

LAB 1:

To launch your first EC2 instance of Linux OS, install `httpd` package and run simple html webpage allowed for public access from anywhere.



1-

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Home:

EC2 Dashboard

Launch instance

Service health

Account attributes

Explore AWS

2-

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#LaunchInstances:

Launch an instance

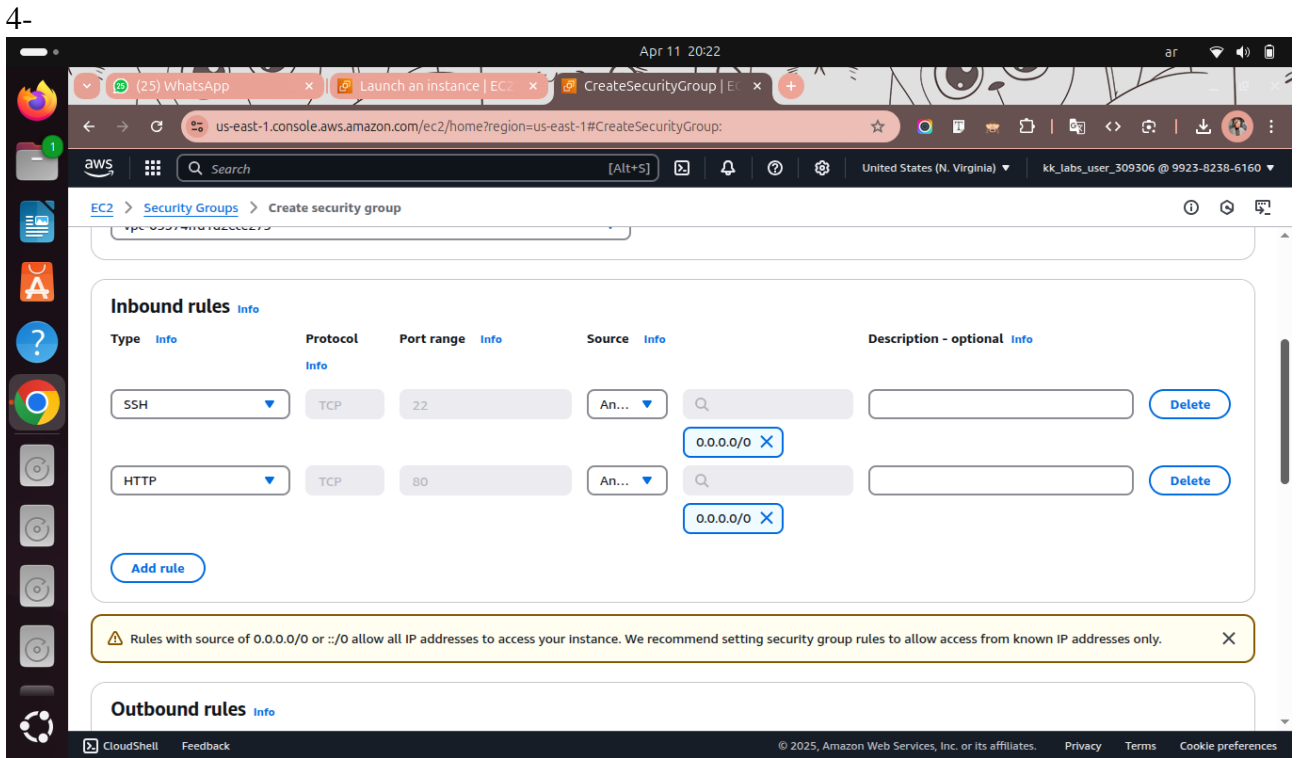
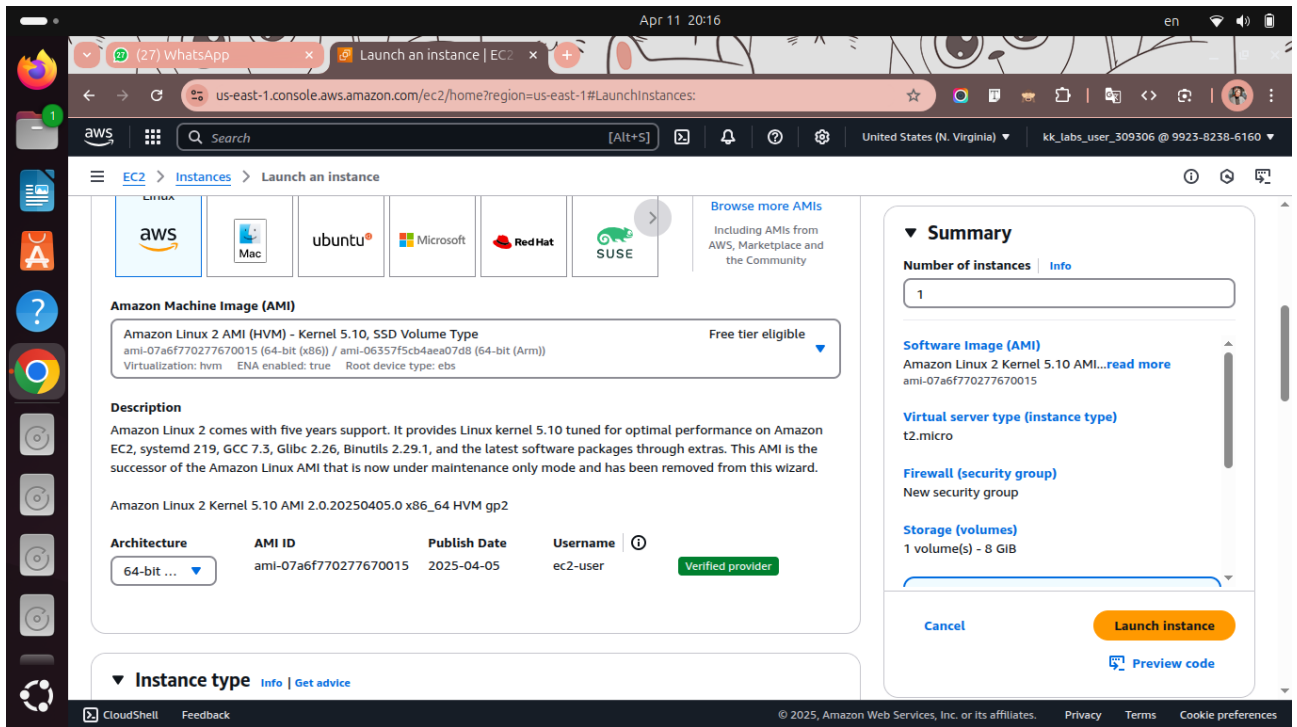
Name and tags

