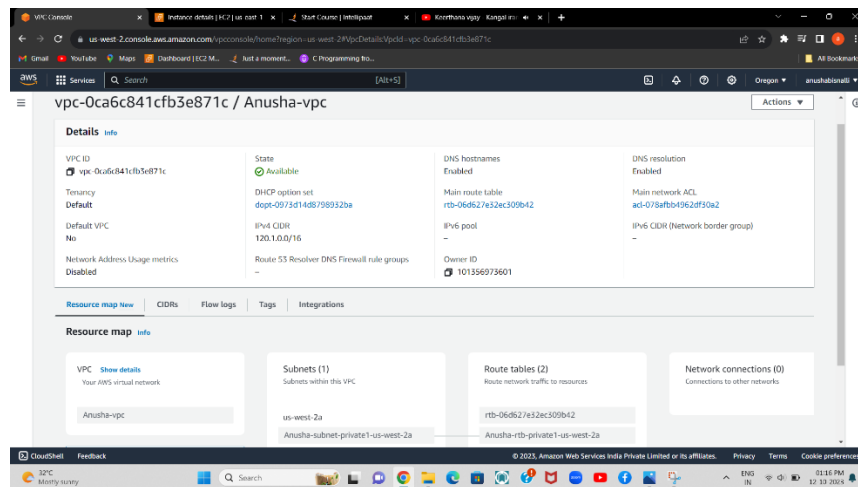
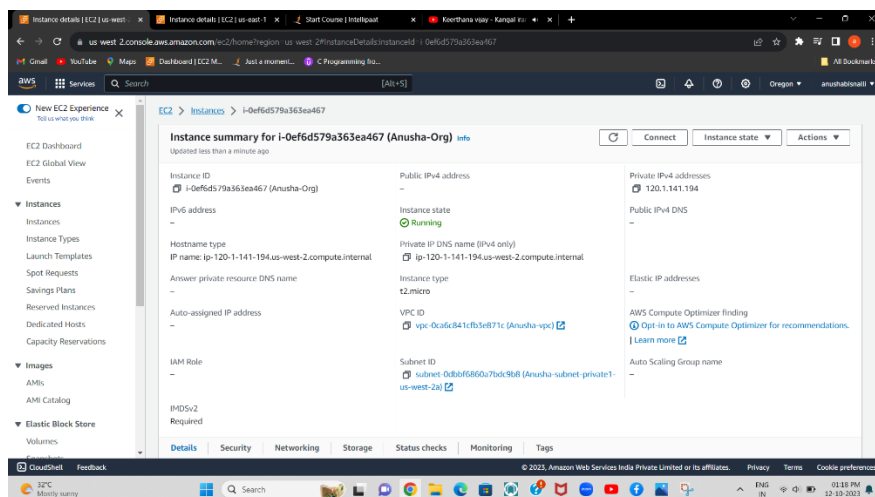


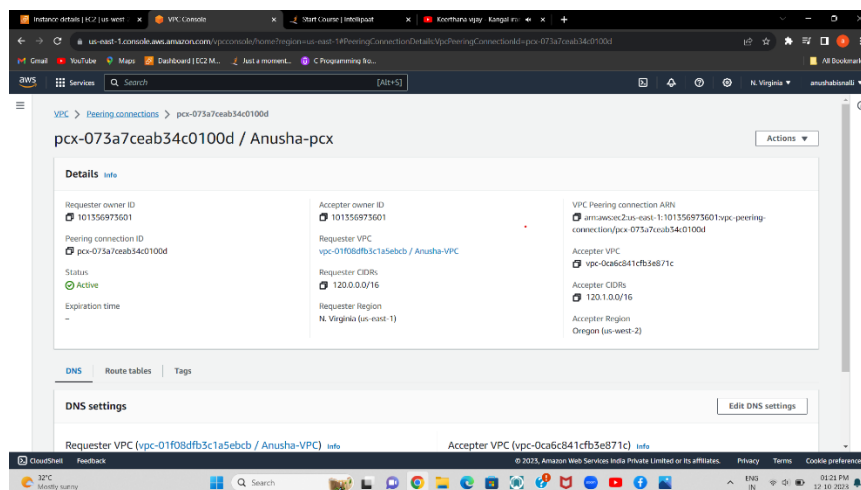
Assignment-2 Working for an organization, you are required to provide them a safe and secure environment for the deployment of their resources. They might require different types of connectivity. Implement the following to fulfil the requirements of the company.



