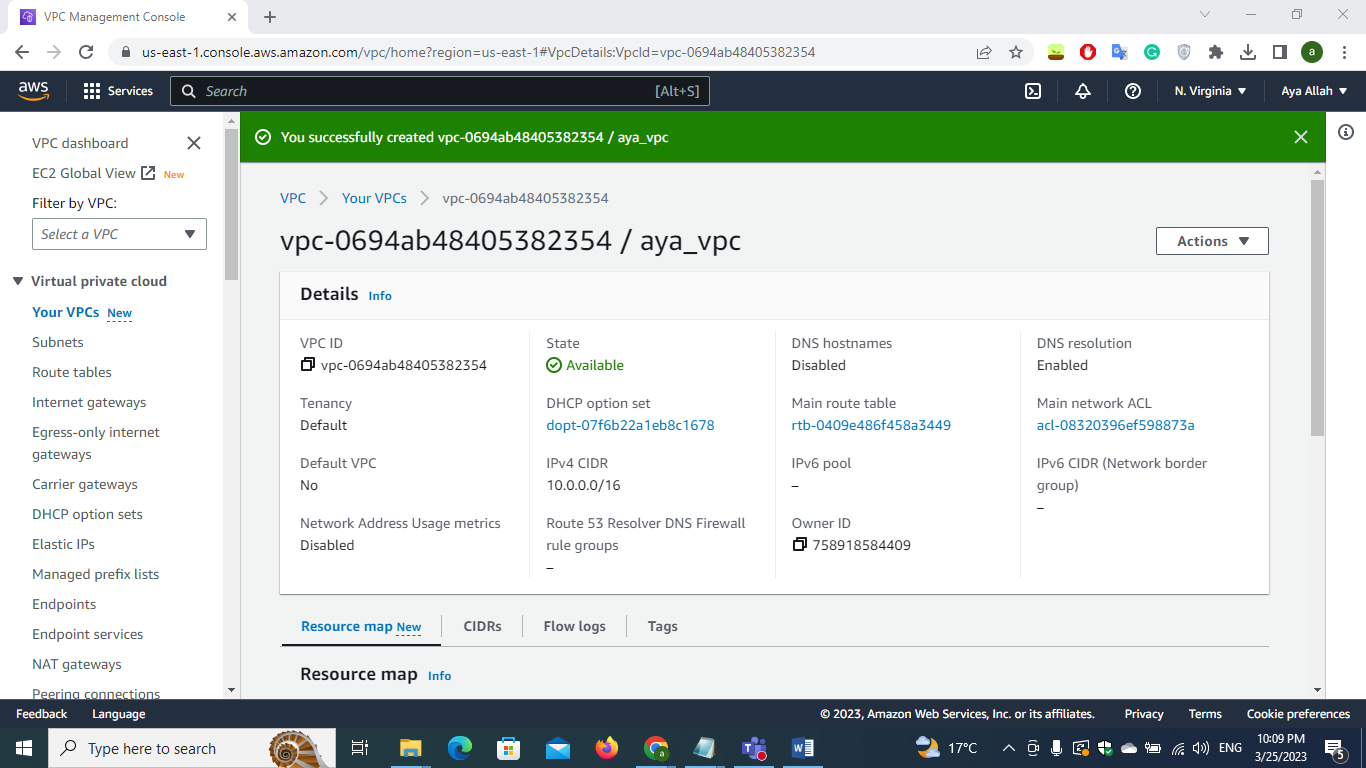
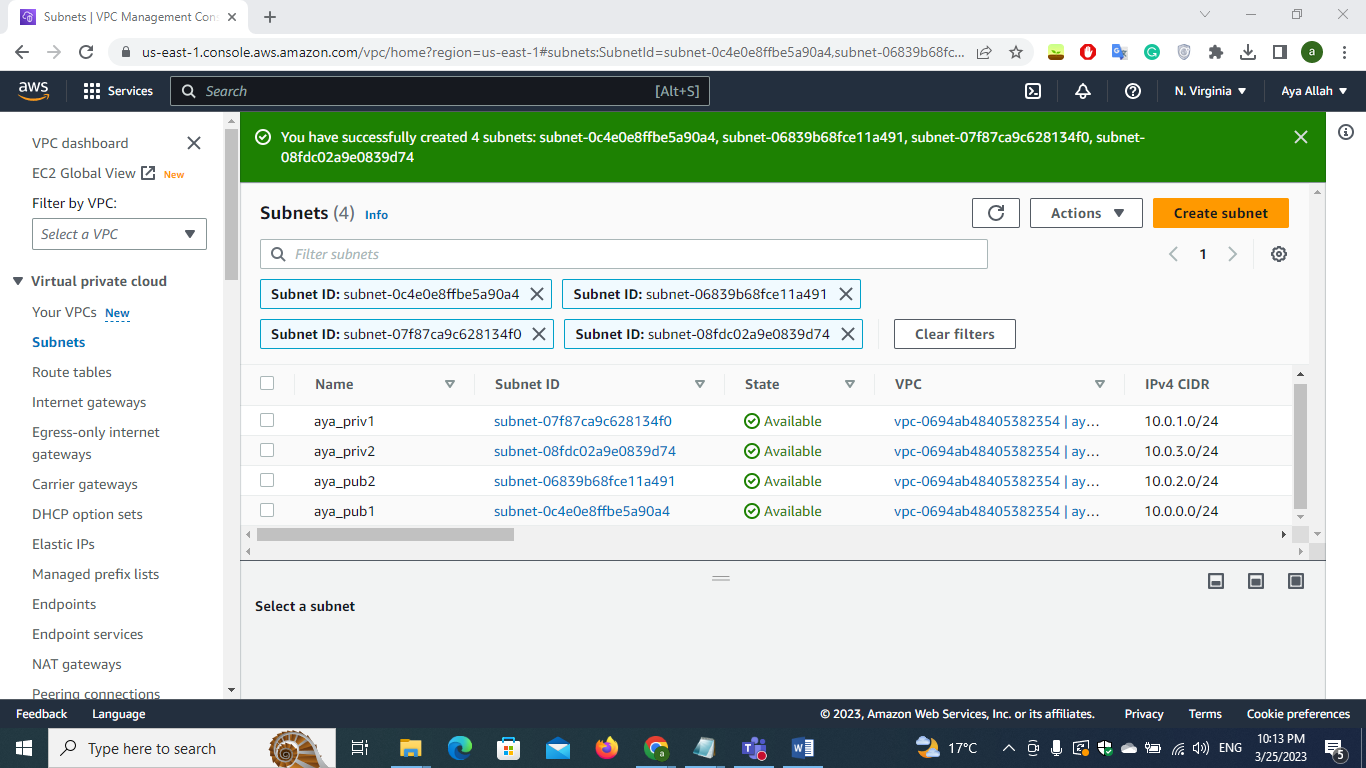
**Name :aya allah ali abbas track: iti alex / system admin**

