

Assignment 1
CLOUD COMPUTING (CSE472)
Summer 2023

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Steps:

1. Make an instance from AWS EC2. For this we used Ubuntu as our Os system.
2. Set the inbound rule from security group. In inbound rule choose SSH from my IP and save the rule
3. Then back to the instance and click on connect to open the SSH.
4. Then in the machine we follow some command line to upload show the website
5. We use **“sudo apt update”** and **“sudo apt upgrade”** for update and upgrade the virtual machine.
6. Then we use **“sudo apt install apache2”** to install apache2 in our machine.
7. Then we use **“sudo ufw allow in ‘apache full’** “for enable our apache2 firewall.
8. Then we use **“sudo apt install git”** for install git into our virtual machine.
9. Then we use **“git clone ‘repository link’”** to clone the repository into our VM.
10. Then we use **“ls”** for the file name and **“cd”** into that file.
11. Then we use **“sudo mv * /var/www/html/** “for move all files into /var/www/html/.
12. Then we **“cd”** into that files.
13. Then we use **“sudo Systemctl enable apache2”** for enabling the apache2.
14. Then we use **“sudo Systemctl start apache2”** for start the apache2.
15. Then we use **“Systemctl status apache2”** for check the apache2 whether it’s running or not.
16. Then we copy the public IP address and paste into our browser and we got that website.
17. Then from EC2 dashboard we can stop and terminated the Instance.

Demonstration in Picture for the above steps:

Name and tags [Info](#)

Name

Tabib

Add additional tags

▼ Application and OS Images (Amazon Machine Image) [Info](#)

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below

Q Search our full catalog including 1000s of application and OS images

Recents

Quick Start

Amazon Linux

aws

macOS

Mac

Ubuntu

ubuntu

Windows

Microsoft

Red Hat

Red Hat

SUSE L

SUSE

Q

Browse more AMIs

Including AMIs from AWS, Marketplace and the Community

Amazon Machine Image (AMI)

Ubuntu Server 22.04 LTS (HVM), SSD Volume Type

Free tier eligible

ami-053b0d53c279acc90 (64-bit (x86)) / ami-0a0c8eebcdd6dcdbd0 (64-bit (Arm))

Virtualization: hvm ENA enabled: true Root device type: ebs

Description

Canonical, Ubuntu, 22.04 LTS, amd64 jammy image build on 2023-05-16

Architecture

AMI ID

64-bit (x86)

ami-053b0d53c279acc90

Verified provider

▼ Instance type [Info](#)

Instance type

t2.micro

Free tier eligible

Family: t2 1 vCPU 1 GiB Memory Current generation: true

On-Demand Windows pricing: 0.0162 USD per Hour

On-Demand SUSE pricing: 0.0116 USD per Hour

On-Demand RHEL pricing: 0.0716 USD per Hour

On-Demand Linux pricing: 0.0116 USD per Hour

☐ All generations

[Compare instance types](#)

▼ Key pair (login) Info

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

Key pair name - required

Tabib

Create new key pair

▼ Network settings Info

Edit

Network Info

vpc-02184da8ed24a2987

Subnet Info

No preference (Default subnet in any availability zone)

Auto-assign public IP Info

Enable

Firewall (security groups) Info

A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

Create security group

Select existing security group

Common security groups Info

Select security groups

Tabib sg-0bf2dbc0a9eabe5a0 X

VPC: vpc-02184da8ed24a2987

Compare security group rules

Security groups that you add or remove here will be added to or removed from all your network interfaces.

