ICT-171

ASSIGNMENT-2 CLOUD PROJECT

IP: 13.60.65.128

DNS: http://www.medisearch.online

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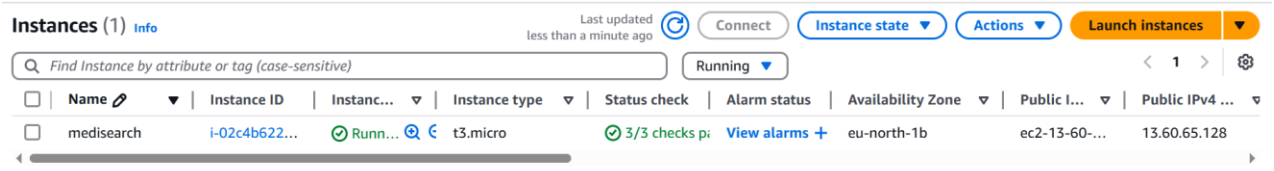
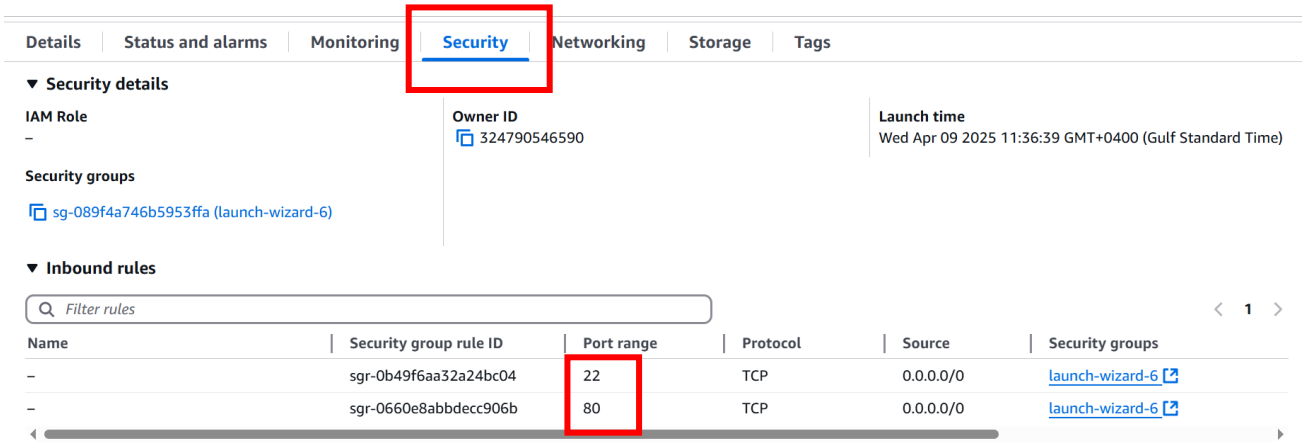
STUDENT ID: 35480908

➢ SETTING UP A WEB-SERVER:

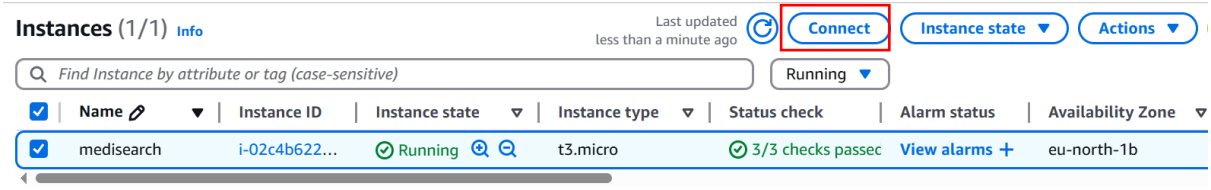
1. Launch an instance



2. Enable port 22 and 80 in edit inbound rule in security option



3. Connect instance to ubuntu terminal



Connect to instance Info

Connect to your instance i-02c4b62287fe930da (medisearch) using any of these options

EC2 Instance Connect | Session Manager | SSH client | EC2 serial console

Instance ID
i-02c4b62287fe930da (medisearch)

Connection Type

- Connect using EC2 Instance Connect
  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, wi endpoint.