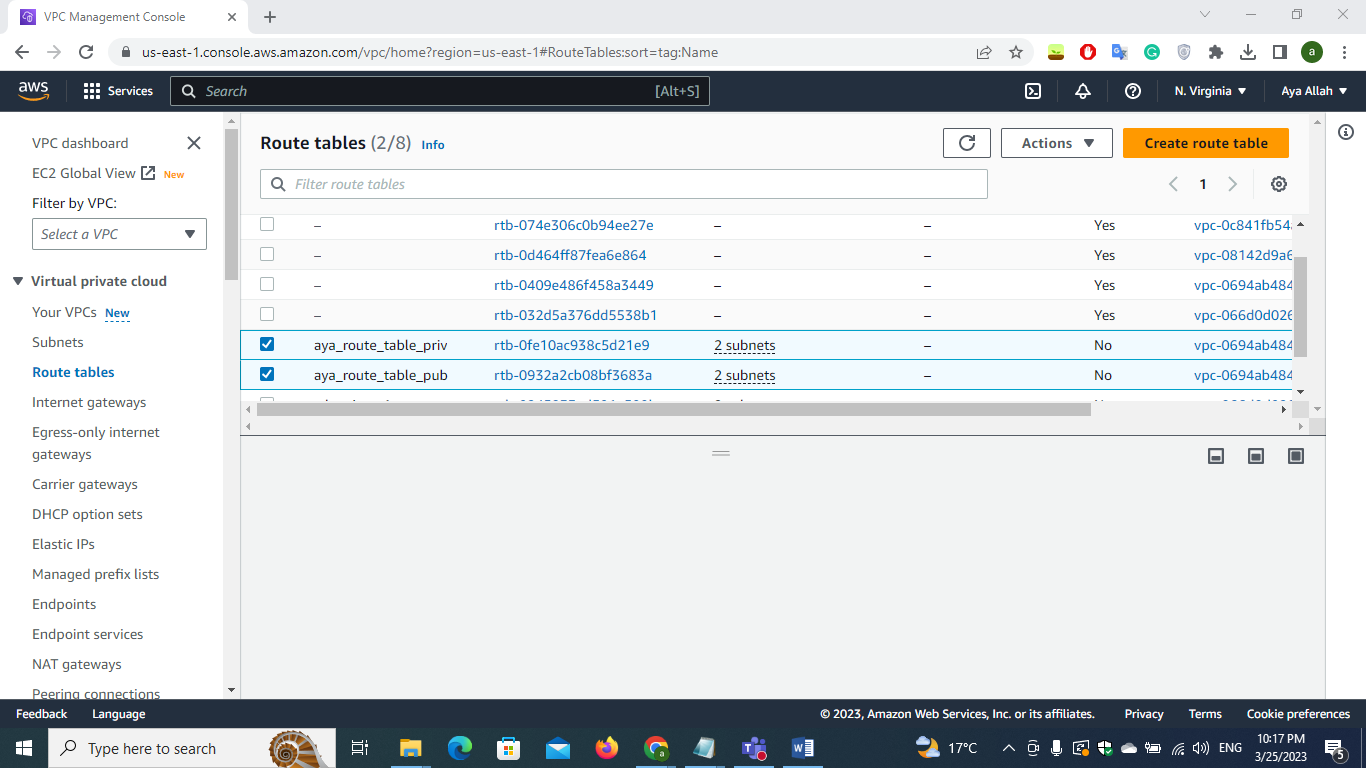
1. **Create vpc**

****

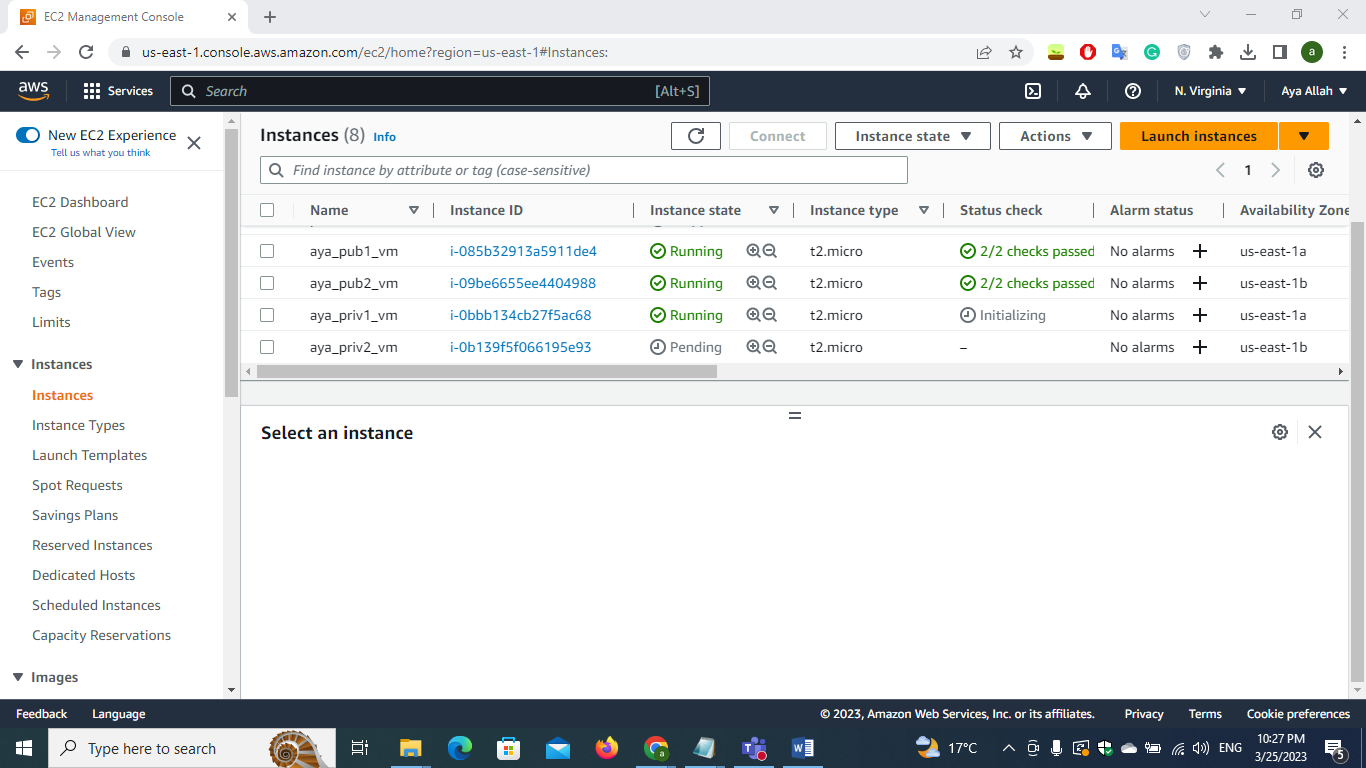
1. **Create subnets**

****

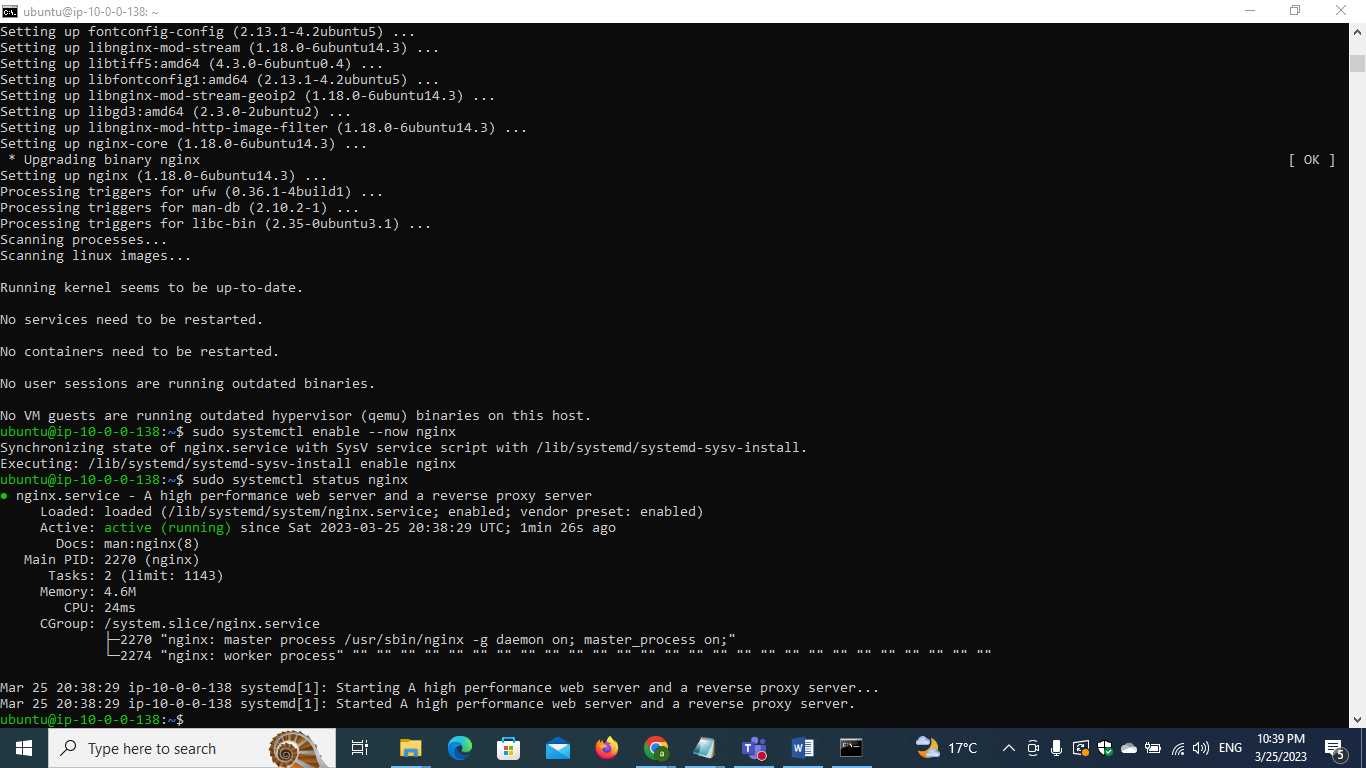
1. **Create route tables**

****

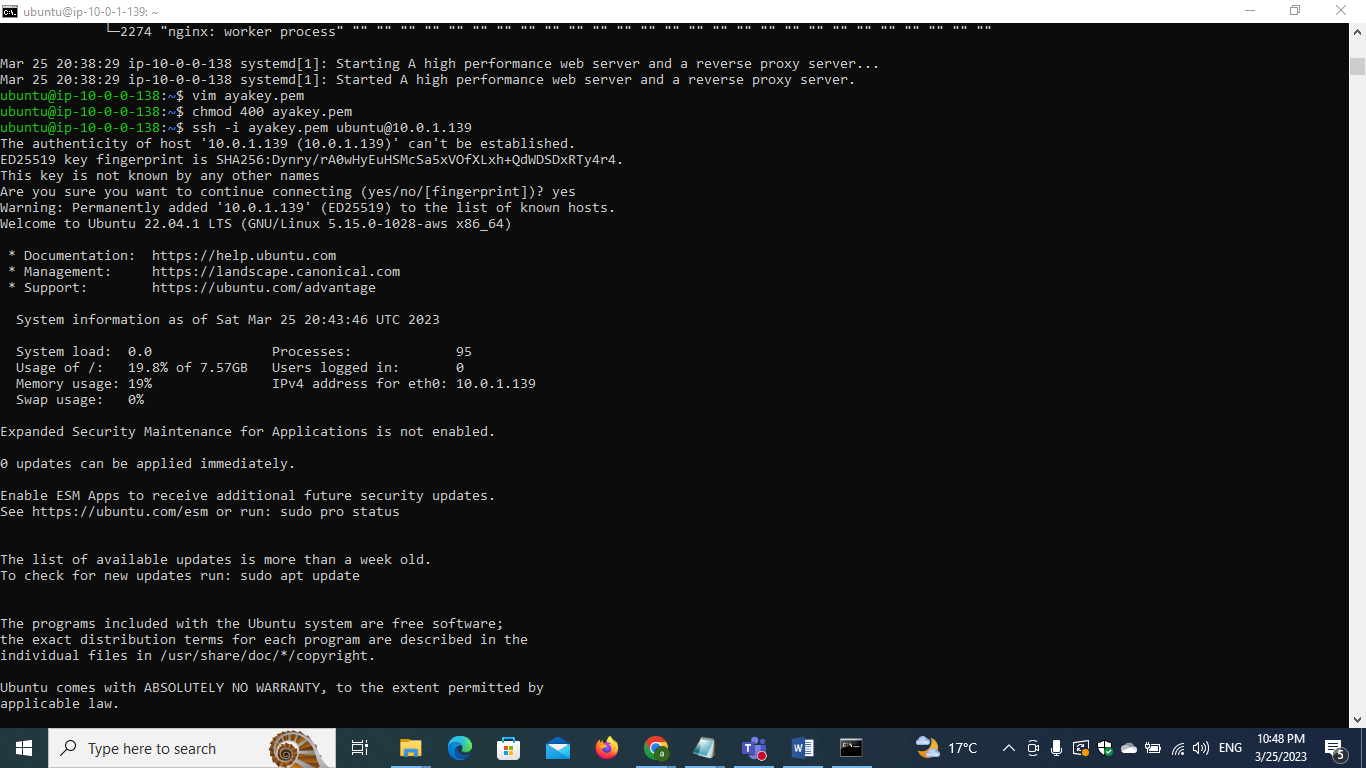
1. **Create instances**