▼ Configure storage Info

Advanced

1x 8 GIB gp3 Root volume (Not encrypted)

Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage X

Add new volume

▼ Summary

Number of instances Info

1

Software Image (AMI)

Amazon Linux 2023 AMI 2023.1.2...read more

ami-06ca3ca175f37dd66

Virtual server type (instance type)

t2.micro

Firewall (security group)

Tabib

Storage (volumes)

1 volume(s) - 8 GiB

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 usage on free tier AMIs per month, 30 GiB of EBS storage, 2 million IOs, 1 GB of snapshots, and 100 GB of bandwidth to the internet. X

Cancel

Launch instance

Review commands

Instances (1) Info

Refresh

Connect

Instance state ▼

Actions ▼

Launch instances ▼

Find instance by attribute or tag (case-sensitive)

Instance ID: i-0bc32d888b555f3ef X

Clear filters

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...	Elastic IP
<input type="checkbox"/>	Tabib	i-0bc32d888b555f3ef	Running	t2.micro	2/2 checks passed	No alarms	us-east-1d	ec2-54-87-25-222.com...	54.87.25.222	-

< 1 >

EC2 > Security Groups > sg-0bf2dbc0a9eabe5a0 - Tabib > Edit inbound rules

①

Edit inbound rules info

Inbound rules control the incoming traffic that's allowed to reach the instance.

Inbound rules info

Security group rule ID	Type <small>info</small>	Protocol <small>info</small>	Port range <small>info</small>	Source <small>info</small>	Description - optional <small>info</small>	
sgr-0373689e05cfeefa	HTTPS	TCP	443	Custom	Q	<div>0.0.0.0/0 X</div> <div>Delete</div>
sg-0af677d0f90db2ae5	HTTP	TCP	80	Custom	Q	<div>0.0.0.0/0 X</div> <div>Delete</div>
sg-0a00d5501d0c8737f	SSH	TCP	22	Custom	Q	<div>116.204.154.36/32 X</div> <div>Delete</div>

Add rule

Cancel

Preview changes

Save rules

```
Welcome to Ubuntu 22.04.2 LTS (GNU/Linux 5.19.0-1025-aws x86_64)

* Documentation:  https://help.ubuntu.com
* Management:    https://landscape.canonical.com
* Support:        https://ubuntu.com/advantage

System information as of Fri Jul 14 19:04:54 UTC 2023

System load:  0.0               Processes:    103
Usage of /:   28.3% of 7.57GB   Users logged in:  1
Memory usage: 31%              IPv4 address for eth0: 172.31.16.226
Swap usage:   0%

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

*** System restart required ***
Last login: Fri Jul 14 18:50:40 2023 from 18.206.107.27
ubuntu@ip-172-31-16-226:~$
```

i-0bc32d888b555f3ef (Tabib)

