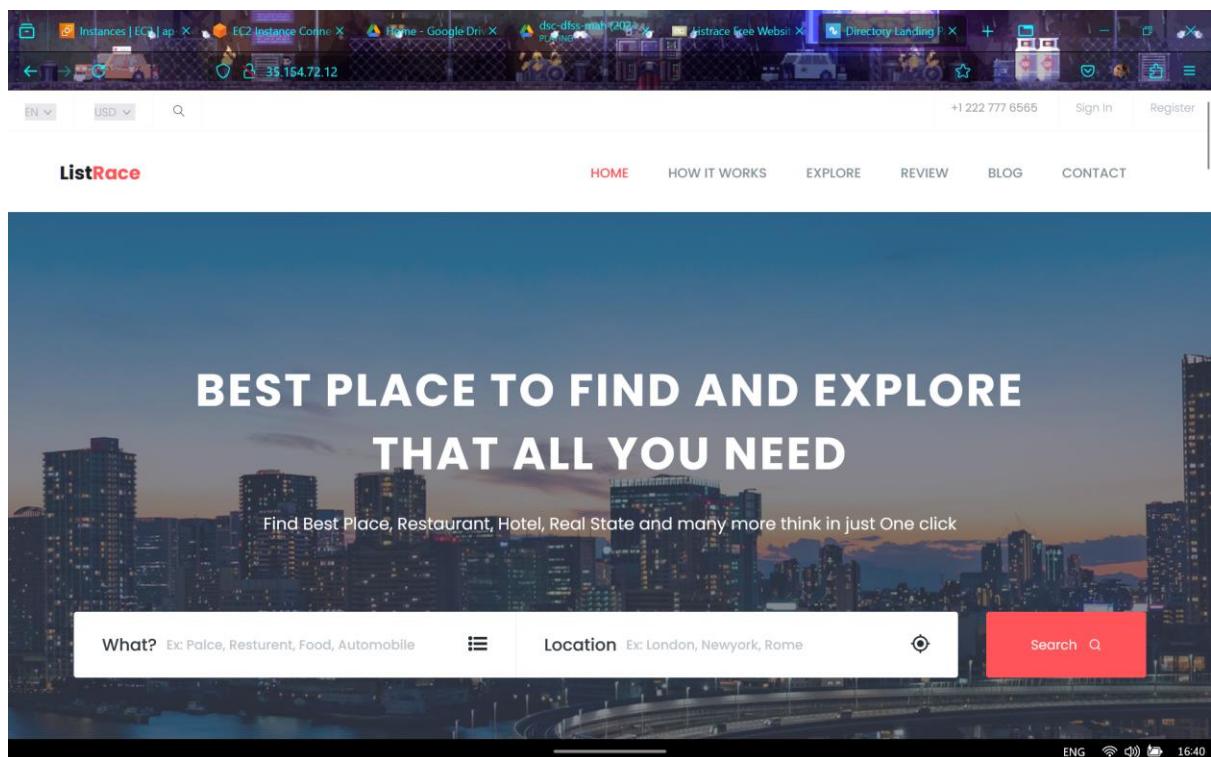
```
Loaded: loaded (/usr/lib/systemd/system/httpd.service; disabled; preset: disabled)
Active: inactive (dead)
  Docs: man:httpd.service(8)
[root@ip-172-31-41-196 ~]# systemctl enable httpd
Created symlink /etc/systemd/system/multi-user.target.wants/httpd.service → /usr/lib/systemd/system/httpd.service.
[root@ip-172-31-41-196 ~]# systemctl start httpd
[root@ip-172-31-41-196 ~]# systemctl status httpd
● httpd.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/httpd.service; enabled; preset: disabled)
   Active: active (running) since Sun 2024-10-13 11:07:53 UTC; 8s ago
     Docs: man:httpd.service(8)
Main PID: 27537 (httpd)
   Status: "Started, listening on: port 80"
      Tasks: 177 (limit: 1112)
     Memory: 12.9M
        CPU: 65ms
      CGroup: /system.slice/httpd.service
              ├─27537 /usr/sbin/httpd -DFOREGROUND
              ├─27538 /usr/sbin/httpd -DFOREGROUND
              ├─27539 /usr/sbin/httpd -DFOREGROUND
              ├─27540 /usr/sbin/httpd -DFOREGROUND
              └─27541 /usr/sbin/httpd -DFOREGROUND

Oct 13 11:07:53 ip-172-31-41-196.ap-south-1.compute.internal systemd[1]: Starting httpd.service - The Apache HTTP Server...
Oct 13 11:07:53 ip-172-31-41-196.ap-south-1.compute.internal systemd[1]: Started httpd.service - The Apache HTTP Server.
Oct 13 11:07:53 ip-172-31-41-196.ap-south-1.compute.internal httpd[27537]: Server configured, listening on: port 80
[root@ip-172-31-41-196 ~]# i-02d986300328397e0 (22BET10027-Linux)
PublicIPs: 35.154.72.12 PrivateIPs: 172.31.41.196
```

Step-27:

- Using the public IP open the browser and paste the ip to check whether the webpage is hosted or not.