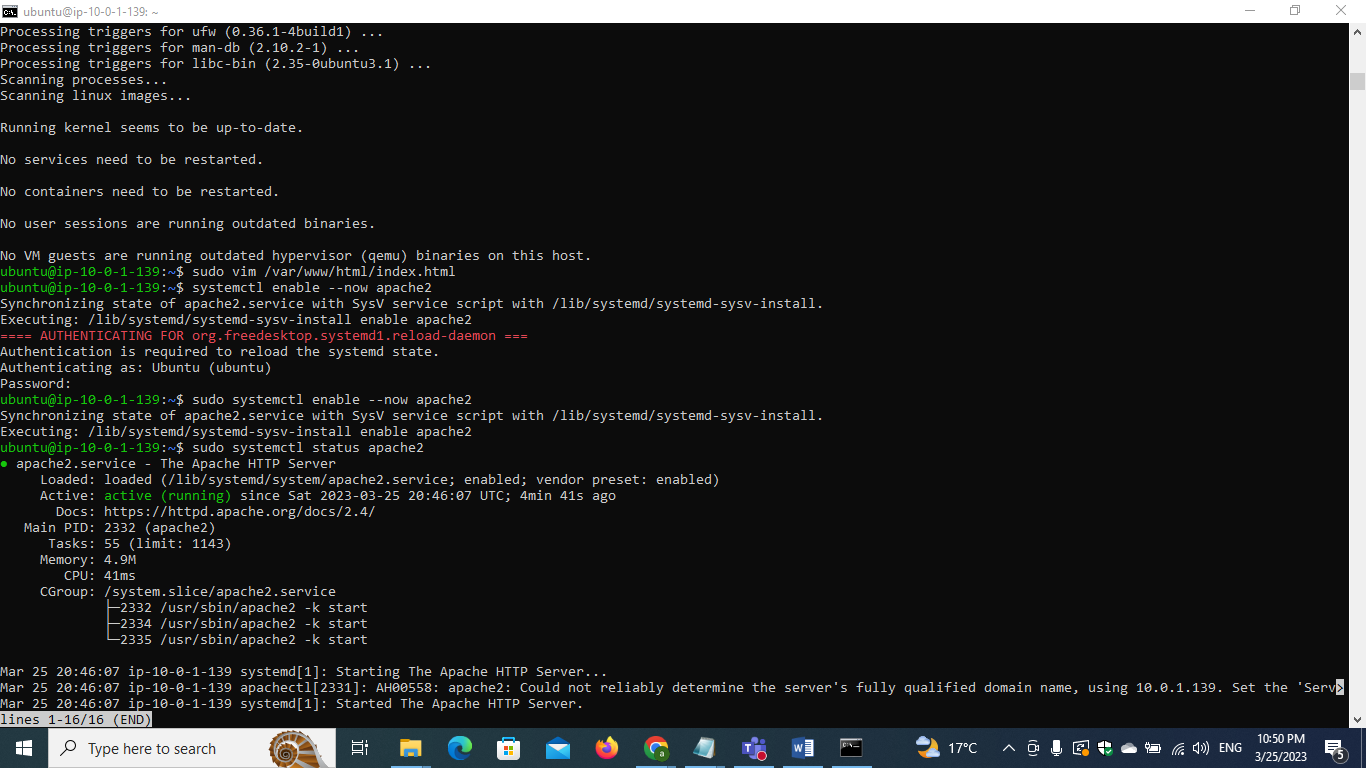
****

1. **Download nginx on the instance of first public subnet**

****

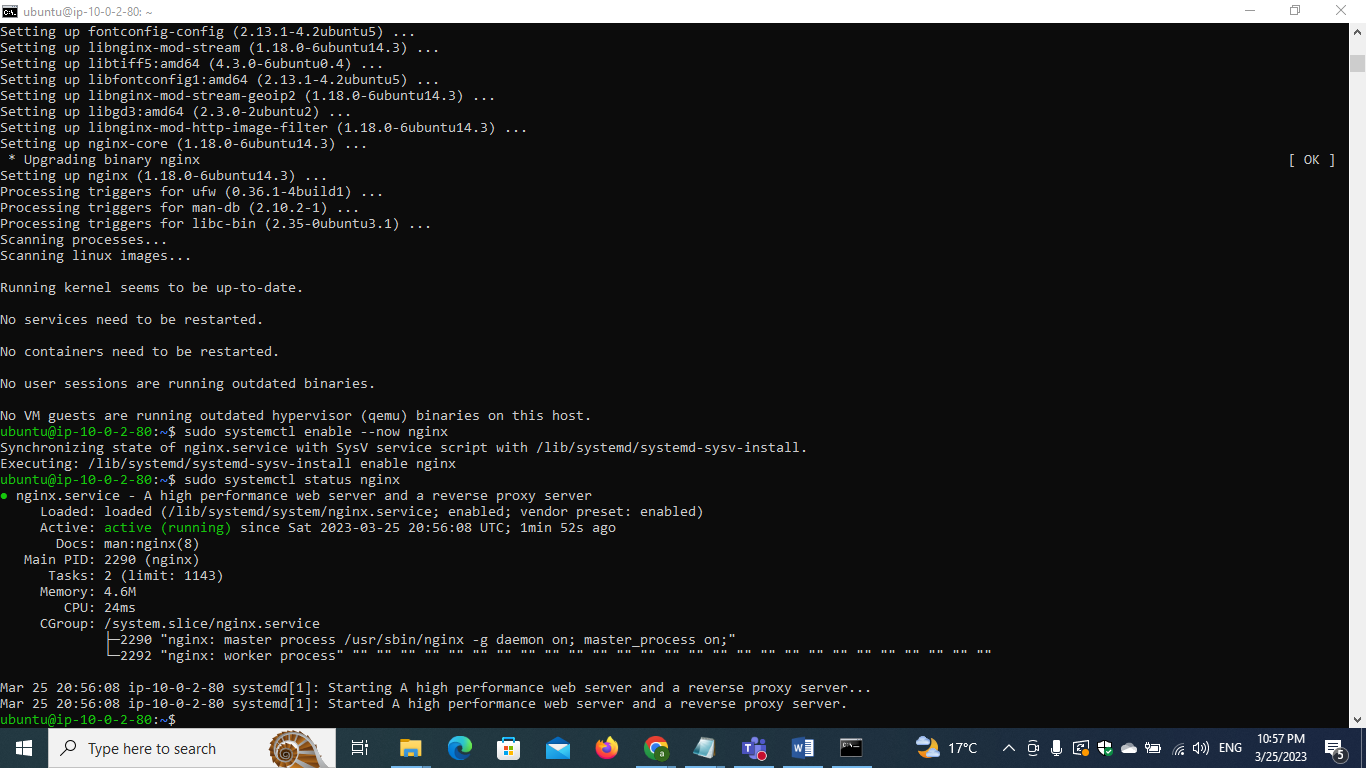
**Then accessing the private machine to download apache (the public here is consider jump\_host)**