PublicIPs: 54.87.25.222 PrivateIPs: 172.31.16.226


```
ubuntu@ip-172-31-16-226:~$ sudo apt update
Hit:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy InRelease
Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates InRelease [119 kB]
Get:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports InRelease [108 kB]
Get:4 http://security.ubuntu.com/ubuntu jammy-security InRelease [110 kB]
Get:5 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 Packages [14.1 MB]
Get:6 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/universe Translation-en [5652 kB]
Get:7 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 c-n-f Metadata [286 kB]
Get:8 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/multiverse amd64 Packages [217 kB]
Get:9 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/multiverse Translation-en [112 kB]
Get:10 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/multiverse amd64 c-n-f Metadata [8372 B]
Get:11 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 Packages [792 kB]
Get:12 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main Translation-en [200 kB]
Get:13 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 c-n-f Metadata [15.4 kB]
Get:14 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/restricted amd64 Packages [567 kB]
Get:15 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/restricted Translation-en [88.2 kB]
Get:16 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/restricted amd64 c-n-f Metadata [528 B]
Get:17 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 Packages [943 kB]
Get:18 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/universe Translation-en [202 kB]
Get:19 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 c-n-f Metadata [20.7 kB]
Get:20 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/multiverse amd64 Packages [41.6 kB]
Get:21 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/multiverse Translation-en [9764 B]
Get:22 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/multiverse amd64 c-n-f Metadata [476 B]
Get:23 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/main amd64 Packages [40.9 kB]
Get:24 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/main Translation-en [10.2 kB]
Get:25 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/main amd64 c-n-f Metadata [388 B]
Get:26 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/restricted amd64 c-n-f Metadata [116 B]
Get:27 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/universe amd64 Packages [22.2 kB]
Get:28 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/universe Translation-en [15.4 kB]
Get:29 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/universe amd64 c-n-f Metadata [580 B]
Get:30 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/multiverse amd64 c-n-f Metadata [116 B]
Get:31 http://security.ubuntu.com/ubuntu jammy-security/main amd64 Packages [572 kB]
Get:32 http://security.ubuntu.com/ubuntu jammy-security/main Translation-en [140 kB]
Get:33 http://security.ubuntu.com/ubuntu jammy-security/main amd64 c-n-f Metadata [11.0 kB]
Get:34 http://security.ubuntu.com/ubuntu jammy-security/restricted amd64 Packages [558 kB]
Get:35 http://security.ubuntu.com/ubuntu jammy-security/restricted Translation-en [87.2 kB]
Get:36 http://security.ubuntu.com/ubuntu jammy-security/restricted amd64 c-n-f Metadata [532 B]
Get:37 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 Packages [748 kB]
Get:38 http://security.ubuntu.com/ubuntu jammy-security/universe Translation-en [133 kB]
Get:39 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 c-n-f Metadata [15.7 kB]
Get:40 http://security.ubuntu.com/ubuntu jammy-security/multiverse amd64 Packages [36.5 kB]
Get:41 http://security.ubuntu.com/ubuntu jammy-security/multiverse Translation-en [7060 B]