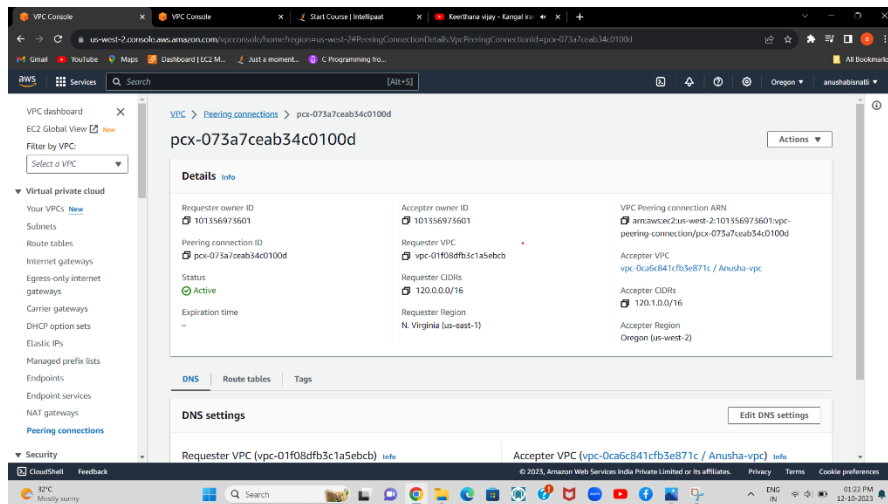
Step 1: Create VPC in Oregon region



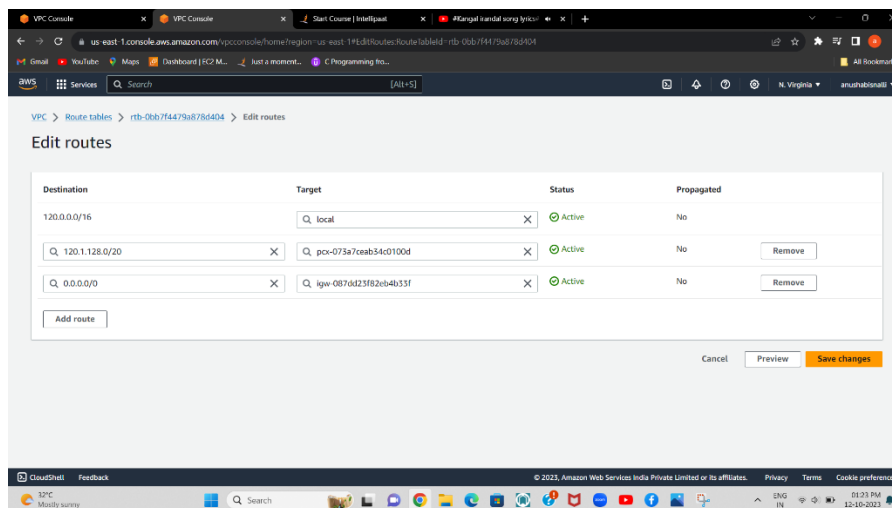
Step 2: Create EC2 instance in Oregon region