****

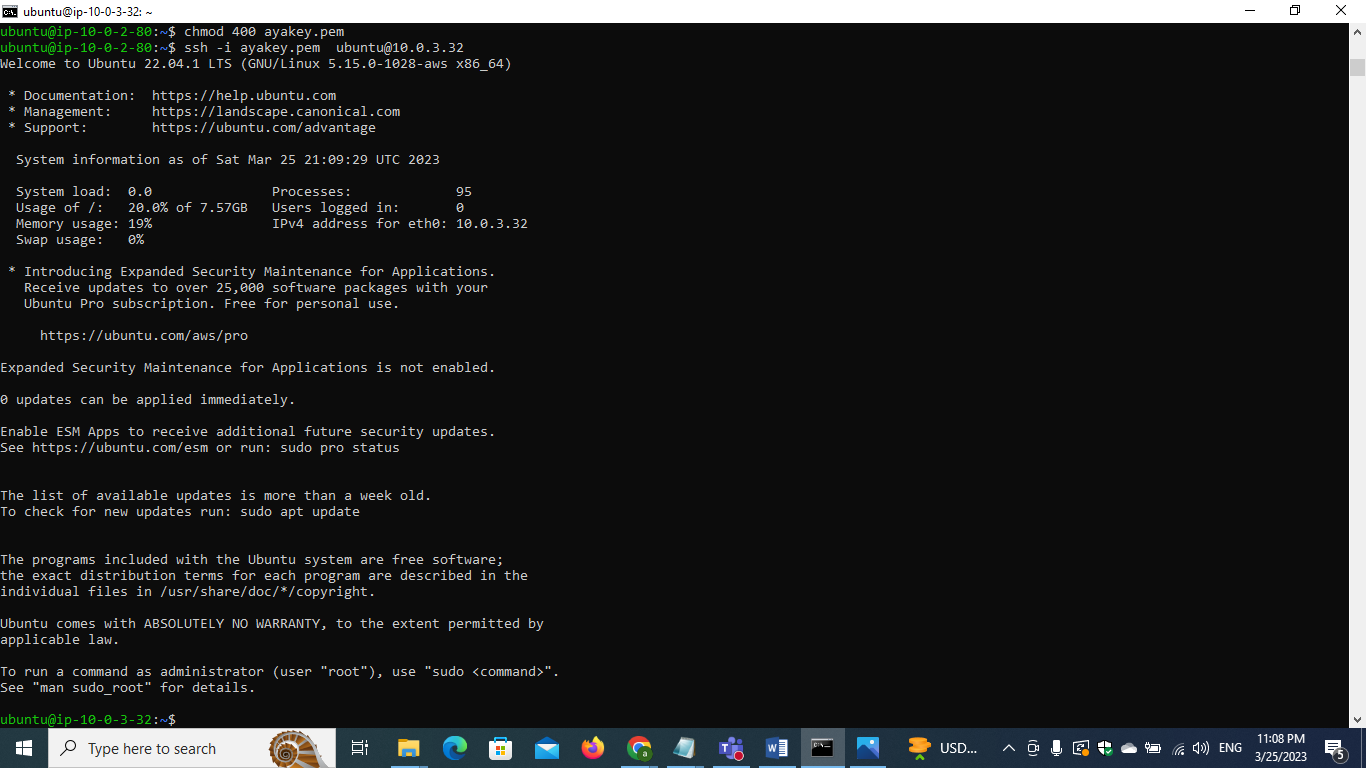
****

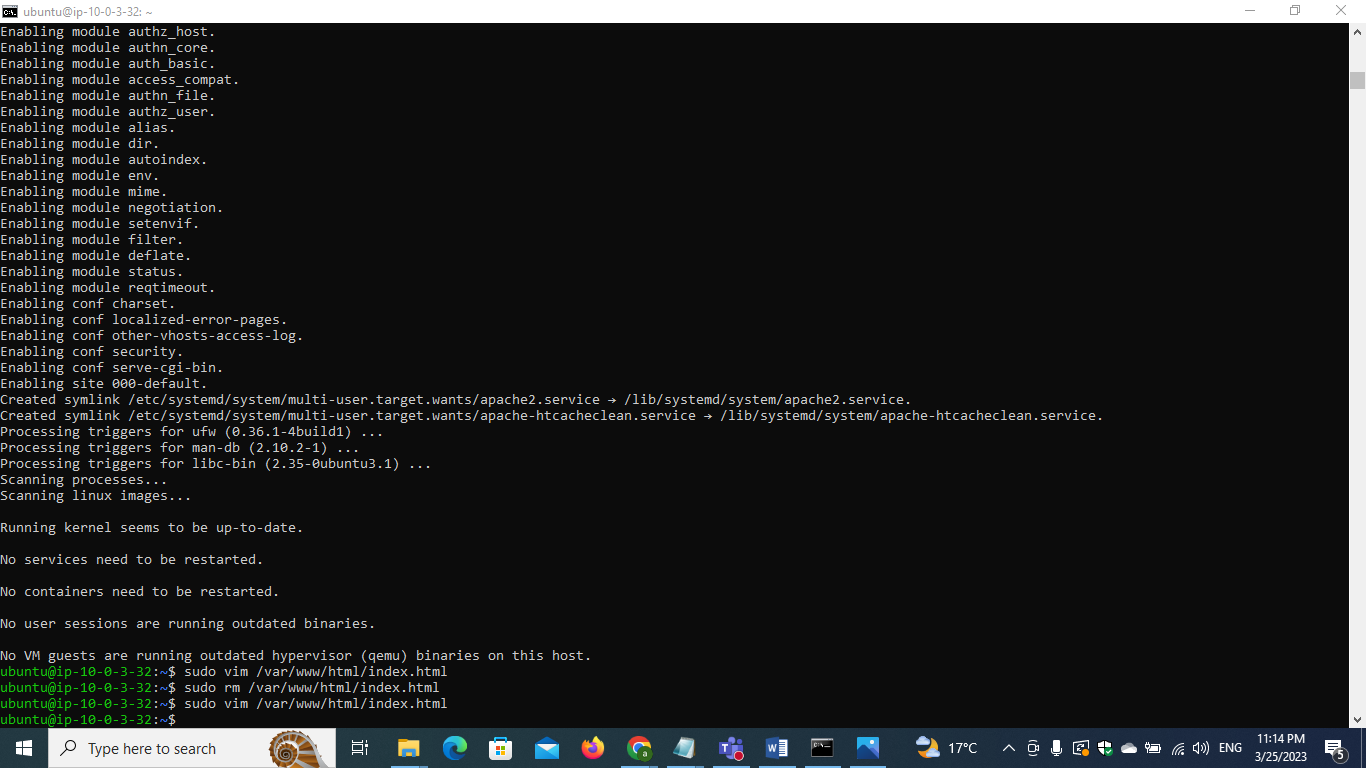
**Doing the same steps in the other avability zone**

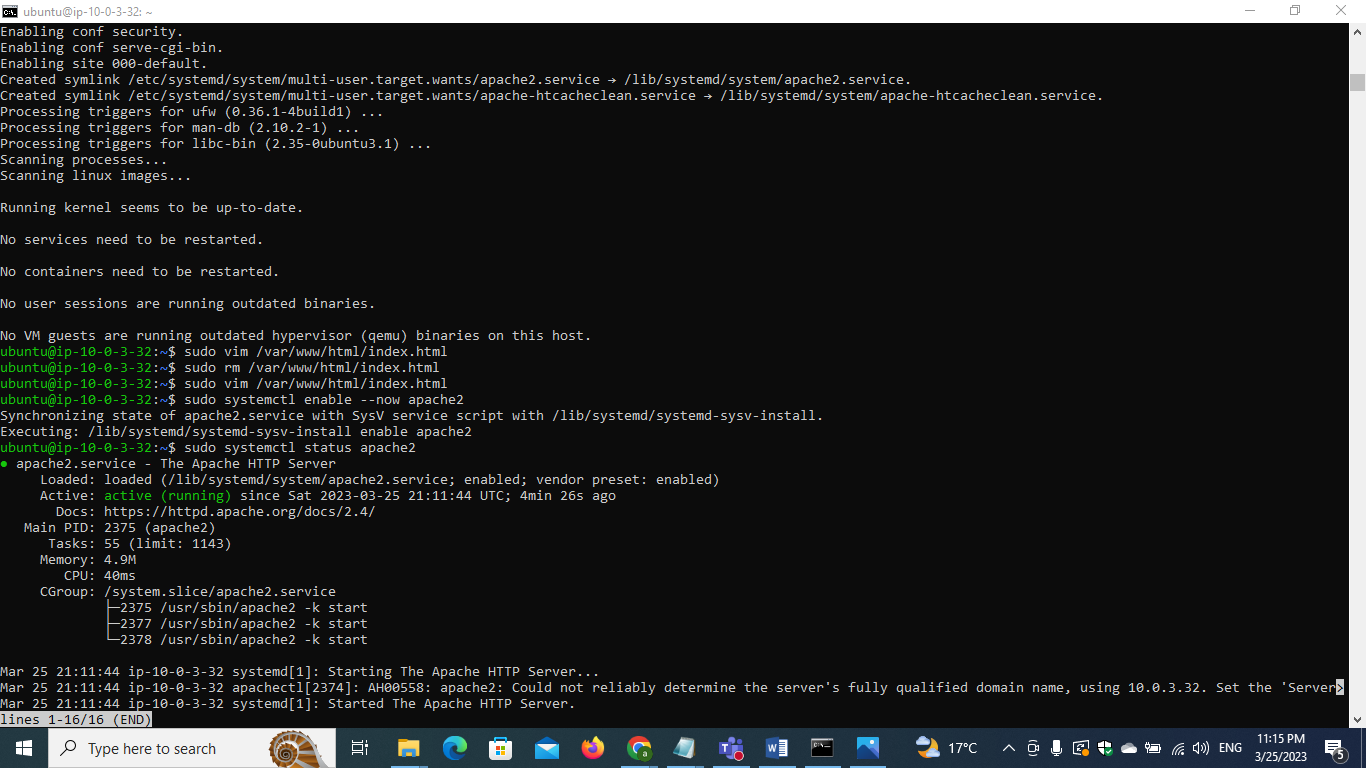
**Install and enabling nginx on the instance in the public subnet**

