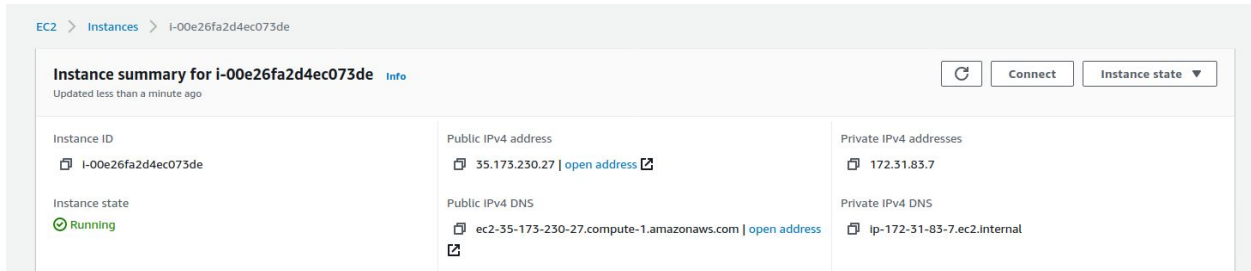CS456 -lab04:1a - Branden-Codd, 940428984

1. EC2 VM

EC2 > Instances > i-00e26fa2d4ec073de

Instance summary for i-00e26fa2d4ec073de Info
Updated less than a minute ago

Instance ID	Public IPv4 address	Private IPv4 addresses
i-00e26fa2d4ec073de	35.173.230.27 | open address	172.31.83.7
Instance state	Public IPv4 DNS	Private IPv4 DNS
⊘ Running	ec2-35-173-230-27.compute-1.amazonaws.com | open address	ip-172-31-83-7.ec2.internal

2. Register a DNS name for VM

Create a dns record for an IP address instantly

The record *cs356-coddb.ipq.co*

resolves to IP address *35.173.230.27*

Follow @ipq_co on twitter, email us, or read the blog
Terms of the use of this service.

3. Checkout code

- ssh into the machine using the public IP address that you noted earlier

```
branden@branden-VirtualBox:~$ ssh -i awseducate.pem ubuntu@<public-ip-address>
bash: syntax error near unexpected token `newline'
branden@branden-VirtualBox:~$ ssh -i awseducate.pem ubuntu@35.173.230.27
The authenticity of host '35.173.230.27 (35.173.230.27)' can't be established.
ECDSA key fingerprint is SHA256:HgqZDoWkiN2dF33vyMuQxQYLepdw6Xq6Y/sNbCoG/Fc.
Are you sure you want to continue connecting (yes/no/[fingerprint])? y
Please type 'yes', 'no' or the fingerprint: yes
Warning: Permanently added '35.173.230.27' (ECDSA) to the list of known hosts.
Welcome to Ubuntu 18.04.5 LTS (GNU/Linux 5.4.0-1029-aws x86_64)

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

  System information as of Mon Feb  1 23:58:05 UTC 2021

  System load:  0.08              Processes:           90
  Usage of /:   14.6% of 7.69GB   Users logged in:     0
  Memory usage: 17%               IP address for eth0: 172.31.83.7
  Swap usage:   0%

0 packages can be updated.
0 updates are security updates.


The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

ubuntu@ip-172-31-83-7:~$
```

- Clone the repository and change into the source directory

```
ubuntu@ip-172-31-83-7:~$ git clone https://gitlab.com/pouliotd/cs356-cloud-files.git
Cloning into 'cs356-cloud-files'...
Username for 'https://gitlab.com': coddb
Password for 'https://coddb@gitlab.com':
remote: Enumerating objects: 111, done.
remote: Counting objects: 100% (111/111), done.
remote: Compressing objects: 100% (100/100), done.
remote: Total 111 (delta 38), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (111/111), 23.84 KiB | 5.96 MiB/s, done.
Resolving deltas: 100% (38/38), done.
ubuntu@ip-172-31-83-7:~$ cd cs356-cloud-files/03_nginx_uwsgi_certbot
ubuntu@ip-172-31-83-7:~/cs356-cloud-files/03_nginx_uwsgi_certbot$
```
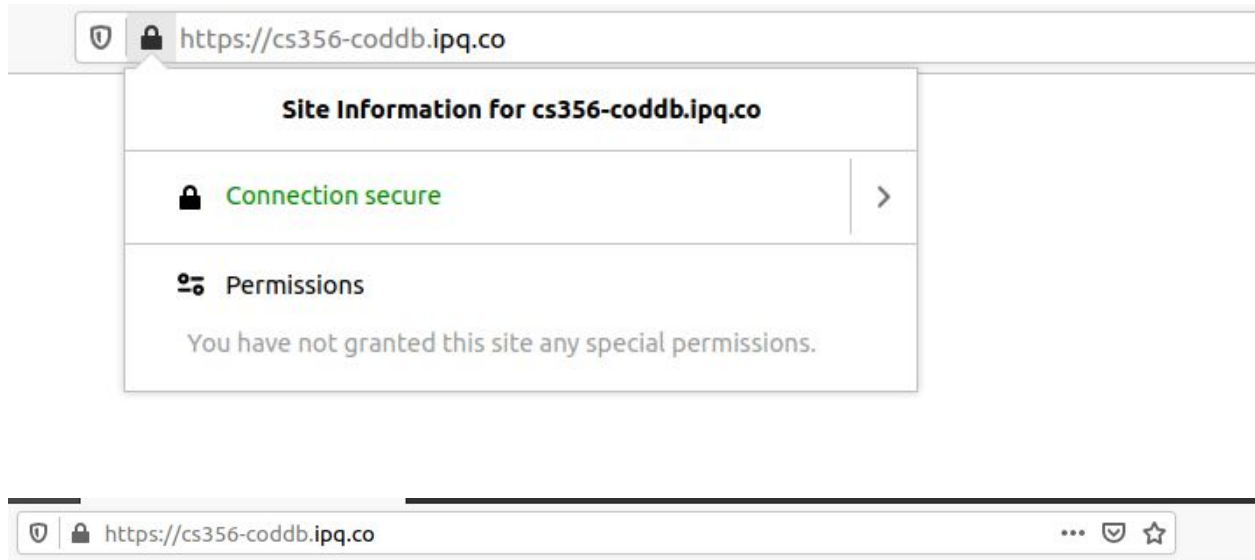
4. Examine code

```
39
40 certbot --nginx -d $1 -n -m coddb@sou.edu --agree-tos --redirect
41
42 #    must be able to write to.  Add user to www-data group.
43 echo "Installation complete.  Please logout and log back in for group and umask changes to
```

5. Install the application

https://cs356-coddb.ipq.co

Site Information for cs356-coddb.ipq.co

🔒 Connection secure   >

⚙ Permissions
You have not granted this site any special permissions.

https://cs356-coddb.ipq.co

Guestbook

Sign here

Entries

Branden Codd <coddb@sou.edu>
signed on 2021-02-03
lets encrypt

6. Clean up

- Successfully terminated the instance

	Name		Instance ID	Instance state		Instance type	Status check	Alarm status
☐	–		i-00e26fa2d4ec073de	⊖ Terminated	⊕⊖	t2.micro	–	⊘ 1 alar... +