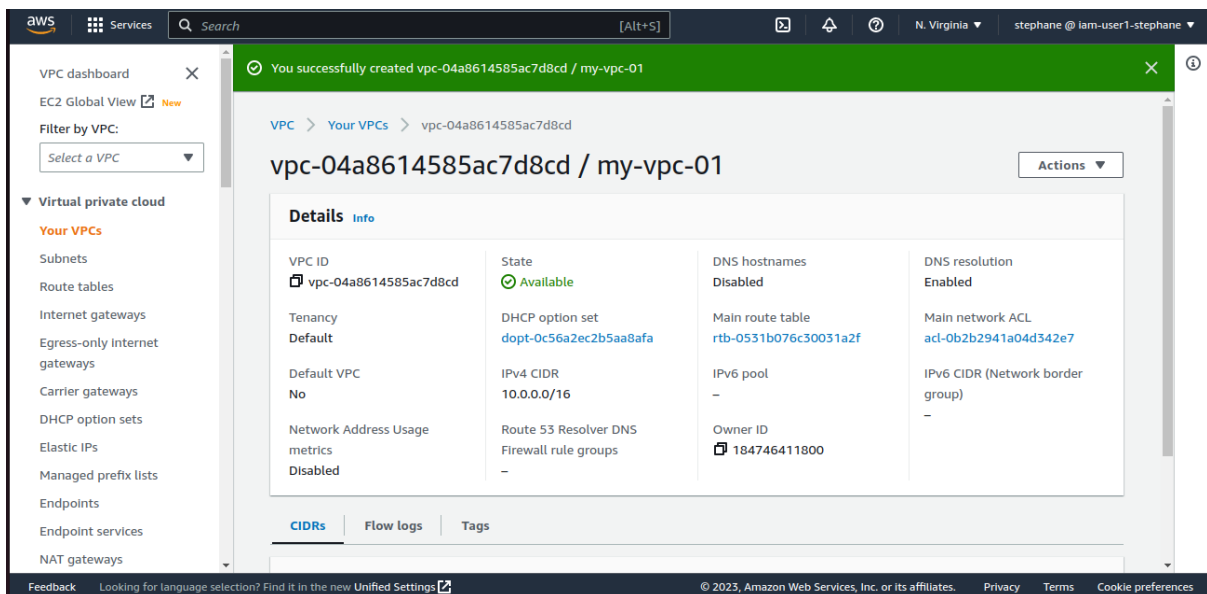


# Lab 2 - Part 1

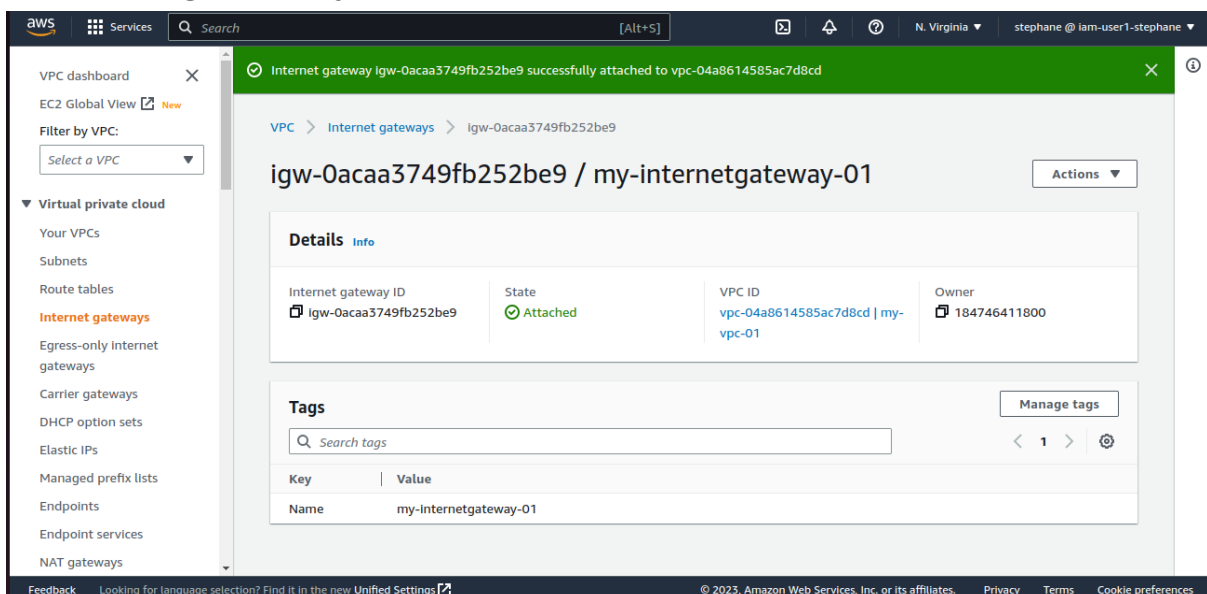
الاسم: سلمى محمد يوسف

