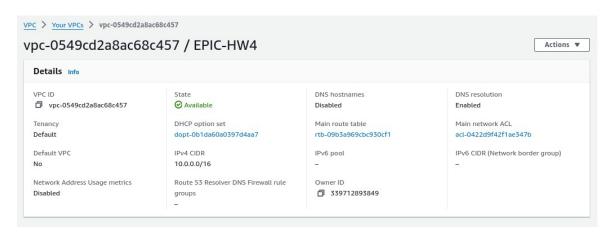
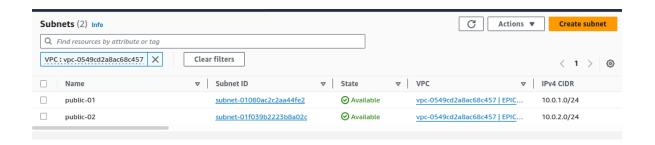
Expectation for Exercise 2:

Create new VPC:

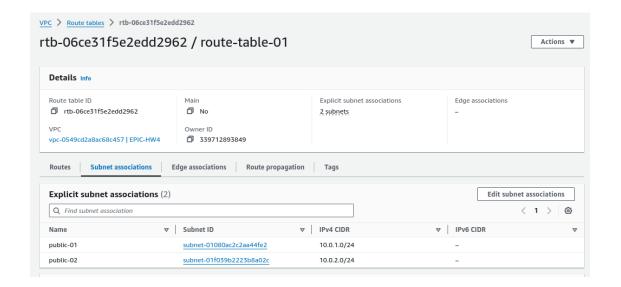


Expectation for Exercise 3:

Create 2 subnets:



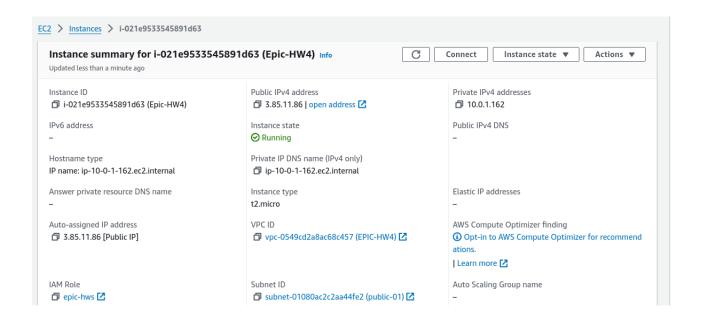
create route table and attach your subnets to it:



Expectation for Exercise 4:

• Create EC2 instance :





Expectation for Exercise 5:

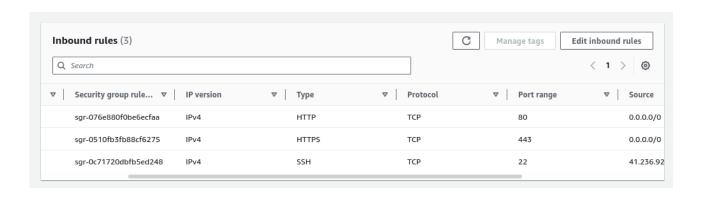
• Install nginx & Change the conf to be available on 80 and 443:

```
ubuntualp-19-0-1-162:-$ curl http://3.85.11.86:80
<!DOCTYPE html>
<head>
<tittle>Welcome to nginx!</title>
<styte>
html { color-scheme: light dark; }
body { width: 35em; margin: 0 auto;
font-family: Tahoma, Verdana, Arial, sans-serif; }
</styte>
(/nead>
<hody>
<hi>>welcome to nginx!</hi>
```

```
ountu@ip-10-0-1-162:~$ curl -I http://3.85.11.86:80
HTTP/1.1 200 OK
Server: nginx/1.24.0 (Ubuntu)
Date: Wed, 15 May 2024 13:29:04 GMT
Content-Type: text/html
Content-Length: 615
Last-Modified: Tue, 11 Apr 2023 01:45:34 GMT
Connection: keep-alive
ETag: "6434bbbe-267"
Accept-Ranges: bytes
 ubuntu@ip-10-0-1-162:~$ curl -I --insecure https://3.85.11.86:443
HTTP/1.1 200 OK
Server: nginx/1.24.0 (Ubuntu)
Date: Wed, 15 May 2024 13:29:27 GMT
Content-Type: text/html
Content-Length: 615
Last-Modified: Tue, 11 Apr 2023 01:45:34 GMT
Connection: keep-alive
ETag: "6434bbbe-267"
Accept-Ranges: bytes
```