ListRace

HOME HOW IT WORKS EXPLORE REVIEW BLOG CONTACT

EXPLORE

Explore New place, food, culture around the world and many more



Tommy Helfinger Bar

35.154.72.12/#explore 10 Ratings | Form 5\$-300\$ | Restaurant



Swim And Dine Resort

4.5 | 8 Ratings | Form 50\$-500\$ | Hotel



Europe Tour

6.0 | 15 Ratings | Form 5k\$-10k\$ | Destination

ENG WiFi 1642



ListRace

HOME HOW IT WORKS EXPLORE REVIEW BLOG CONTACT

CLIENTS REVIEWS

What our client say about us

Tom Leakar

London, UK

★★★★★

Excepteur sint occaecat cupidatat non
proident, sunt in culpa qui officia deserunt
mollit anim id est laborum. Sed ut
perspiciatis eaque.

Monirul Islam

London, UK

★★★★★

Excepteur sint occaecat cupidatat non
proident, sunt in culpa qui officia deserunt
mollit anim id est laborum. Sed ut
perspiciatis eaque.

Shohrab Hossain

London, UK

★★★★★

Exce
proid
mollit
persp



This screenshot shows a mobile device displaying the 'NEWS AND ARTICLES' section of the ListRace website. The top navigation bar includes links for HOME, HOW IT WORKS, EXPLORE, REVIEW, BLOG (which is highlighted in red), and CONTACT. Below the navigation is a heading 'NEWS AND ARTICLES' followed by a subtext 'Always upto date with our latest News and Articles'. Three news cards are displayed in a grid:

- How to find your Desired Place more quickly
- How to find your Desired Place more quickly
- How to find your Desired Place more quickly

The bottom of the screen shows a black navigation bar with icons for ENG, WiFi, battery, and time (16:42).

This screenshot shows a mobile device displaying the 'DO YOU WANT TO ADD YOUR BUSINESS LISTING WITH US?' section of the ListRace website. The top navigation bar is identical to the previous screenshot. The main content features a heading 'DO YOU WANT TO ADD YOUR BUSINESS LISTING WITH US?' followed by a subtext 'Listrace offer you to list your business with us and we very much able to promote your Business.' Below this is a form with a text input field labeled 'Enter your email here' and a red 'Create Account' button.

The bottom of the screen shows a black navigation bar with icons for ENG, WiFi, battery, and time (16:43).

Step-28:

- For stopping the instance select the instance and select stop instance.

The screenshot shows the AWS EC2 Instances page. On the left, there's a navigation sidebar with options like EC2 Dashboard, EC2 Global View, Events, Instances (selected), Images, and Elastic Block Store. The main area displays a table titled 'Instances (1/1) Info' with one row. The row contains a checkbox, the name '22BET10027...', the instance ID 'i-02d986300328397e0', and the status 'Running'. To the right of the table is a toolbar with buttons for Instance state (dropdown set to 'Running'), Actions (dropdown set to 'All states'), Launch instances, Stop instance, Start instance, Reboot instance, Hibernate instance, and Terminate (delete) instance. Below the table, a detailed view for instance 'i-02d986300328397e0 (22BET10027-Linux)' is shown with tabs for Details, Status and alarms, Monitoring, Security, Networking, Storage, and Tags. The Details tab is selected, showing the instance summary with fields for Instance ID, Public IPv4 address, Private IPv4 addresses, Instance state, Public IPv4 DNS, and Hostname type.

The screenshot shows a modal dialog titled 'Stop instance'. It contains a message: 'Stopping your instance allows you to reduce costs, modify settings, and troubleshoot problems.' Below this is a table with columns 'Instance ID' and 'Stop protection'. The table has one row with 'i-02d986300328397e0 (22BET10027-Linux)' and 'Off (Can stop instance)'. A warning box is present with the text: '⚠ You will be billed for associated resources. After you stop the instance, you are no longer charged usage or data transfer fees for it. However, you will still be billed for associated Elastic IP addresses and EBS volumes.' At the bottom of the dialog are 'Cancel' and 'Stop' buttons. The background of the page shows the same EC2 Instances list as the previous screenshot.