- Public IPv4 address
  13.60.65.128
- IPv6 address
  –

```
Welcome to Ubuntu 24.04.2 LTS (GNU/Linux 6.8.0-1026-aws x86_64)

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

 System information as of Wed Apr  9 12:37:14 UTC 2025

  System load:  0.0               Temperature:           -273.1 C
  Usage of /:   45.6% of 6.71GB   Processes:             118
  Memory usage: 72%               Users logged in:       0
  Swap usage:   0%                IPv4 address for ens5: 172.31.32.222


Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

6 additional security updates can be applied with ESM Apps.
Learn more about enabling ESM Apps service at https://ubuntu.com/esm


Last login: Wed Apr  9 07:56:14 2025 from 13.48.4.202
ubuntu@ip-172-31-32-222:~$
```

Our instance in connected with terminal

- **The second way of connecting**

1) copy chmod 400 and ssh and past it on ubuntu terminal

EC2 Instance Connect | Session Manager | SSH client | EC2 serial console

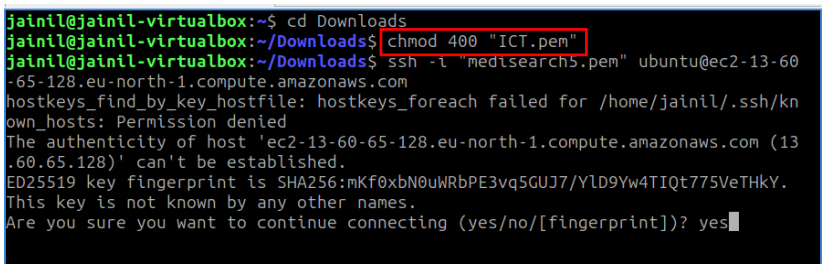
Instance ID
i-02c4b62287fe930da (medisearch)

1. Open an SSH client.
2. Locate your private key file. The key used to launch this instance is medisearch5.pem
3. Run this command, if necessary, to ensure your key is not publicly viewable.
   chmod 400 "medisearch5.pem"
4. Connect to your instance using its Public DNS:
   ec2-13-60-65-128.eu-north-1.compute.amazonaws.com

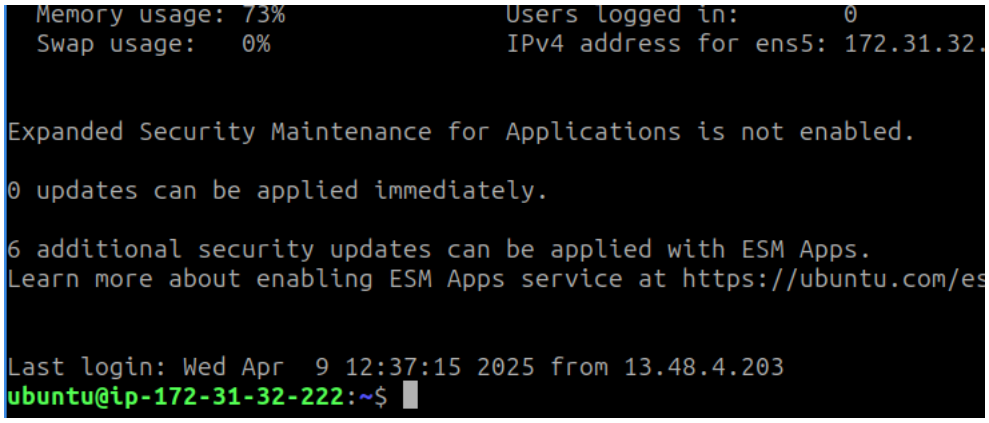
Example:

ssh -i "medisearch5.pem" ubuntu@ec2-13-60-65-128.eu-north-1.compute.amazonaws.com

2) and now open terminal and past it.



3) and now our instance is conncted with ubuntu



- **And now, we download Apache in our ubuntu:**

Sudo apt install apache2

Sudo apt -get update

Sudo su

Sudo systemctl reload apache2

Sudo systemctl restart apache2

➢Setting up WordPress:

- We need to update our repository and upgrade our packages before we begin.

```
sudo apt update && sudo apt upgrade -y
```

- Install Apache server and the necessary dependency.

```
sudo apt install apache2 ghostscript libapache2-mod-php mysql-server php php-bcmath php-curl php-imagick php-intl php-json php-mbstring php-mysql php-xml php-zip -y
```