Expectation for Exercise 6:

• Update your security group and open access on ports 80 and 443:



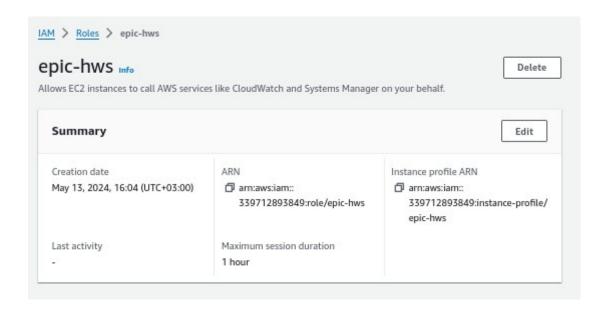
Expectation for Exercise 7:

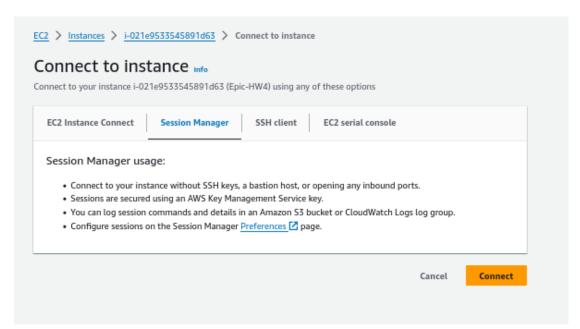
• Try to access EC2 instance public IP:



Expectation for Exercise 8:

• Create new Role for EC2 :







Expectation for Exercise 9:

Run one of the scripts you've created in hometask 2: <u>The script's link</u>

```
ssm-user@ip-10-0-1-162:/var/snap/amazon-ssm-agent/7983$ sudo ./myscript.sh
Select an operation:
1) Launch htop on instance
2) Launch tcpdump utility on instance
3) Show EC2 instance metadata
Enter choice:
```

option 1:

→ option 2:

```
ssm-user@ip-10-0-1-162:/var/snap/amazon-ssm-agent/7983$ sudo ./myscript.sh

Select an operation:
1) Launch htop on instance
2) Launch tcpdump utility on instance
3) Show EC2 instance metadata
Enter choice: 2
Launching tcpdump...
tcpdump: verbose output suppressed, use -v[v]... for full protocol decode
listening on enX0, link-type ENIOME (Ethernet), snapshot length 262144 bytes
18:00:16.930662 IP ip-10-0-1-162.42552 > 67.220.240.135.https: Flags [P.], seq 695958514:695958817, ack 926278664, win 3193, length 303
18:00:16.932271 IP 67.220.240.135.https > ip-10-0-1-162.42552: Flags [P.], ack 303, win 20508, length 0
18:00:17.033415 IP ip-10-0-1-162.47308 > 10.0.0.2.domain: 8117 | [Jau] PTR? 135.240.220.67.in-addr.arpa. (56)
18:00:17.035515 IP 10.0.0.2.domain > ip-10-0-1-162.47308: 8117 NXDomain 0/1/1 (127)
18:00:17.035977 IP ip-10-0-1-162.38650 > 10.0.0.2.domain: 42788+ [Jau] PTR? 162.1.0.10.in-addr.arpa. (52)
```

→ option 3:

Student Name: Lama Salah