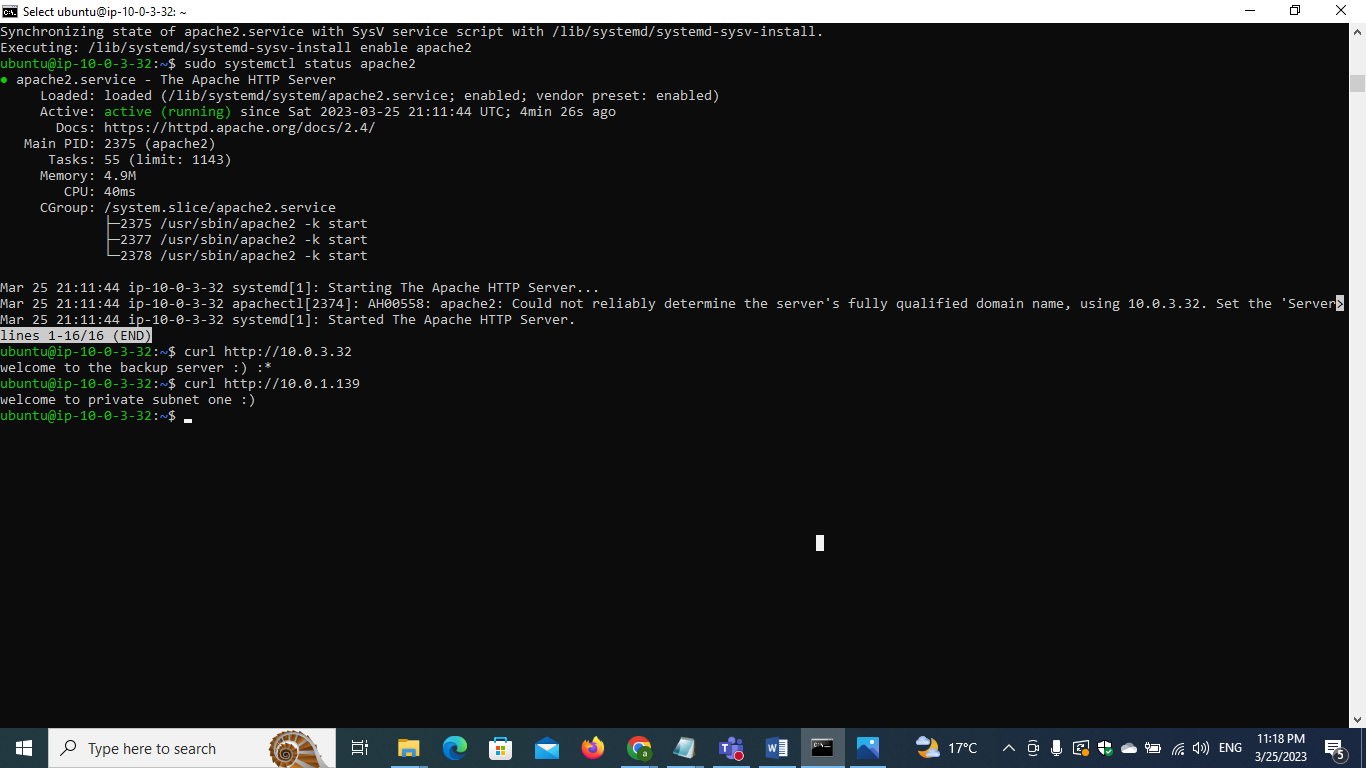
****

**Accessing private vm and install apache**

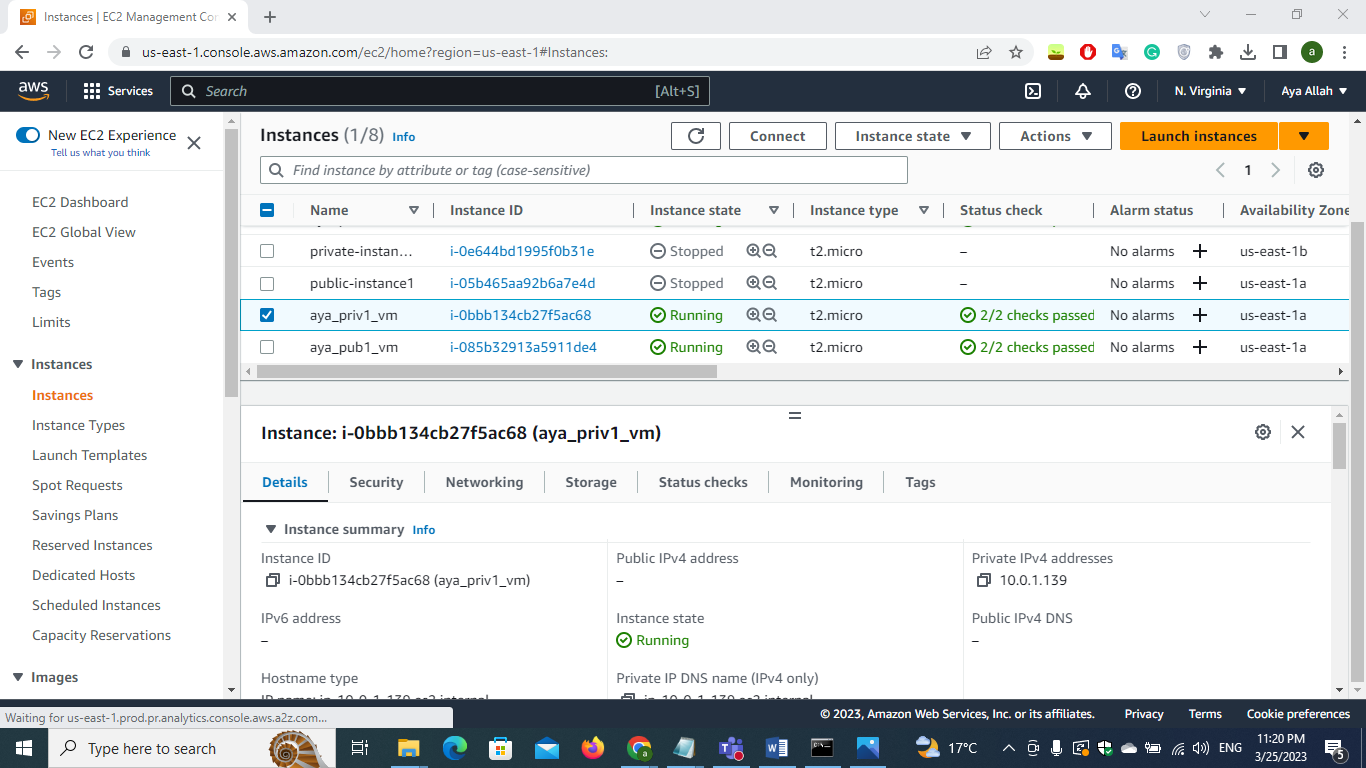
****

****

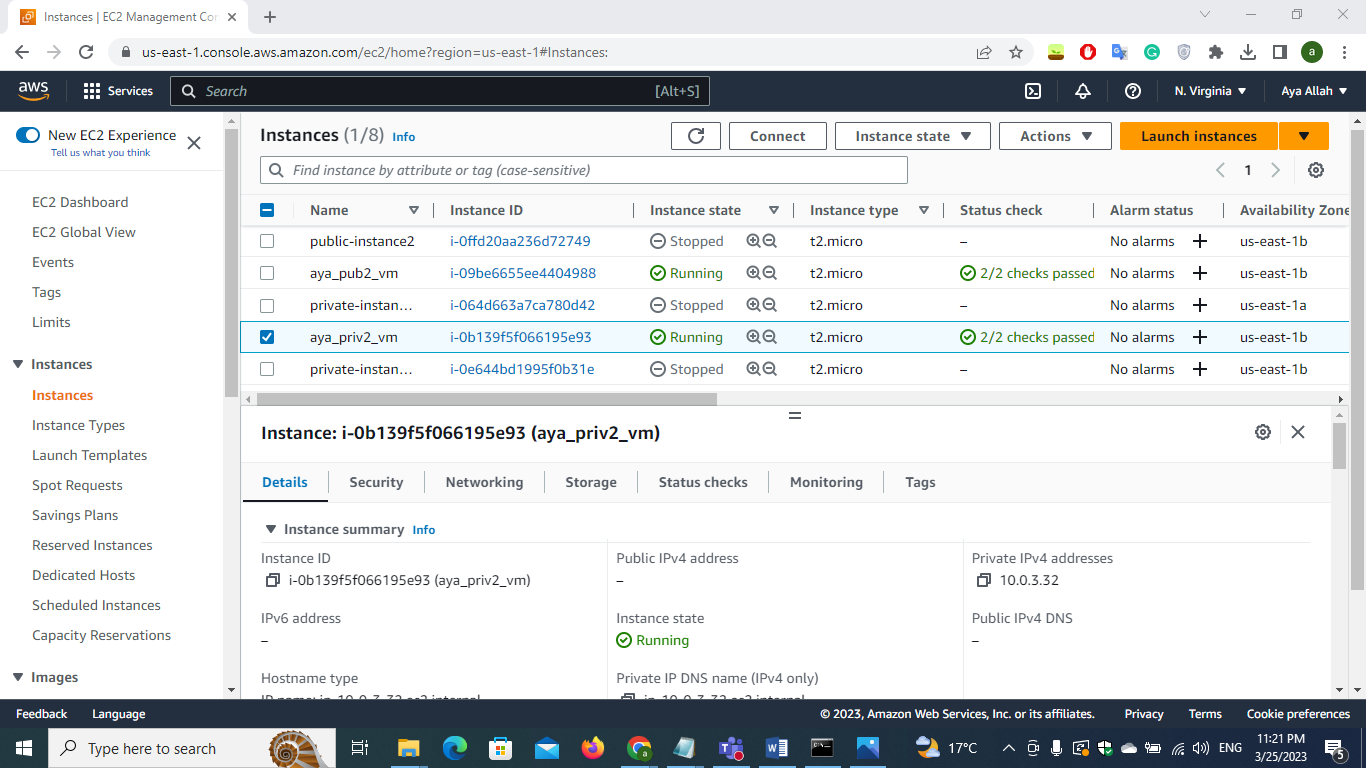
****

****

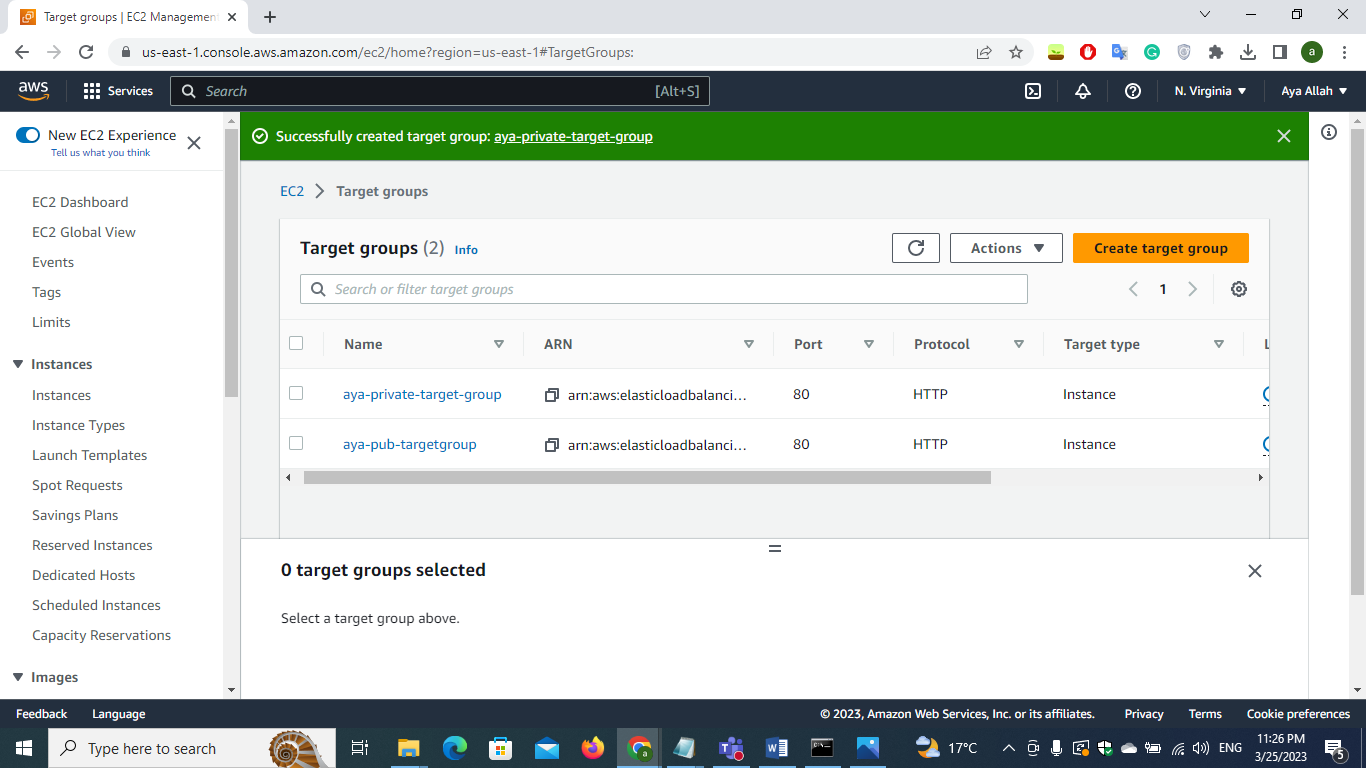
* **The private instances ip is within the range of the private subnets**
  + - **Ip of the instance of first subnet**