- Make the directory where we'll host the WordPress files

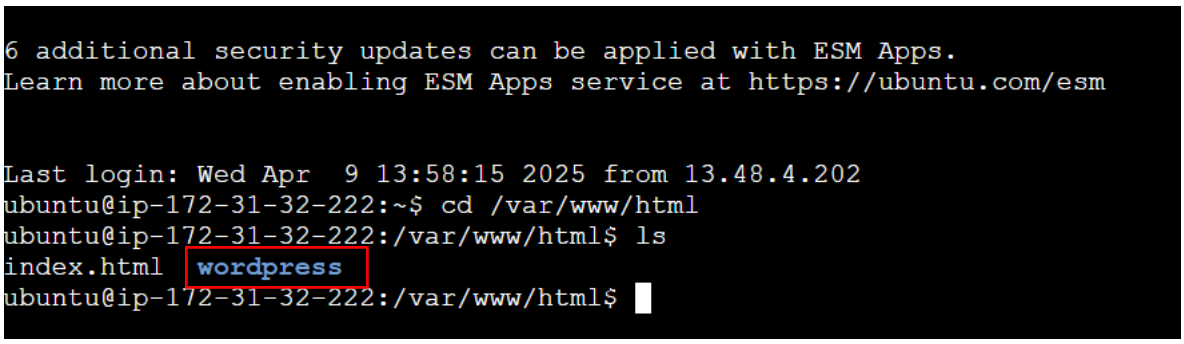
```
sudo mkdir -p /var/www/html
```

- Change the directory's ownership to the user www-data

```
sudo chown www-data: /var/www/html
```

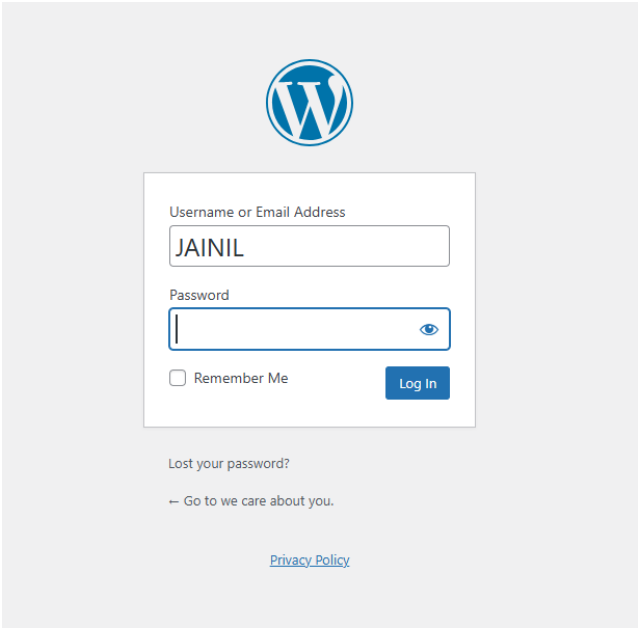
- And then curl the zip files from the official wordpress page and unzip them into the directory we created.

```
curl https://wordpress.org/latest.tar.gz | sudo -u www-data tar zx -C /var/www/html
```