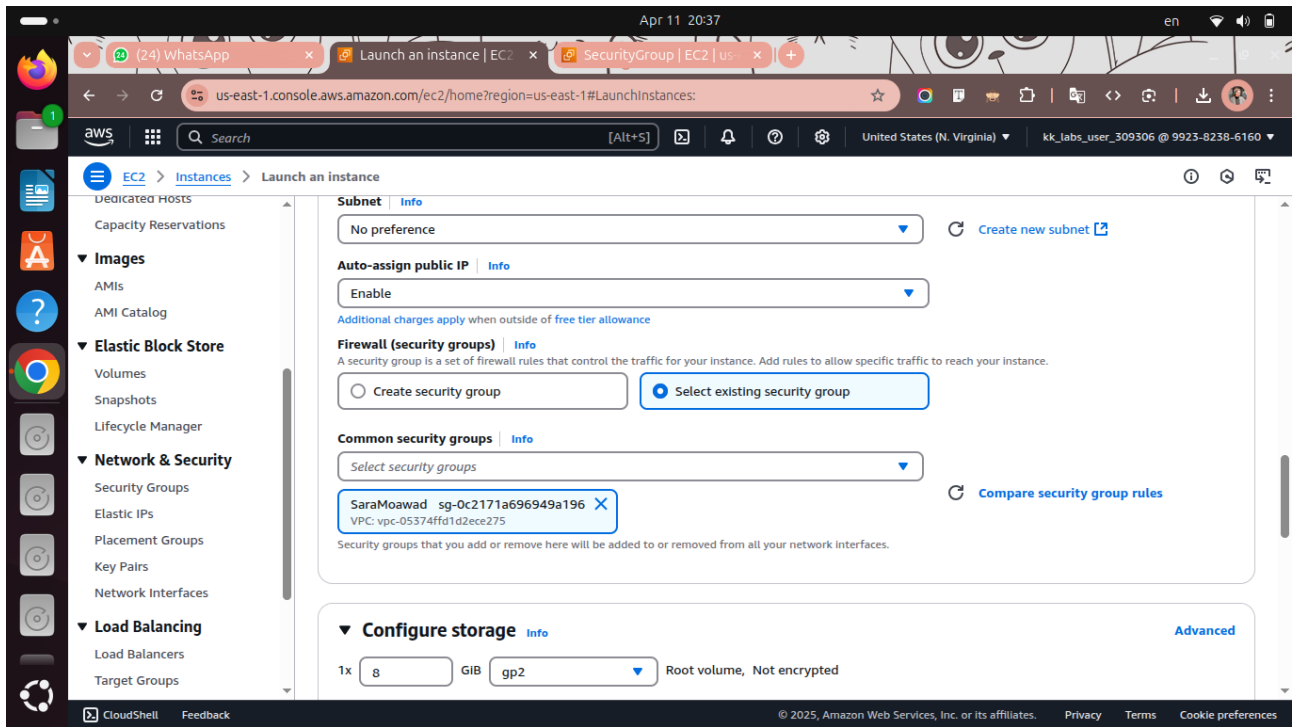
Application and OS Images (Amazon Machine Image)