****

* + - **Ip of the instance of first subnet**

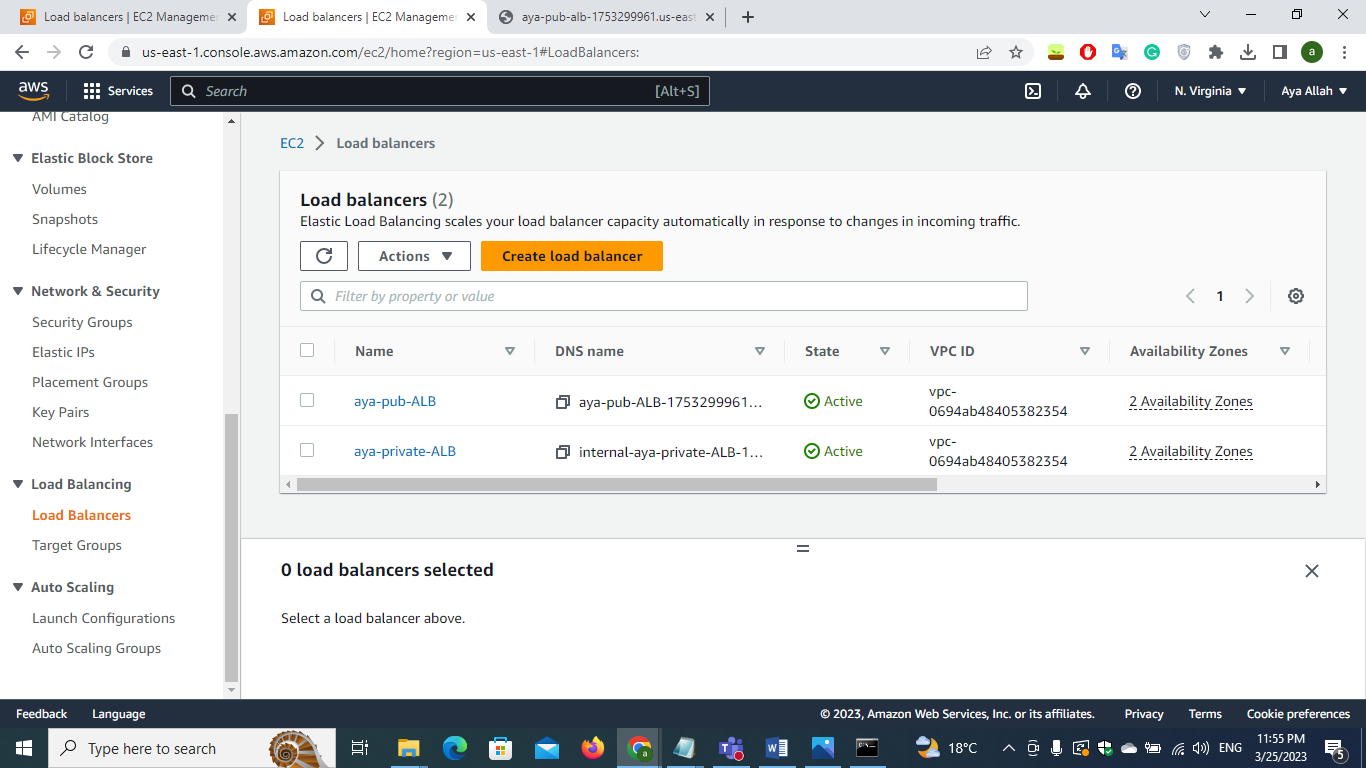
****

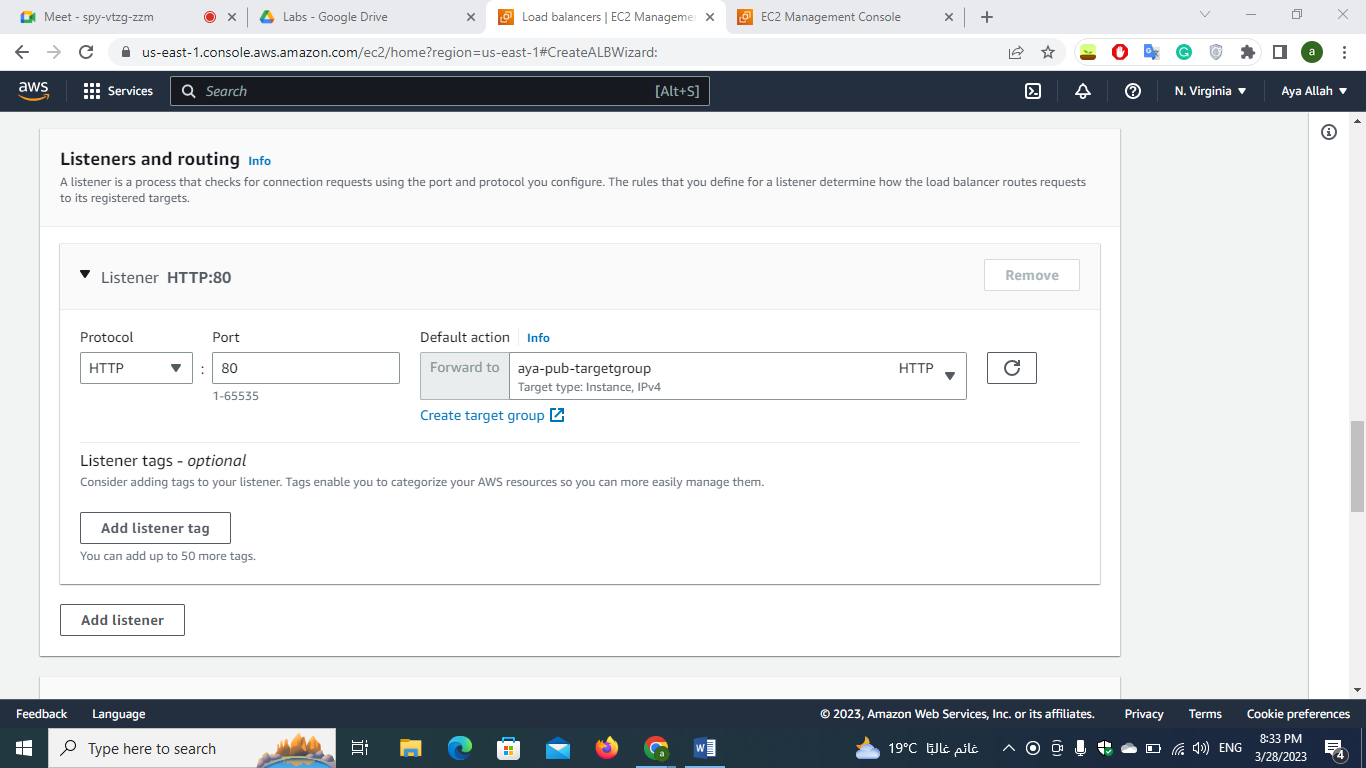
**Create target groups**

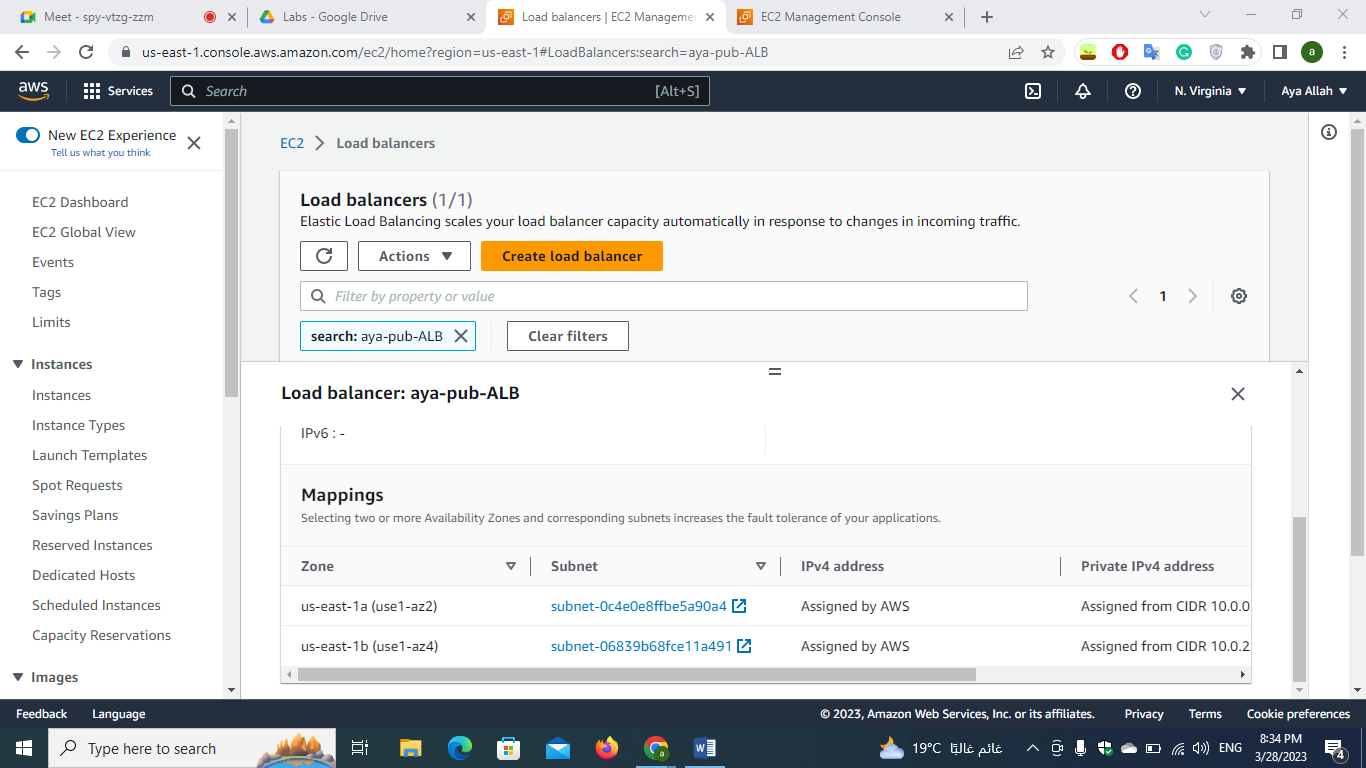
****

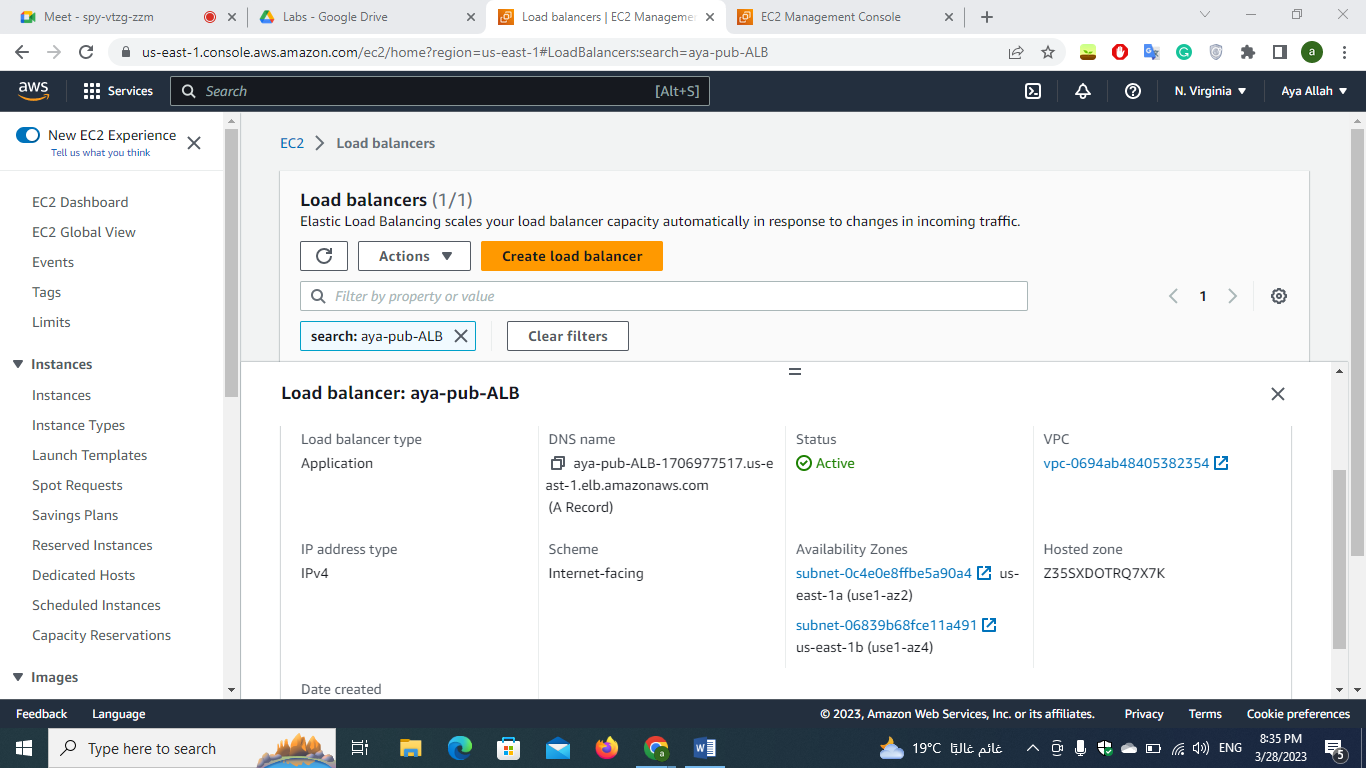