Our wordpress is installed successfully

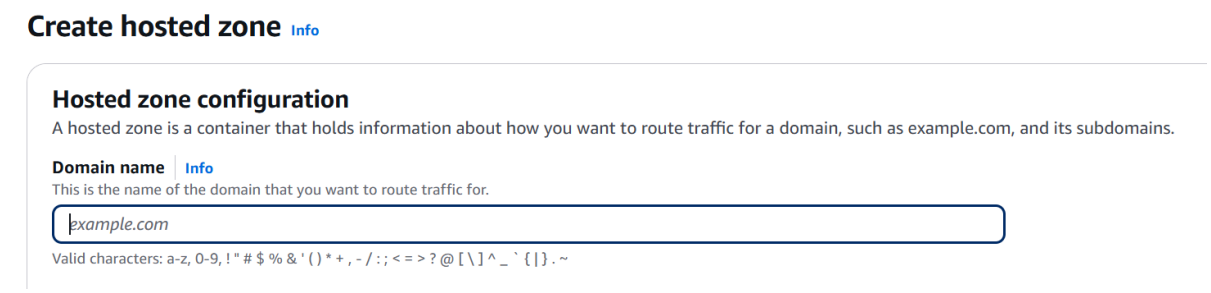
Now we can set up our account



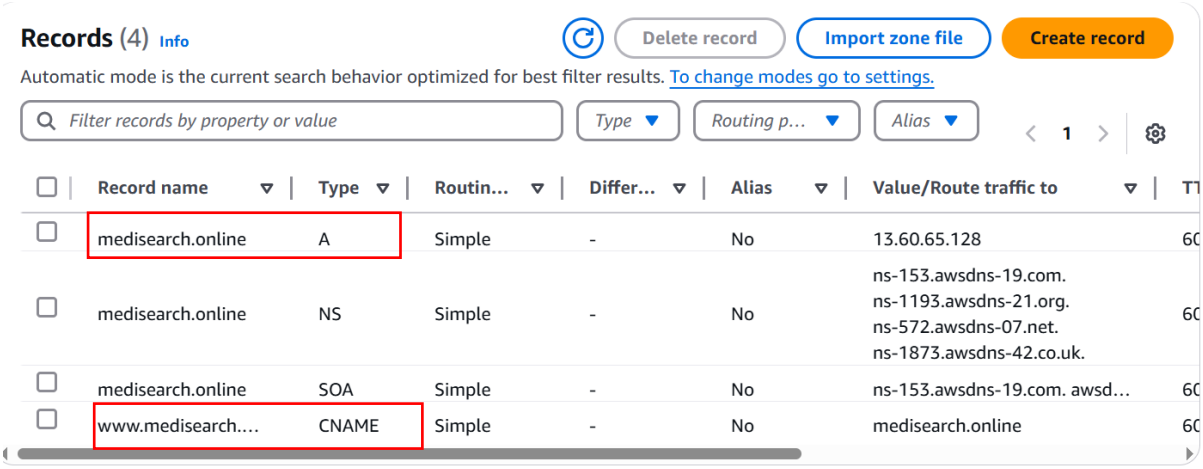
Now we can login into our Wordpress

➢ Linking with DNS

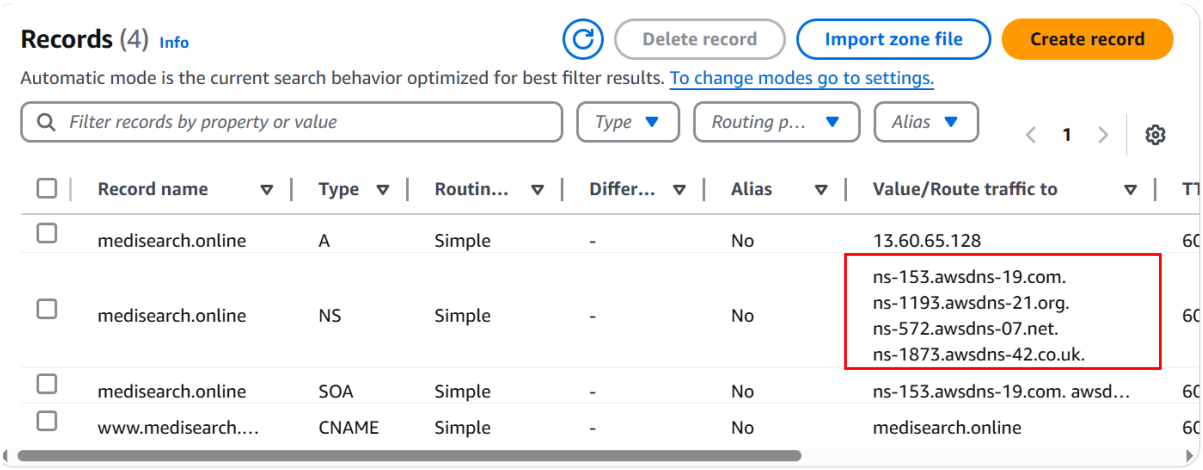
1) We create hosting network using route 53