Summary

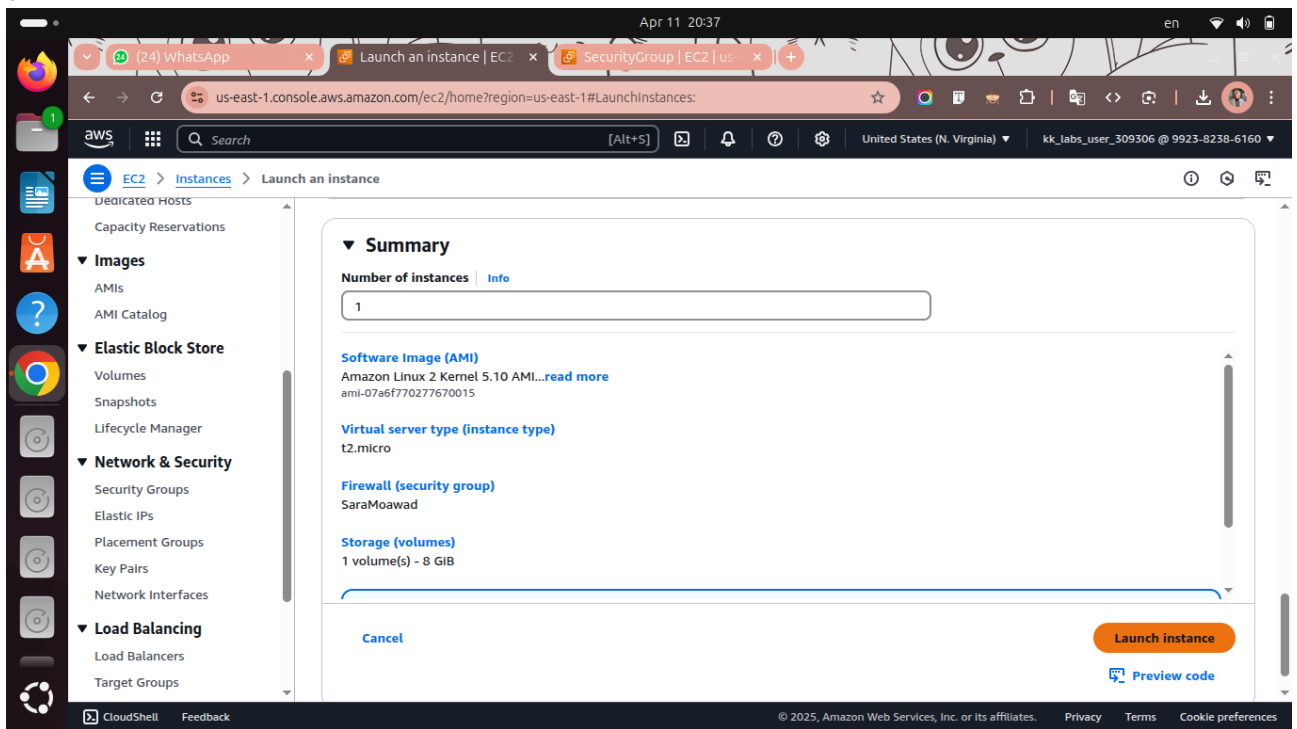
Launch instance

3-

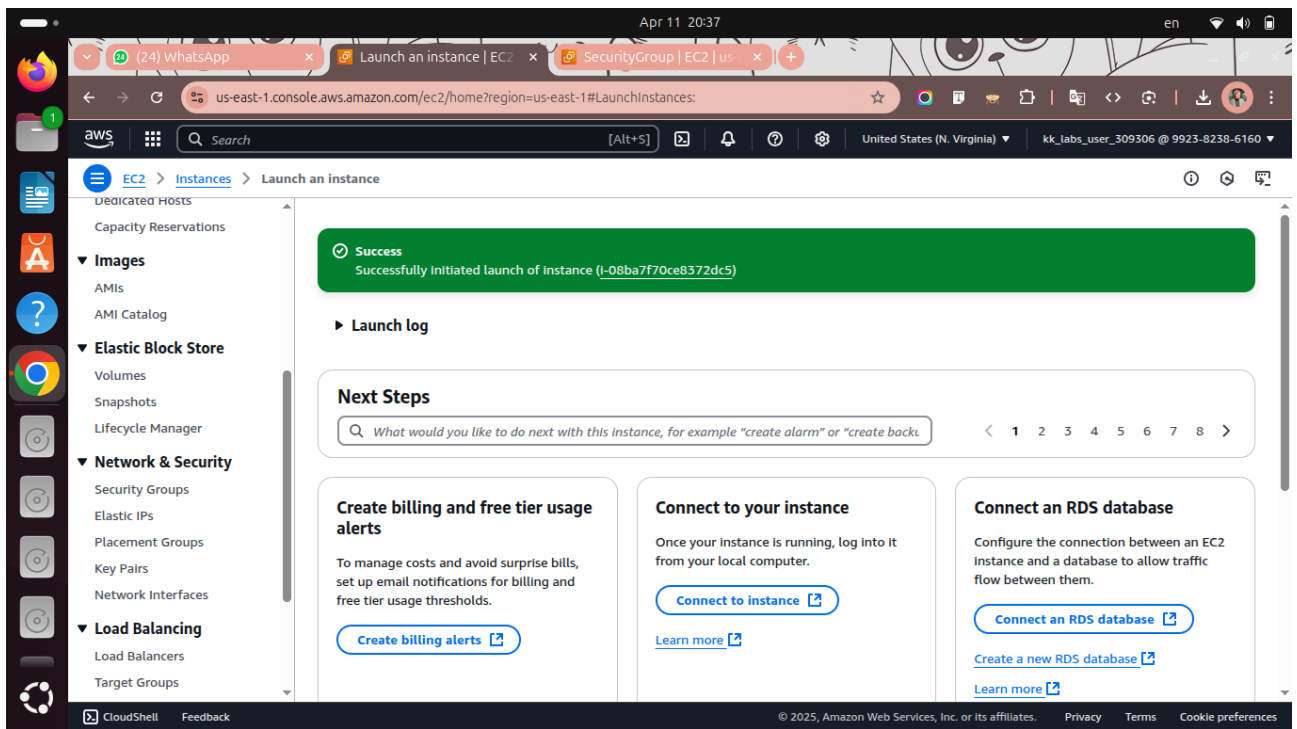




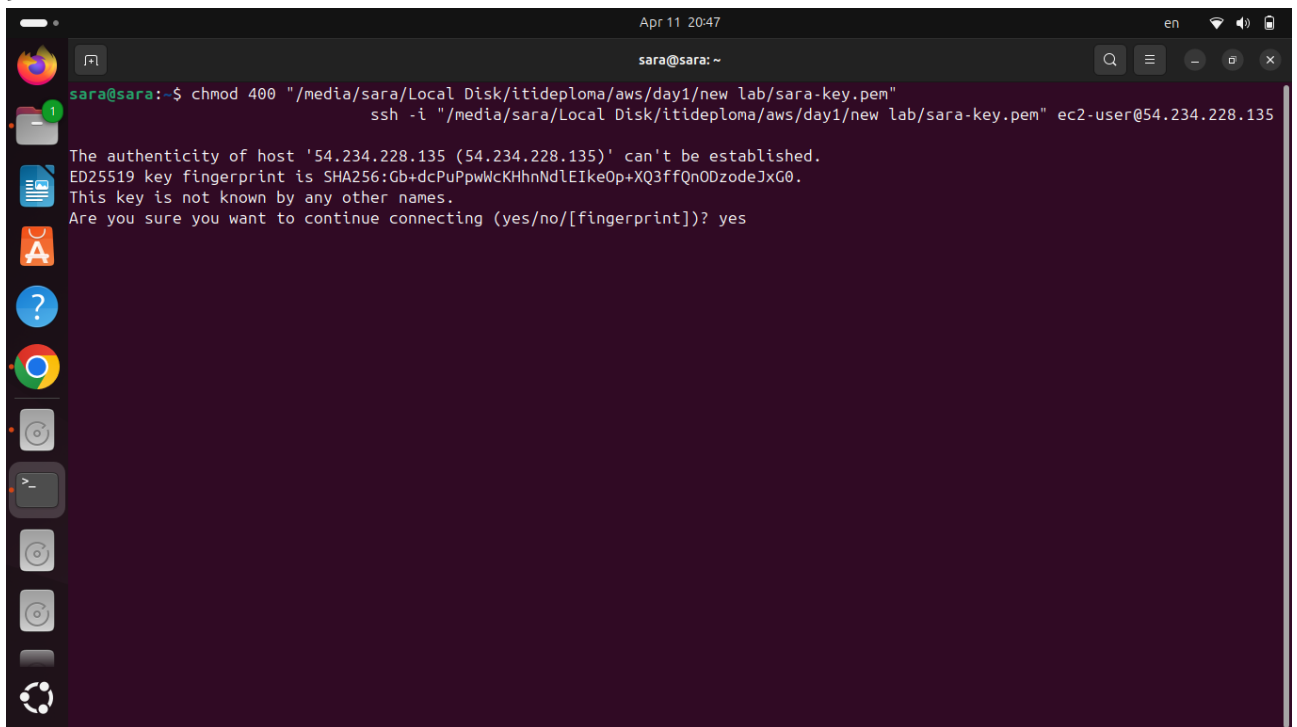
7-



8-



9-



10-

```
Apr 11 20:47 en
ec2-user@ip-172-31-82-103:~
sara@sara:~$ chmod 400 "/media/sara/Local Disk/itideploma/aws/day1/new lab/sara-key.pem"
ssh -i "/media/sara/Local Disk/itideploma/aws/day1/new lab/sara-key.pem" ec2-user@54.234.228.135

The authenticity of host '54.234.228.135 (54.234.228.135)' can't be established.
ED25519 key fingerprint is SHA256:Gb+dcPuPwWcKHhNdlEIkeOp+XQ3ffQnODzodeJxG0.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '54.234.228.135' (ED25519) to the list of known hosts.

#_
~\##### Amazon Linux 2
~~\#####
~~\###| AL2 End of Life is 2026-06-30.
~~\#/
~~V~' '->
~~
~~_.._
~~_/_/_/ A newer version of Amazon Linux is available!
_/_/_/ Amazon Linux 2023, GA and supported until 2028-03-15.
_/_/_/ https://aws.amazon.com/linux/amazon-linux-2023/

[ec2-user@ip-172-31-82-103 ~]$