**Create load balancer**

**public ALB**

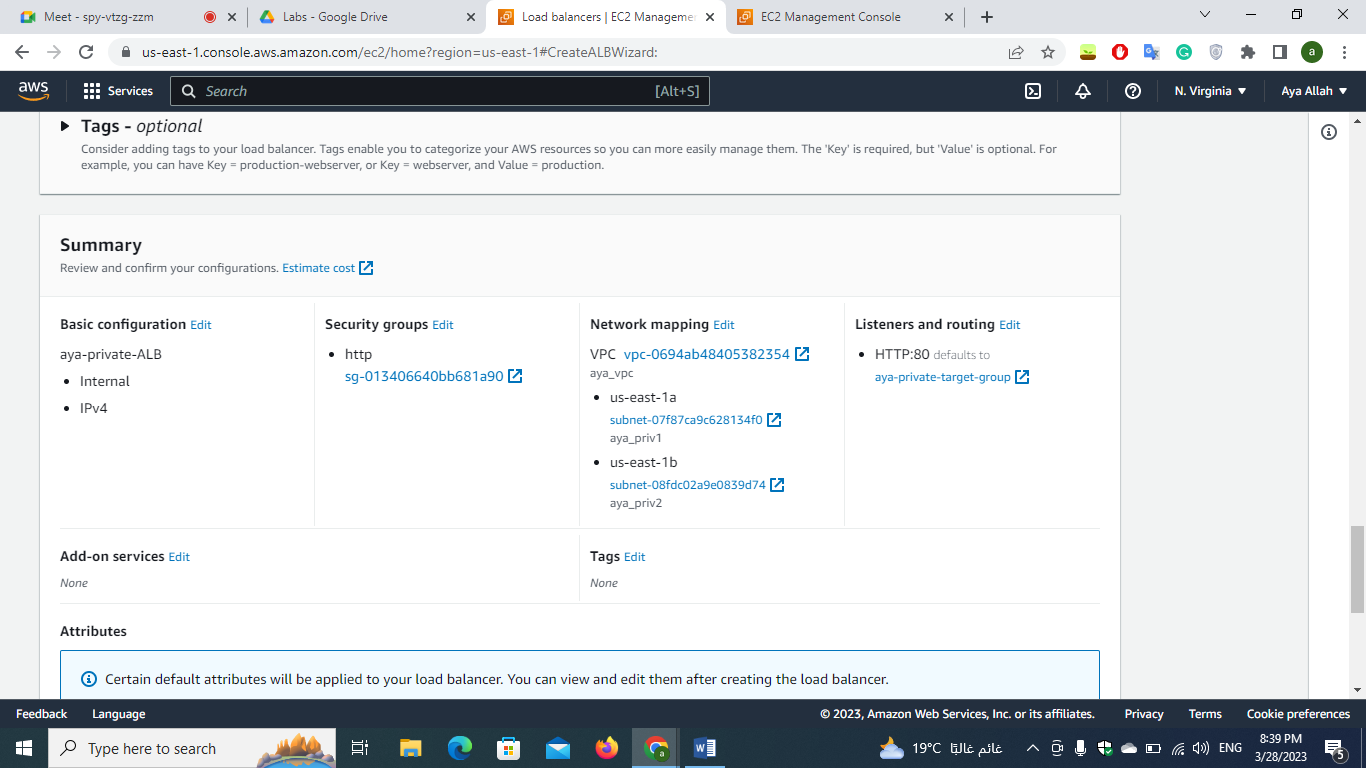
****



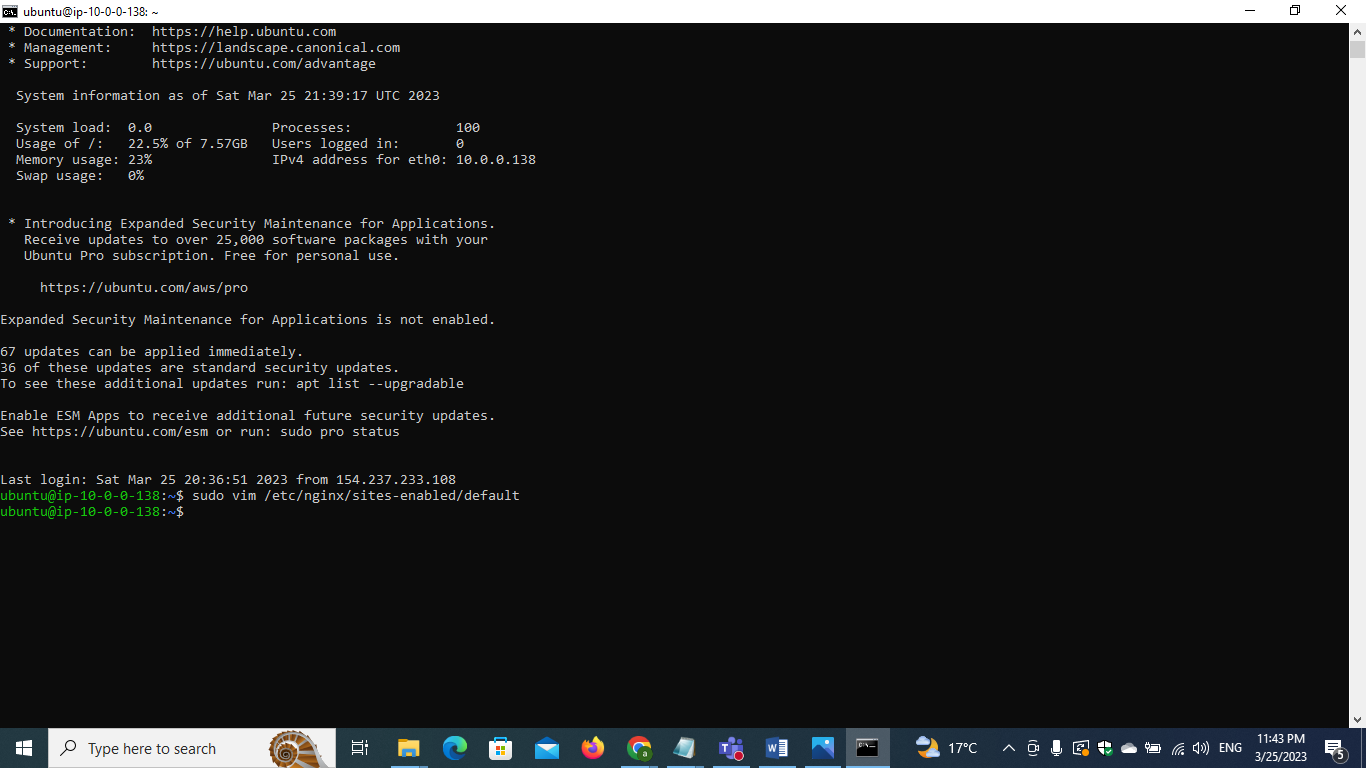


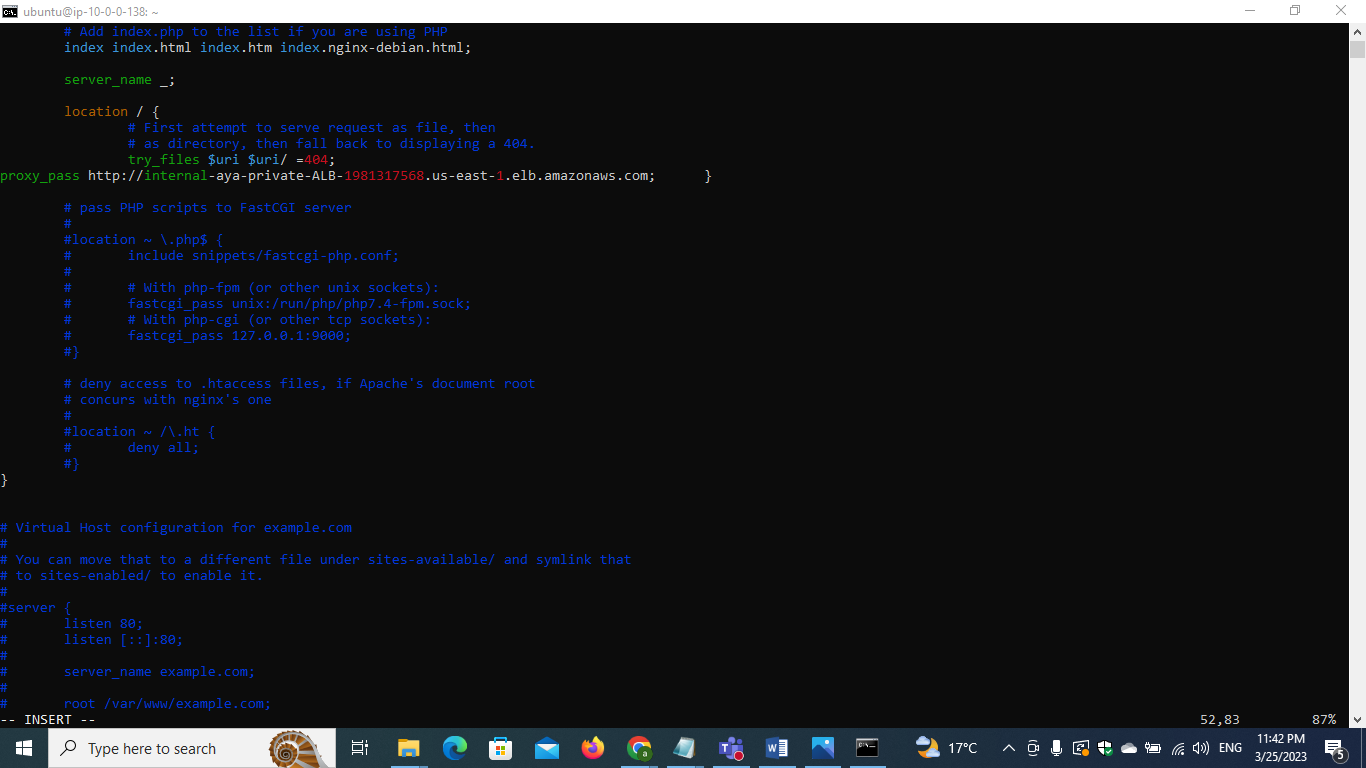


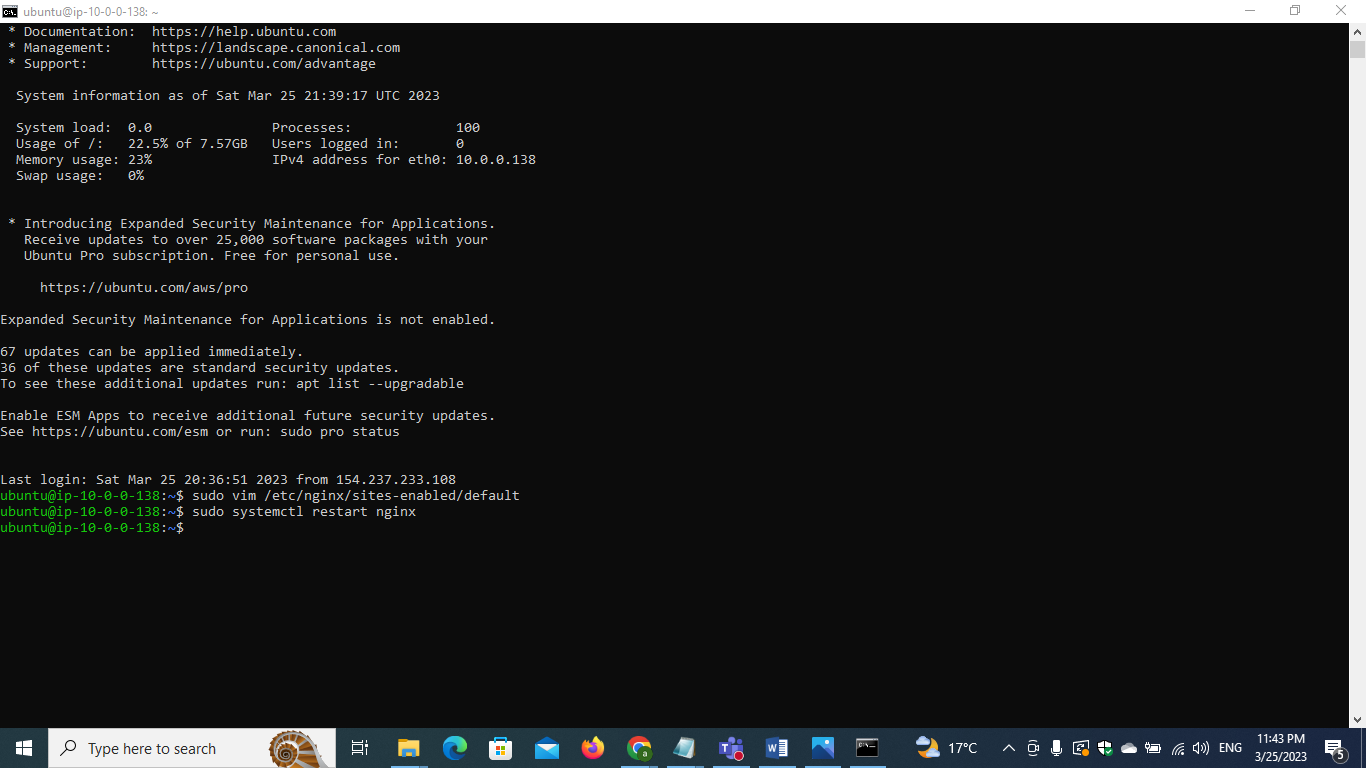