## Part 1:

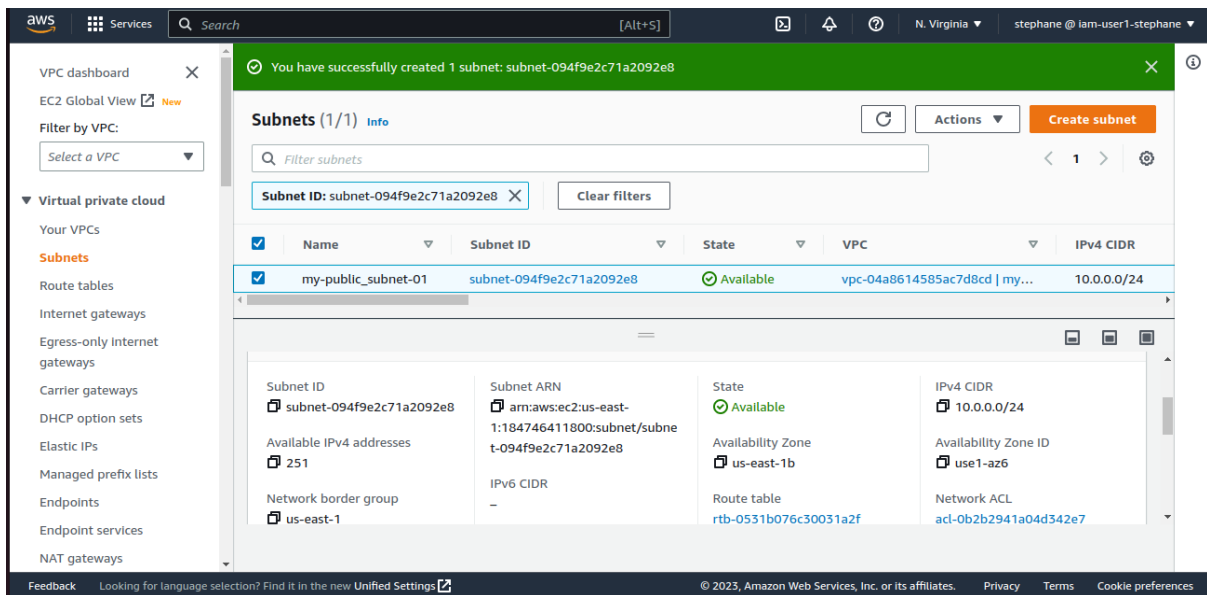
VPC:



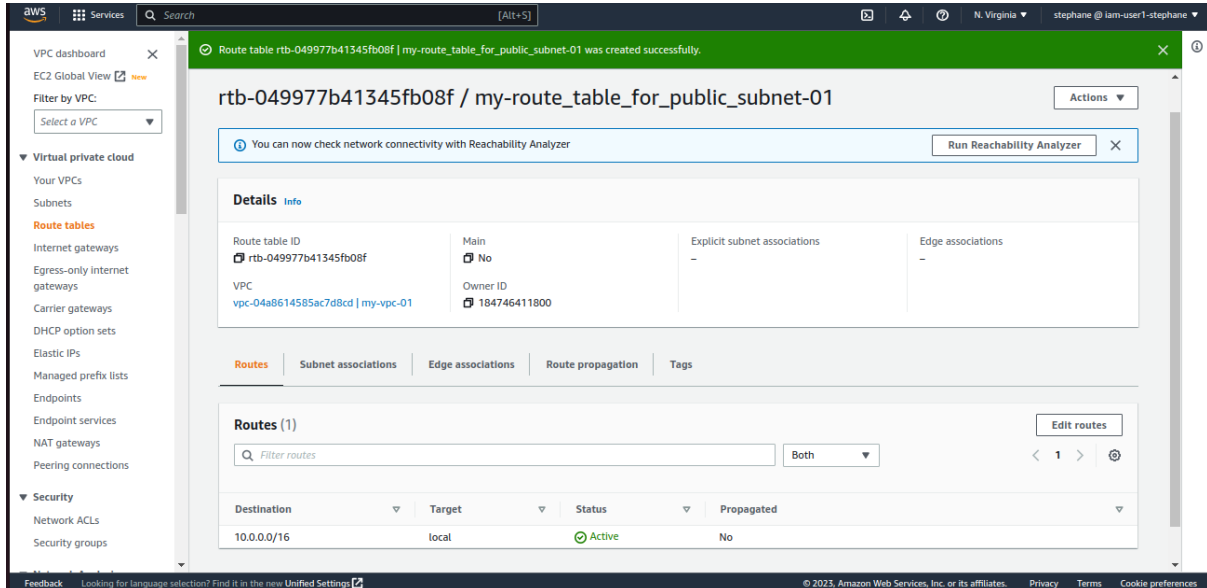
Internet gateway:



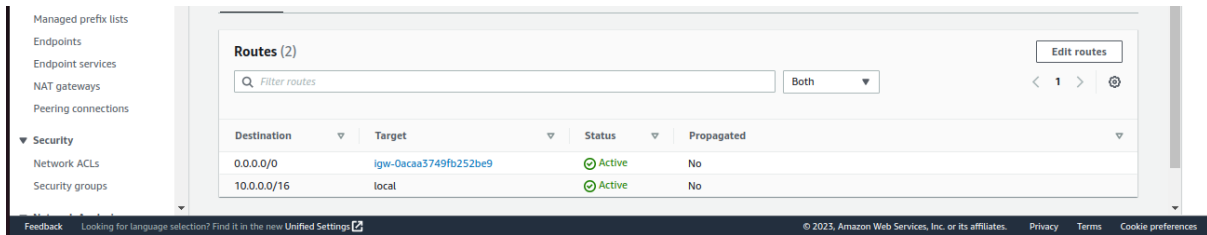
## Custom public subnet:



## Route table for the public subnet:



## Add a route for the internet gateway:



Attach the route table to the custom public subnet:



modify the inbound rules to access the apache default page:

This security group will be added to all network interfaces. The name can't be edited after the security group is created. Max length is 255 characters. Valid characters: a-z, A-Z, 0-9, spaces, and .\_-:/()#,@[]+=&;{}!\$\*

Description - [required](#) [Info](#)

launch-wizard-1 created 2023-01-09T17:04:47.544Z

Inbound security groups rules

▼ Security group rule 1 (TCP, 80, 0.0.0.0/0)

Remove

Type [Info](#)

Protocol [Info](#)

Port range [Info](#)

HTTP

TCP

80

Source type [Info](#)

Source [Info](#)

Description - [optional](#) [Info](#)

Anywhere

Q Add CIDR, prefix list or security group

0.0.0.0/0 X

e.g. SSH for admin desktop

⚠ Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.

X

Add security group rule

▼ Summary

Number of Instance

1

[Software Image \(AMI\)](#)

Canonical, Ubuntu, ami-06878d26597831

[Virtual server type](#)

t2.micro

[Firewall \(security group\)](#)

New security group

[Storage \(volumes\)](#)

1 volume(s) - 8 GiB

Cancel

Installing apache while launching ec2 instance:

Allow tags in metadata [Info](#)

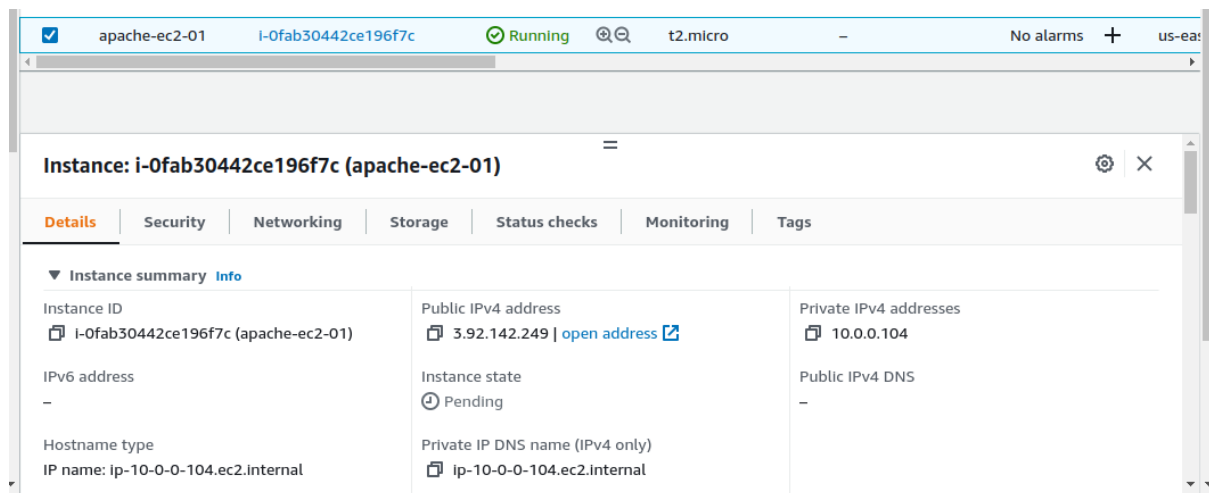
Select

User data [Info](#)