```

11-

```
Apr 11 20:48 ar
ec2-user@ip-172-31-82-103:~
Running transaction
Installing : apr-1.7.2-1.amzn2.0.1.x86_64 1/9
Installing : apr-util-bdb-1.6.3-1.amzn2.0.1.x86_64 2/9
Installing : apr-util-1.6.3-1.amzn2.0.1.x86_64 3/9
Installing : httpd-tools-2.4.62-1.amzn2.0.2.x86_64 4/9
Installing : httpd-filesystem-2.4.62-1.amzn2.0.2.noarch 5/9
Installing : generic-logos-httpd-18.0.0-4.amzn2.noarch 6/9
Installing : mailcap-2.1.41-2.amzn2.noarch 7/9
Installing : mod_http2-1.15.19-1.amzn2.0.2.x86_64 8/9
Installing : httpd-2.4.62-1.amzn2.0.2.x86_64 9/9
Verifying : apr-1.7.2-1.amzn2.0.1.x86_64 1/9
Verifying : apr-util-bdb-1.6.3-1.amzn2.0.1.x86_64 2/9
Verifying : httpd-2.4.62-1.amzn2.0.2.x86_64 3/9
Verifying : mod_http2-1.15.19-1.amzn2.0.2.x86_64 4/9
Verifying : apr-util-1.6.3-1.amzn2.0.1.x86_64 5/9
Verifying : mailcap-2.1.41-2.amzn2.noarch 6/9
Verifying : generic-logos-httpd-18.0.0-4.amzn2.noarch 7/9
Verifying : httpd-tools-2.4.62-1.amzn2.0.2.x86_64 8/9