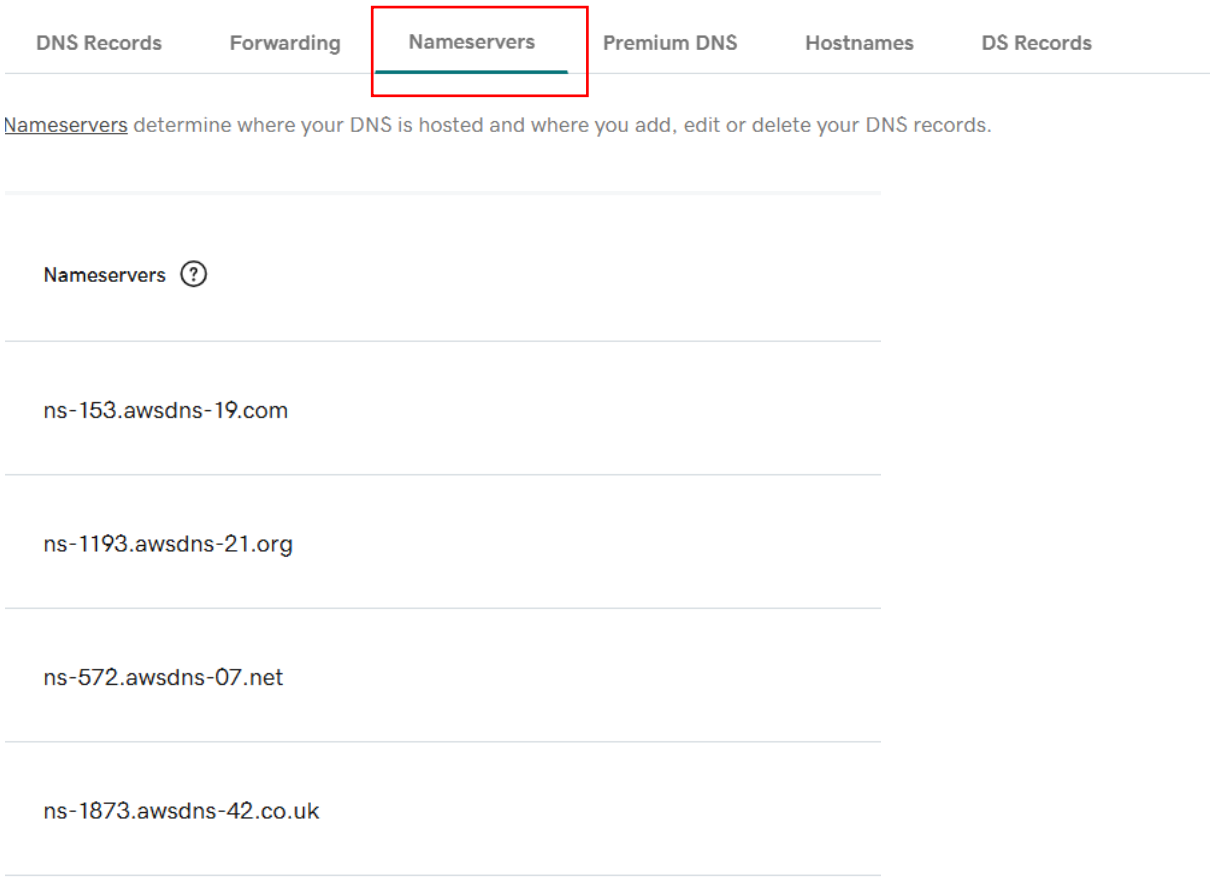
2) Now we create an “A” record and “CNAME” record



3) Now we create an nameserver



4) Now we copy these nameservers and past into in godaddy.



➢ SSL/TLS Documentation:

1). First we download certbot

```
sudo snap install --classic certbot
```

2).

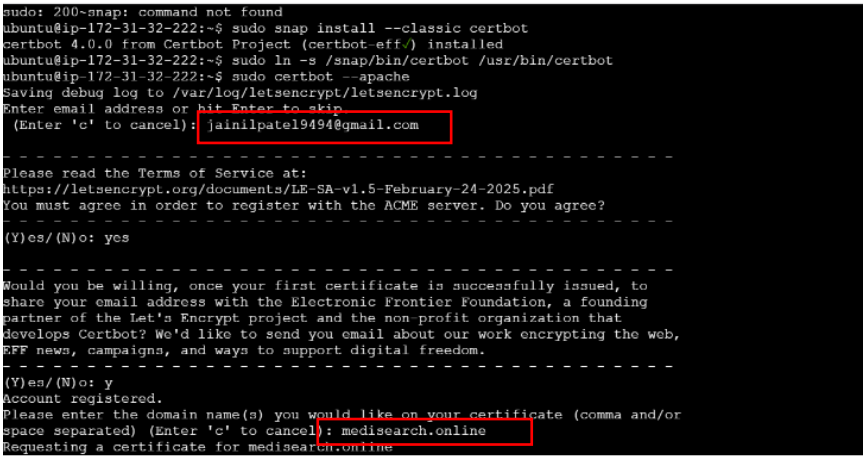
```
sudo ln -s /snap/bin/certbot /usr/bin/certbot
```

3).

```
sudo certbot --apache
```

4).

```
sudo certbot certonly --apache
```



End of documentation