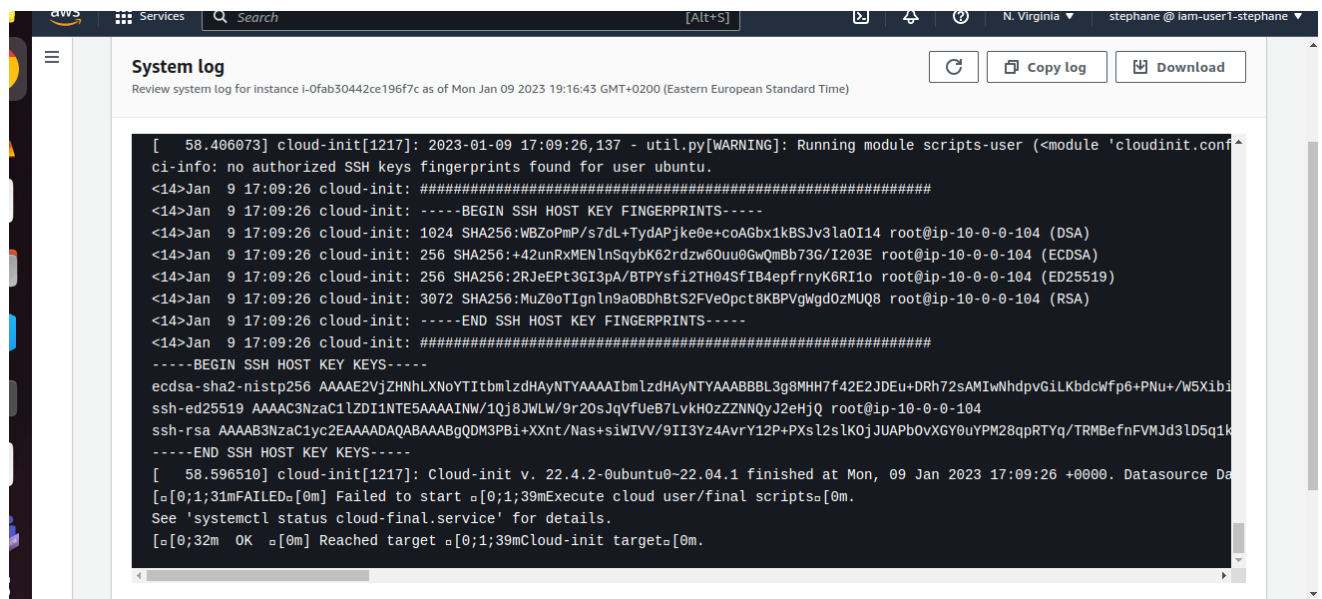
```
#!/bin/bash
sudo apt-get upgrade
sudo apt update -y
sudo apt install apache2 -y
sudo systemctl enable apache2
```

☐ User data has already been base64 encoded

## public ip and private ip of ec2:



## ec2 log:




## apache default page:

Google Chrome 19:09 9 Lu

[NEW] x EC2 M x Lab 2 x [G] install x [G] Conn x (2) Ho x [f] Abdel x [G] install x [G] How x [G] Apach x

Not secure | 3.92.142.249

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# Apache2 Default Page

# Ubuntu

It works!

This is the default welcome page used to test the correct operation of the Apache2 server after installation on Ubuntu systems. It is based on the equivalent page on Debian, from which the Ubuntu Apache packaging is derived. If you can read this page, it means that the Apache HTTP server installed at this site is working properly. You should **replace this file** (located at `/var/www/html/index.html`) before continuing to operate your HTTP server.

If you are a normal user of this web site and don't know what this page is about, this probably means that the site is currently unavailable due to maintenance. If the problem persists, please contact the site's administrator.

### Configuration Overview

Ubuntu's Apache2 default configuration is different from the upstream default configuration, and split into several files optimized for interaction with Ubuntu tools. The configuration system is **fully documented in `/usr/share/doc/apache2/README.Debian.gz`**. Refer to this for the full documentation. Documentation for the web server itself can be found by accessing the **manual** if the `apache2-doc` package was installed on this server.

The configuration layout for an Apache2 web server installation on Ubuntu systems is as follows:

```
/etc/apache2/
|-- apache2.conf
/   |-- ports.conf
|-- mods-enabled
/   |-- *.load
/   |-- *.conf
|-- conf-enabled
/   |-- *.conf
|-- sites-enabled
/   |-- *.conf
```