Verifying : httpd-filesystem-2.4.62-1.amzn2.0.2.noarch 9/9

Installed:
httpd.x86_64 0:2.4.62-1.amzn2.0.2

Dependency Installed:
apr.x86_64 0:1.7.2-1.amzn2.0.1 apr-util.x86_64 0:1.6.3-1.amzn2.0.1
apr-util-bdb.x86_64 0:1.6.3-1.amzn2.0.1 generic-logos-httpd.noarch 0:18.0.0-4.amzn2
httpd-filesystem.noarch 0:2.4.62-1.amzn2.0.2 httpd-tools.x86_64 0:2.4.62-1.amzn2.0.2
mailcap.noarch 0:2.1.41-2.amzn2 mod_http2.x86_64 0:1.15.19-1.amzn2.0.2

Complete!
[ec2-user@ip-172-31-82-103 ~]$
```

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```
Apr 11 20:49
ec2-user@ip-172-31-82-103:~
Installed:
  httpd.x86_64 0:2.4.62-1.amzn2.0.2

Dependency Installed:
  apr.x86_64 0:1.7.2-1.amzn2.0.1          apr-util.x86_64 0:1.6.3-1.amzn2.0.1
  apr-util-bdb.x86_64 0:1.6.3-1.amzn2.0.1  generic-logos-httpd.noarch 0:18.0.0-4.amzn2
  httpdfilesystem.noarch 0:2.4.62-1.amzn2.0.2  httpd-tools.x86_64 0:2.4.62-1.amzn2.0.2
  mailcap.noarch 0:2.1.41-2.amzn2            mod_http2.x86_64 0:1.15.19-1.amzn2.0.2