```

i-0bc32d888b555f3ef (Tabib)

PublicIPs: 54.87.25.222 PrivateIPs: 172.31.16.226

```
ubuntu@ip-172-31-16-226:~$ sudo apt upgrade
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Calculating upgrade... Done
#
# An OpenSSH vulnerability has recently been fixed with USN-6188-1 & 6119-1:
# CVE-2022-2650: possible DoS translating X.11 object identifiers.
# Ensure you have updated the package to its latest version.
#
The following NEW packages will be installed:
  linux-aws-5.19-headers-5.19.0-1028 linux-headers-5.19.0-1028-aws linux-image-5.19.0-1028-aws linux-modules-5.19.0-1028-aws
The following packages have been kept back:
  cloud-init python3-debian
The following packages will be upgraded:
  support bind9-dnswild bind9-host bind9-libs binutils binutils-common binutils-x86-64-linux-gnu ca-certificates dpkg ec2-hibinit-agent fwupd-signed grub-common grub-pc grub-pc-bin grub2-common hibernent
  initramfs-tools initramfs-tools-bin initramfs-tools-core iptables libbinutils libc-bin libcap2 libc-bin libelf1 libfdt0 libfwupd2 libfwupdplugin3 libglib2.0-0 libglib2.0-bin libglib2.0-data libip4tc2
  libip6tc2 libm-glib5 libncurses6 libncursesw6 libpcre2-8-0 libpython3.10 libpython3.10-minimal libpython3.10-stdlib libssh-4 libssl3 libtinfo6 libuuid-4 libxtables12 linux-aws
  linux-headers-aws linux-image-aws mdadm ncutils ncurses-base ncurses-bin ncurses-term openssh-client openssh-perl perl-base perl-modules-5.34 python3-apt python3-problem-report python3-requests
  python3-software-properties python3.10 python3.10-minimal snapd software-properties-common tzdata ubuntu-advantage-tools ubuntu-minimal ubuntu-server ubuntu-standard vim vim-common vim-runtime vim-tiny xdg
77 upgraded, 4 newly installed, 0 to remove and 2 not upgraded.
46 standard (0% security updates)
Need to get 123 MB of archives.
After this operation, 282 MB of additional disk space will be used.
Do you want to continue? [Y/n] Y
Get:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 dpkg amd64 1.21.1ubuntu2.2 [1239 kB]
Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 ncurses-bin amd64 6.3-2ubuntu0.1 [184 kB]
Get:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 libperl5.34 amd64 5.34.0-3ubuntu2 [4818 kB]
Get:4 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 perl amd64 5.34.0-3ubuntu2 [232 kB]
Get:5 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 perl-base amd64 5.34.0-3ubuntu2 [1759 kB]
Get:6 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 perl-modules-5.34 all 5.34.0-3ubuntu2 [2977 kB]
Get:7 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 ncurses-base all 6.3-2ubuntu0.1 [20.2 kB]
Get:8 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 libpython3.10 amd64 3.10.6-1-22.04.2ubuntu1.1 [1955 kB]
Get:9 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 libssl3 amd64 3.0.2-0ubuntu1.10 [1501 kB]
Get:10 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 python3.10 amd64 3.10.6-1-22.04.2ubuntu1.1 [497 kB]
Get:11 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 libpython3.10-stdlib amd64 3.10.6-1-22.04.2ubuntu1.1 [1832 kB]
Get:12 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 python3.10-minimal amd64 3.10.6-1-22.04.2ubuntu1.1 [2262 kB]
Get:13 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 libpython3.10-minimal amd64 3.10.6-1-22.04.2ubuntu1.1 [810 kB]
Get:14 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 libncursesw6 amd64 6.3-2ubuntu0.1 [111 kB]
Get:15 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 libncurses6 amd64 6.3-2ubuntu0.1 [147 kB]
Get:16 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 libtinfo6 amd64 6.3-2ubuntu0.1 [105 kB]
Get:17 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 libglib2.0-data all 2.72.4-0ubuntu2.2 [4612 B]
```