The screenshot shows the AWS EC2 Instances page. A success message at the top left says "Successfully initiated stopping of i-02d986300328397e0". The main table lists one instance: "22BET10027-..." with Instance ID "i-02d986300328397e0", which is currently "Stopped". The instance type is "t2.micro". On the left sidebar, under the "Instances" section, the "Instances" option is selected. At the bottom right, there are links for "CloudShell", "Feedback", and copyright information: "© 2024, Amazon Web Services, Inc. or its affiliates." followed by "Privacy", "Terms", and "Cookie preferences".

Step-29:

- Now check whether the page is visible or not.

The screenshot shows a browser window with a dark theme. The address bar displays the IP address "35.154.72.12". The main content area shows an error message: "The connection has timed out". Below it, a sub-message states: "The server at 35.154.72.12 is taking too long to respond." A bulleted list provides troubleshooting steps:

- The site could be temporarily unavailable or too busy. Try again in a few moments.
- If you are unable to load any pages, check your computer's network connection.
- If your computer or network is protected by a firewall or proxy, make sure that Firefox is permitted to access the web.

A blue "Try Again" button is located at the bottom right of the error message. At the very bottom of the screen, there is a small "Timed Out" label.

Step-30:

- Finally terminate the instance and wait for some time so that the instance will get deleted.

The screenshot shows the AWS EC2 Instances page. A modal window at the top center displays the message "Successfully initiated stopping of i-02d986300328397e0". Below this, the main table lists one instance: "22BET10027-..." with Instance ID "i-02d986300328397e0" and status "Stopped". The "Actions" dropdown menu for this instance has the option "Terminate (delete) instance" highlighted with a blue border. At the bottom of the page, the instance details are shown, including its ID, state, and network information.

The screenshot shows the same AWS EC2 Instances page as before, but now a confirmation dialog box is overlaid. The title of the dialog is "Terminate (delete) instance?". Inside, there is a warning message: "On an EBS-backed instance, the default action is for the root EBS volume to be deleted when the instance is terminated. Storage on any local drives will be lost." Below this, a question asks "Are you sure you want to terminate these instances?". The "Instance ID" field shows "i-02d986300328397e0 (22BET10027-Linux)". The "Termination protection" setting is set to "Disabled". At the bottom right of the dialog, there are "Cancel" and "Terminate (delete)" buttons, with "Terminate (delete)" being the active button.

The screenshot shows the AWS EC2 Instances page. A green notification bar at the top indicates "Successfully initiated termination (deletion) of i-02d986300328397e0". The main table displays one instance:

Name	Instance ID	Instance state	Instance type	Status check	Alarm status
22BET10027-...	i-02d986300328397e0	Shutting-d...	t2.micro	-	View alarms +

The instance details page for "i-02d986300328397e0 (22BET10027-Linux)" is shown. The instance is currently terminating. The "Instance summary" section includes the following information:

Instance ID	Public IPv4 address	Private IPv4 addresses
i-02d986300328397e0 (22BET10027-Linux)	-	172.31.41.196
IPv6 address	Instance state	Public IPv4 DNS
-	Shutting-down	-
Hostname type	Private IP DNS name (IPv4 only)	Elastic IP addresses
IP name: ip-172-31-41-196.ap-south-1.compute.internal	ip-172-31-41-196.ap-south-1.compute.internal	-
Answer private resource DNS name	Instance type	
-	t2.micro	

The screenshot shows the AWS EC2 Instances page. A green notification bar at the top indicates "Successfully initiated termination (deletion) of i-02d986300328397e0". The main table displays one instance:

Name	Instance ID	Instance state	Instance type	Status check	Alarm status
22BET10027-...	i-02d986300328397e0	Terminated	t2.micro	-	View alarms +

The instance details page for "i-02d986300328397e0 (22BET10027-Linux)" is shown. The instance is now terminated. The "Instance summary" section includes the following information:

Instance ID	Public IPv4 address	Private IPv4 addresses
i-02d986300328397e0 (22BET10027-Linux)	-	-
IPv6 address	Instance state	Public IPv4 DNS
-	Terminated	-
Hostname type	Answer private resource DNS name	Elastic IP addresses
-	-	-
Instance type		
t2.micro		

Result:

Thus, an EC2 instance is launched and hosted a static website.