Complete!
[ec2-user@ip-172-31-82-103 ~]$ sudo systemctl start httpd
[ec2-user@ip-172-31-82-103 ~]$ sudo systemctl enable httpd
Created symlink from /etc/systemd/system/multi-user.target.wants/httpd.service to /usr/lib/systemd/system/httpd.service.
[ec2-user@ip-172-31-82-103 ~]$ sudo systemctl status httpd
● httpd.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/httpd.service; enabled; vendor preset: disabled)
   Active: active (running) since Fri 2025-04-11 18:49:06 UTC; 40s ago
     Docs: man:httpd.service(8)
 Main PID: 3424 (httpd)
   Status: "Total requests: 0; Idle/Busy workers 100/0; Requests/sec: 0; Bytes served/sec: 0 B/sec"
    CGroup: /system.slice/httpd.service
            └─3424 /usr/sbin/httpd -DFOREGROUND
              └─3425 /usr/sbin/httpd -DFOREGROUND
                └─3426 /usr/sbin/httpd -DFOREGROUND
                  └─3427 /usr/sbin/httpd -DFOREGROUND
                    └─3428 /usr/sbin/httpd -DFOREGROUND
                      └─3429 /usr/sbin/httpd -DFOREGROUND

Apr 11 18:49:06 ip-172-31-82-103.ec2.internal systemd[1]: Starting The Apache HTTP Server...
Apr 11 18:49:06 ip-172-31-82-103.ec2.internal systemd[1]: Started The Apache HTTP Server.
[ec2-user@ip-172-31-82-103 ~]$
```

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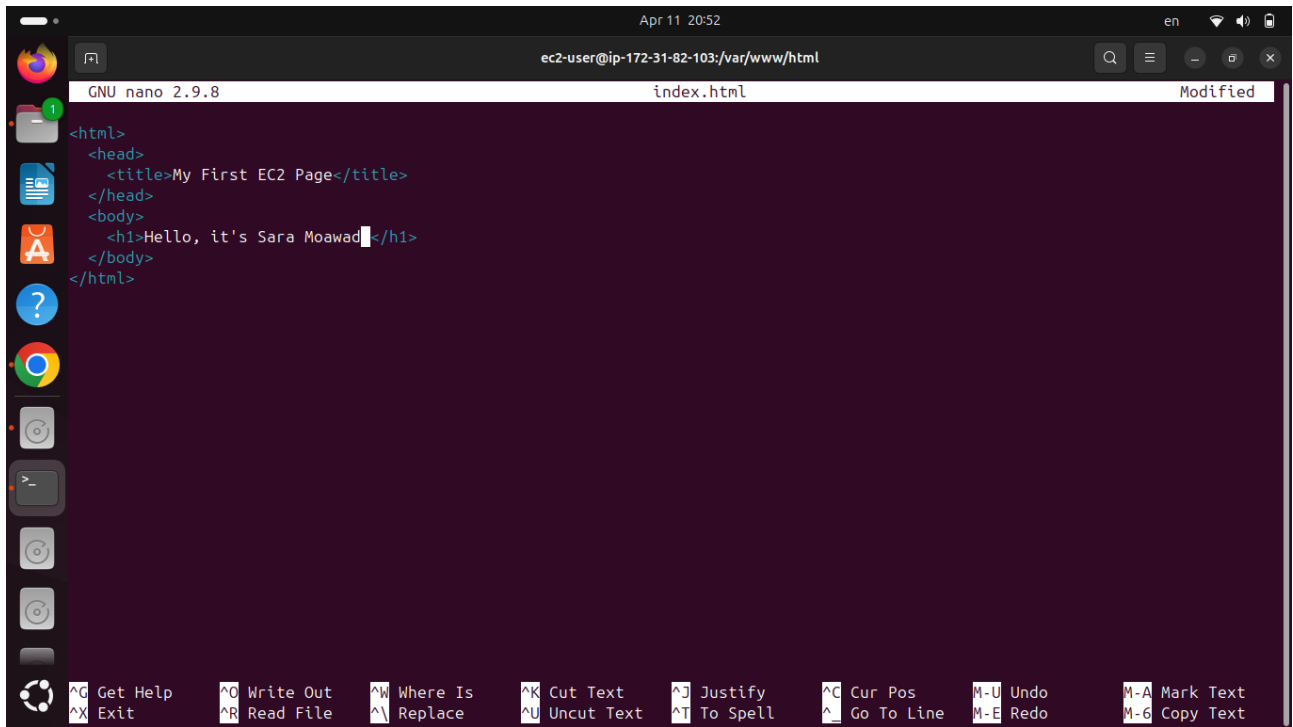
```
Apr 11 20:50
ec2-user@ip-172-31-82-103:/var/www/html
httpd.x86_64 0:2.4.62-1.amzn2.0.2