i-0bc32d888b555f3ef (Tabib)

PublicIPs: 54.87.25.222 PrivateIPs: 172.31.16.226

```
ubuntu@ip-172-31-16-226:~$ sudo apt install apache2
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  apache2-bin apache2-data apache2-utils bzip2 libapr1 libaprutil1 libaprutil1-dbd-sqlite3 libaprutil1-ldap liblua5.3-0 mailcap mime-support ssl-cert
Suggested packages:
  apache2-doc apache2-suexec-pristine | apache2-suexec-custom www-browser bzip2-doc
The following NEW packages will be installed:
  apache2 apache2-bin apache2-data apache2-utils bzip2 libapr1 libaprutil1 libaprutil1-dbd-sqlite3 libaprutil1-ldap liblua5.3-0 mailcap mime-support ssl-cert
0 upgraded, 13 newly installed, 0 to remove and 2 not upgraded.
Need to get 2137 kB of archives.
After this operation, 8505 kB of additional disk space will be used.
Do you want to continue? [Y/n] Y
Get:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 libapr1 amd64 1.7.0-8ubuntu0.22.04.1 [108 kB]
Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 libaprutil1 amd64 1.6.1-5ubuntu4.22.04.1 [92.6 kB]
Get:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 libaprutil1-dbd-sqlite3 amd64 1.6.1-5ubuntu4.22.04.1 [11.3 kB]
Get:4 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 libaprutil1-ldap amd64 1.6.1-5ubuntu4.22.04.1 [9168 B]
Get:5 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/main amd64 liblua5.3-0 amd64 5.3.6-1build1 [140 kB]
Get:6 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 apache2-bin amd64 2.4.52-1ubuntu4.5 [1345 kB]
Get:7 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 apache2-data all 2.4.52-1ubuntu4.5 [165 kB]
Get:8 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 apache2-utils amd64 2.4.52-1ubuntu4.5 [89.1 kB]
Get:9 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/main amd64 mailcap all 3.70+mmulubuntul [23.8 kB]
Get:10 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/main amd64 mime-support all 3.66 [3696 B]
Get:11 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 apache2 amd64 2.4.52-1ubuntu4.5 [97.8 kB]
Get:12 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/main amd64 bzip2 amd64 1.0.8-5build1 [34.8 kB]
Get:13 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/main amd64 ssl-cert all 1.1.2 [17.4 kB]
Fetched 2137 kB in 0s (31.9 MB/s)
Preconfiguring packages ...
Selecting previously unselected package libapr1:amd64.
(Reading database ... 93701 files and directories currently installed.)
Preparing to unpack .../00-libapr1_1.7.0-8ubuntu0.22.04.1_amd64.deb ...
Unpacking libapr1:amd64 (1.7.0-8ubuntu0.22.04.1) ...
Selecting previously unselected package libaprutil1:amd64.
Preparing to unpack .../01-libaprutil1_1.6.1-5ubuntu4.22.04.1_amd64.deb ...
Unpacking libaprutil1:amd64 (1.6.1-5ubuntu4.22.04.1) ...
Selecting previously unselected package libaprutil1-dbd-sqlite3:amd64.
Preparing to unpack .../02-libaprutil1-dbd-sqlite3_1.6.1-5ubuntu4.22.04.1_amd64.deb ...
Unpacking libaprutil1-dbd-sqlite3:amd64 (1.6.1-5ubuntu4.22.04.1) ...
Selecting previously unselected package libaprutil1-ldap:amd64.
Preparing to unpack .../03-libaprutil1-ldap_1.6.1-5ubuntu4.22.04.1_amd64.deb ...
Unpacking libaprutil1-ldap:amd64 (1.6.1-5ubuntu4.22.04.1) ...
```