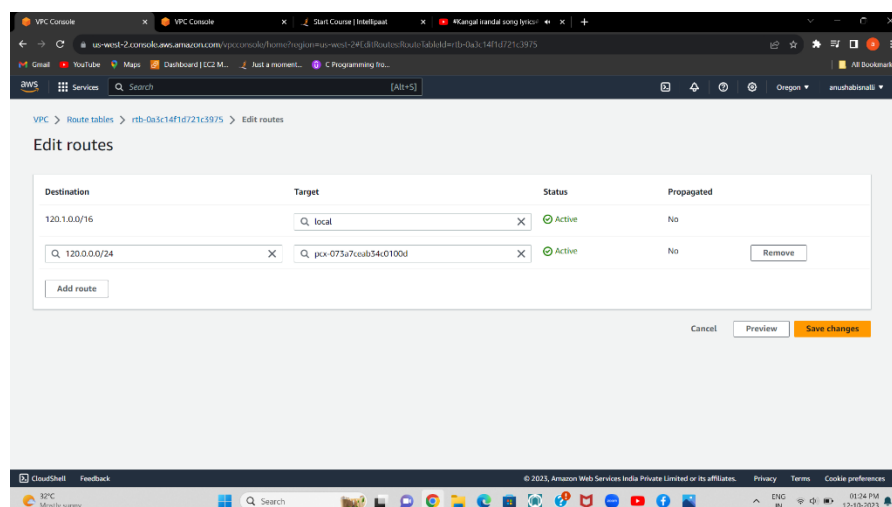
Step 3: Create VPC peering connection



Step 4: Accept the pending request in Oregon region.



Step 5: In N.Vir reg edit routes in destination add Oregon subnet private CIDR & target peering connection



Step 6: In Oregon reg edit routes in destination add N.Vir subnet private CIDR & target peering connection

The screenshot shows a terminal window within the AWS Management Console. The terminal output shows a successful ping to 120.1.141.194. The output is as follows:

```
7 packets transmitted, 0 received, 100% packet loss, time 6234ms

(ec2-user@ip-120-0-0-181 ~)$ ping 120.1.141.194
PING 120.1.141.194 (120.1.141.194) 56(84) bytes of data.
64 bytes from 120.1.141.194: icmp_seq=96 ttl=127 time=61.2 ms
64 bytes from 120.1.141.194: icmp_seq=97 ttl=127 time=61.3 ms
64 bytes from 120.1.141.194: icmp_seq=98 ttl=127 time=61.2 ms
64 bytes from 120.1.141.194: icmp_seq=99 ttl=127 time=61.3 ms
^C
--- 120.1.141.194 ping statistics ---
99 packets transmitted, 4 received, 95.9596% packet loss, time 101801ms
rtt min/avg/max/mdev = 61.231/61.250/61.272/0.017 ms
(ec2-user@ip-120-0-0-181 ~)$ ping 120.1.141.194
PING 120.1.141.194 (120.1.141.194) 56(84) bytes of data.
64 bytes from 120.1.141.194: icmp_seq=1 ttl=127 time=63.2 ms
64 bytes from 120.1.141.194: icmp_seq=2 ttl=127 time=63.2 ms
64 bytes from 120.1.141.194: icmp_seq=3 ttl=127 time=63.1 ms
64 bytes from 120.1.141.194: icmp_seq=4 ttl=127 time=63.2 ms
64 bytes from 120.1.141.194: icmp_seq=5 ttl=127 time=63.2 ms
64 bytes from 120.1.141.194: icmp_seq=6 ttl=127 time=63.2 ms
64 bytes from 120.1.141.194: icmp_seq=7 ttl=127 time=63.2 ms
^C
--- 120.1.141.194 ping statistics ---
7 packets transmitted, 7 received, 0% packet loss, time 6009ms
rtt min/avg/max/mdev = 63.141/63.181/63.210/0.021 ms
(ec2-user@ip-120-0-0-181 ~)$
```

Below the terminal output, the instance details are shown:

i-0f05d283ee0f52677 (Anusha-Pub)
PublicIPs: 54.157.61.19 PrivateIPs: 120.0.0.181

The bottom of the screenshot shows the AWS Management Console interface with the CloudShell tab selected. The status bar at the bottom indicates the temperature is 25°C and the weather is partly cloudy. The date and time are 11-10-2023, 07:10 PM.

Step 7: Connection is created & we can access to internet