Dependency Installed:
  apr.x86_64 0:1.7.2-1.amzn2.0.1          apr-util.x86_64 0:1.6.3-1.amzn2.0.1
  apr-util-bdb.x86_64 0:1.6.3-1.amzn2.0.1  generic-logos-httpd.noarch 0:18.0.0-4.amzn2
  httpdfilesystem.noarch 0:2.4.62-1.amzn2.0.2  httpd-tools.x86_64 0:2.4.62-1.amzn2.0.2
  mailcap.noarch 0:2.1.41-2.amzn2            mod_http2.x86_64 0:1.15.19-1.amzn2.0.2

Complete!
[ec2-user@ip-172-31-82-103 ~]$ sudo systemctl start httpd
[ec2-user@ip-172-31-82-103 ~]$ sudo systemctl enable httpd
Created symlink from /etc/systemd/system/multi-user.target.wants/httpd.service to /usr/lib/systemd/system/httpd.service.
[ec2-user@ip-172-31-82-103 ~]$ sudo systemctl status httpd
● httpd.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/httpd.service; enabled; vendor preset: disabled)
   Active: active (running) since Fri 2025-04-11 18:49:06 UTC; 40s ago
     Docs: man:httpd.service(8)
 Main PID: 3424 (httpd)
   Status: "Total requests: 0; Idle/Busy workers 100/0; Requests/sec: 0; Bytes served/sec: 0 B/sec"
    CGroup: /system.slice/httpd.service
            └─3424 /usr/sbin/httpd -DFOREGROUND
              └─3425 /usr/sbin/httpd -DFOREGROUND
                └─3426 /usr/sbin/httpd -DFOREGROUND
                  └─3427 /usr/sbin/httpd -DFOREGROUND
                    └─3428 /usr/sbin/httpd -DFOREGROUND
                      └─3429 /usr/sbin/httpd -DFOREGROUND

Apr 11 18:49:06 ip-172-31-82-103.ec2.internal systemd[1]: Starting The Apache HTTP Server...
Apr 11 18:49:06 ip-172-31-82-103.ec2.internal systemd[1]: Started The Apache HTTP Server.
[ec2-user@ip-172-31-82-103 ~]$ cd /var/www/html
[ec2-user@ip-172-31-82-103 html]$
```

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Apr 11 20:52 en

ec2-user@ip-172-31-82-103:/var/www/html

GNU nano 2.9.8 index.html Modified

```
<html>
<head>
  <title>My First EC2 Page</title>
</head>
<body>
  <h1>Hello, it's Sara Moawad</h1>
</body>
</html>
```

Get Help Exit Write Out Read File Where Is Replace Cut Text Uncut Text Justify To Spell Cur Pos Go To Line Undo Redo Mark Text Copy Text

15-