i-0bc32d888b555f3ef (Tabib)

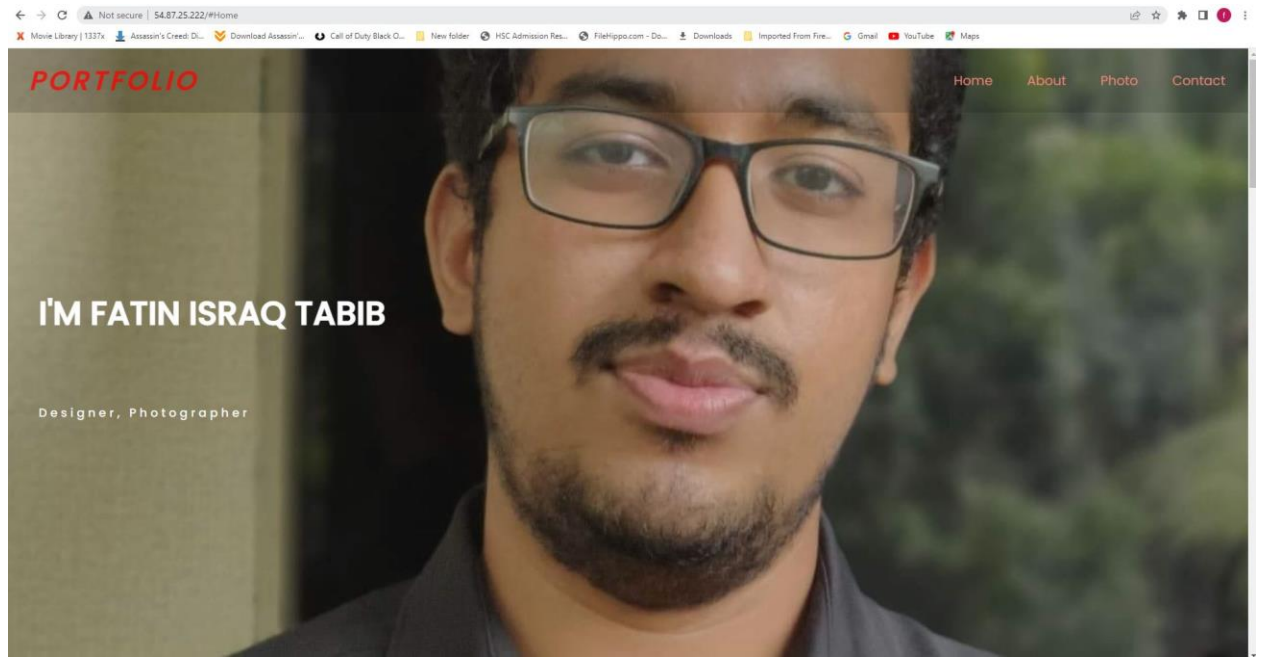
PublicIPs: 54.87.25.222 PrivateIPs: 172.31.16.226

```
ubuntu@ip-172-31-16-226:~$ sudo ufw app list
Available applications:
  Apache
  Apache Full
  Apache Secure
  OpenSSH
ubuntu@ip-172-31-16-226:~$ sudo ufw allow in "Apache Full"
Rules updated
Rules updated (v6)
```

```
ubuntu@ip-172-31-16-226:~$ sudo apt install git
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
git is already the newest version (1:2.34.1-1ubuntu1.9).
git set to manually installed.
0 upgraded, 0 newly installed, 0 to remove and 2 not upgraded.
ubuntu@ip-172-31-16-226:~$ git clone https://github.com/Fatin817/Fatin.github.io.git
Cloning into 'Fatin.github.io'...
remote: Enumerating objects: 31, done.
remote: Counting objects: 100% (31/31), done.
remote: Compressing objects: 100% (31/31), done.
remote: Total 31 (delta 3), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (31/31), 2.33 MiB | 19.23 MiB/s, done.
Resolving deltas: 100% (3/3), done.
ubuntu@ip-172-31-16-226:~$ ls
Fatin.github.io
ubuntu@ip-172-31-16-226:~$ cd Fatin.github.io
ubuntu@ip-172-31-16-226:~/Fatin.github.io$ sudo mv * /var/www/html/
ubuntu@ip-172-31-16-226:~/Fatin.github.io$ cd /var/www/html/
ubuntu@ip-172-31-16-226:/var/www/html$ ls
1.jpg 11.jpg 2.jpg 2022280_mid.html 4.jpg 6.jpg 8.jpg 'about me.JPG' 'contact and footer.JPG' header.JPG navbar.JPG skills.JPG
10.jpg 12.jpg 2022280_mid.css 3.jpg 5.jpg 7.jpg 9.jpg big.jpg education.JPG index.html photo.JPG small.jpg
ubuntu@ip-172-31-16-226:/var/www/html$ sudo systemctl enable apache2
Synchronizing state of apache2.service with SysV service script with /lib/systemd/systemd-sysv-install.
Executing: /lib/systemd/systemd-sysv-install enable apache2
ubuntu@ip-172-31-16-226:/var/www/html$ sudo systemctl start apache2
ubuntu@ip-172-31-16-226:/var/www/html$ systemctl status apache2
● apache2.service - The Apache HTTP Server
   Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor preset: enabled)
   Active: active (running) since Fri 2023-07-14 18:52:48 UTC; 2min 43s ago
     Docs: https://httpd.apache.org/docs/2.4/
    Main PID: 21593 (apache2)
      Tasks: 55 (limit: 1141)
    Memory: 5.0M
       CPU: 35ms
    CGroup: /system.slice/apache2.service
            └─21593 /usr/sbin/apache2 -k start
            └─21595 /usr/sbin/apache2 -k start
            └─21596 /usr/sbin/apache2 -k start
```

i-0bc32d888b555f3ef (Tabib)

PublicIPs: 54.87.25.222 PrivateIPs: 172.31.16.226



Instances (1/1) Info										Connect	Instance state ▲	Actions ▼	Launch instances ▼
Find instance by attribute or tag (case-sensitive)											Stop instance	Public IPv4 ... ▼ Elastic IP ▼ IF	< 1 > ⚙
Instance state: running X Clear filters											Start instance		
											Reboot instance		
											Hibernate instance		
											Terminate instance	54.87.25.222	-