**PRIVATE ALB**



**Next configuring nginx on the pub1 so that any request come to it the nginx will resent to private loadbalancer**

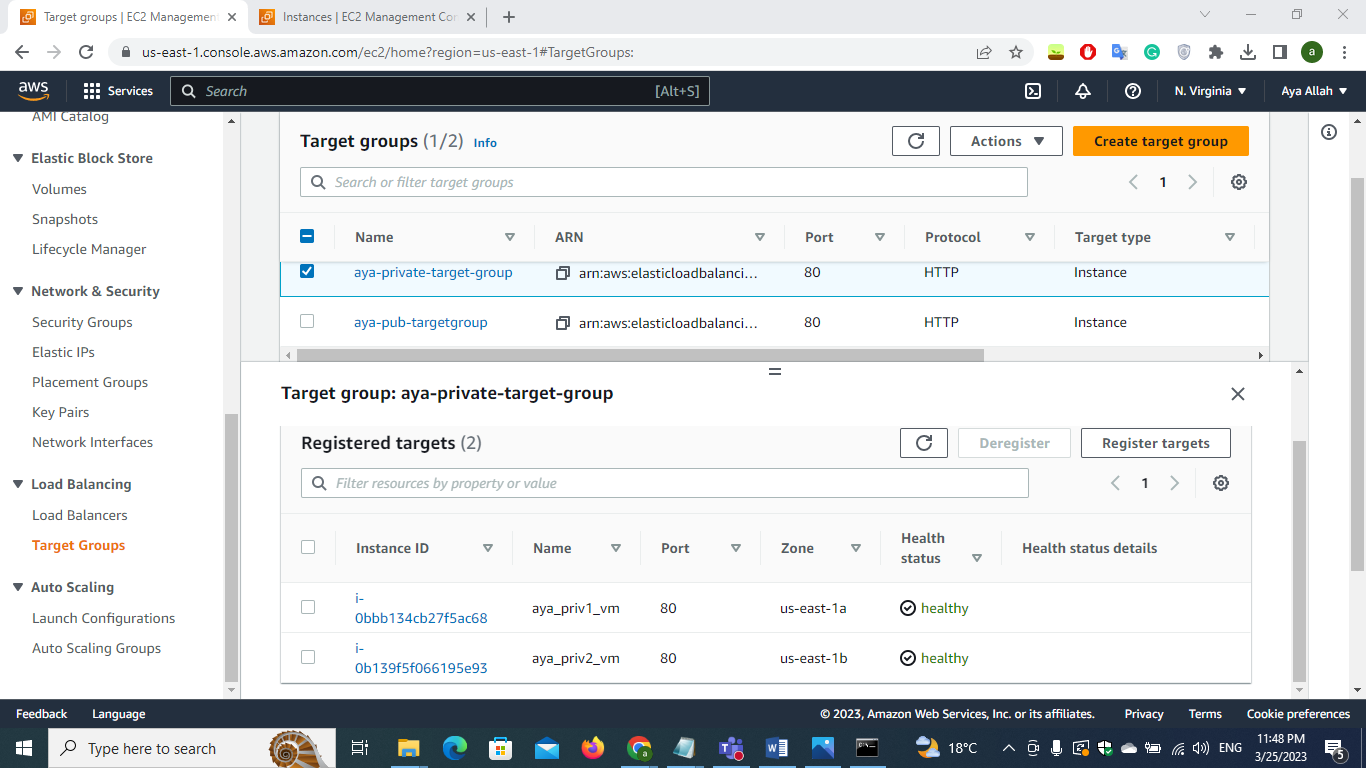
****

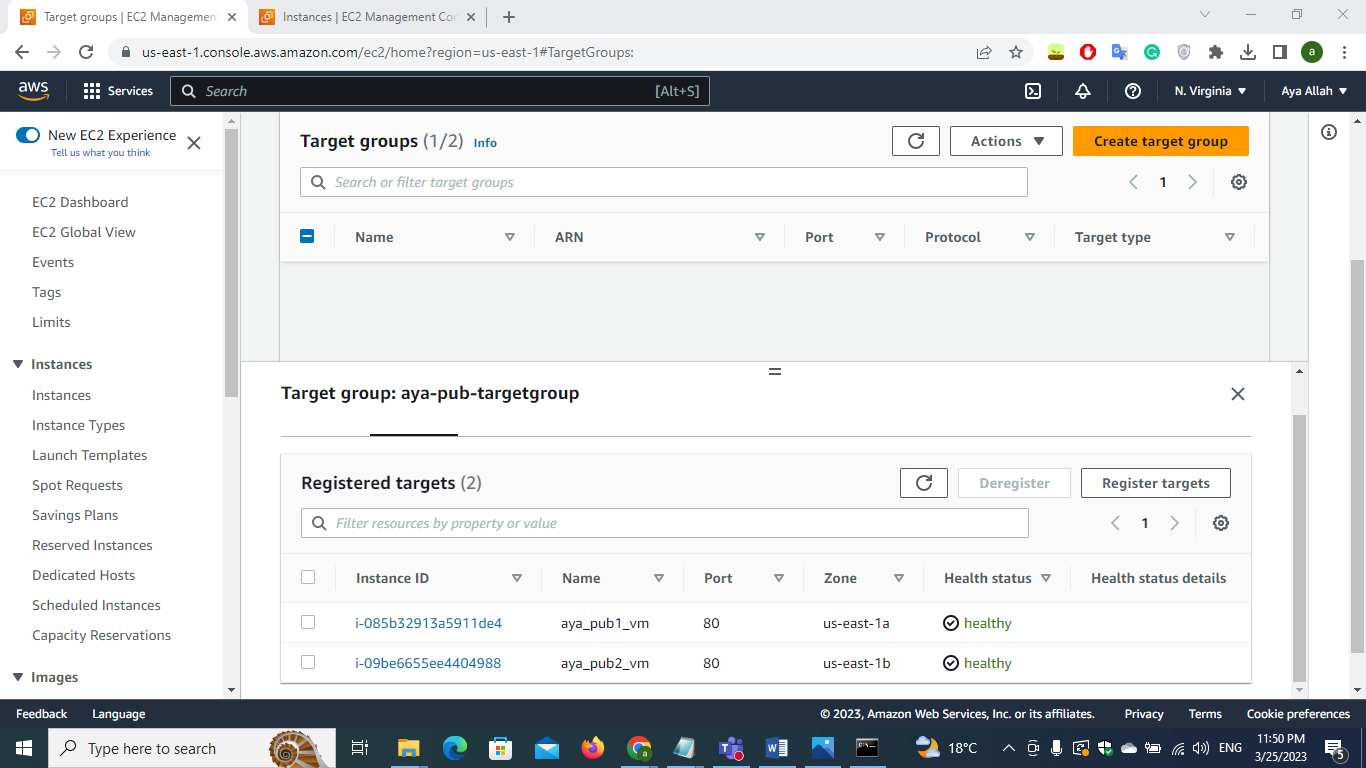
****

****

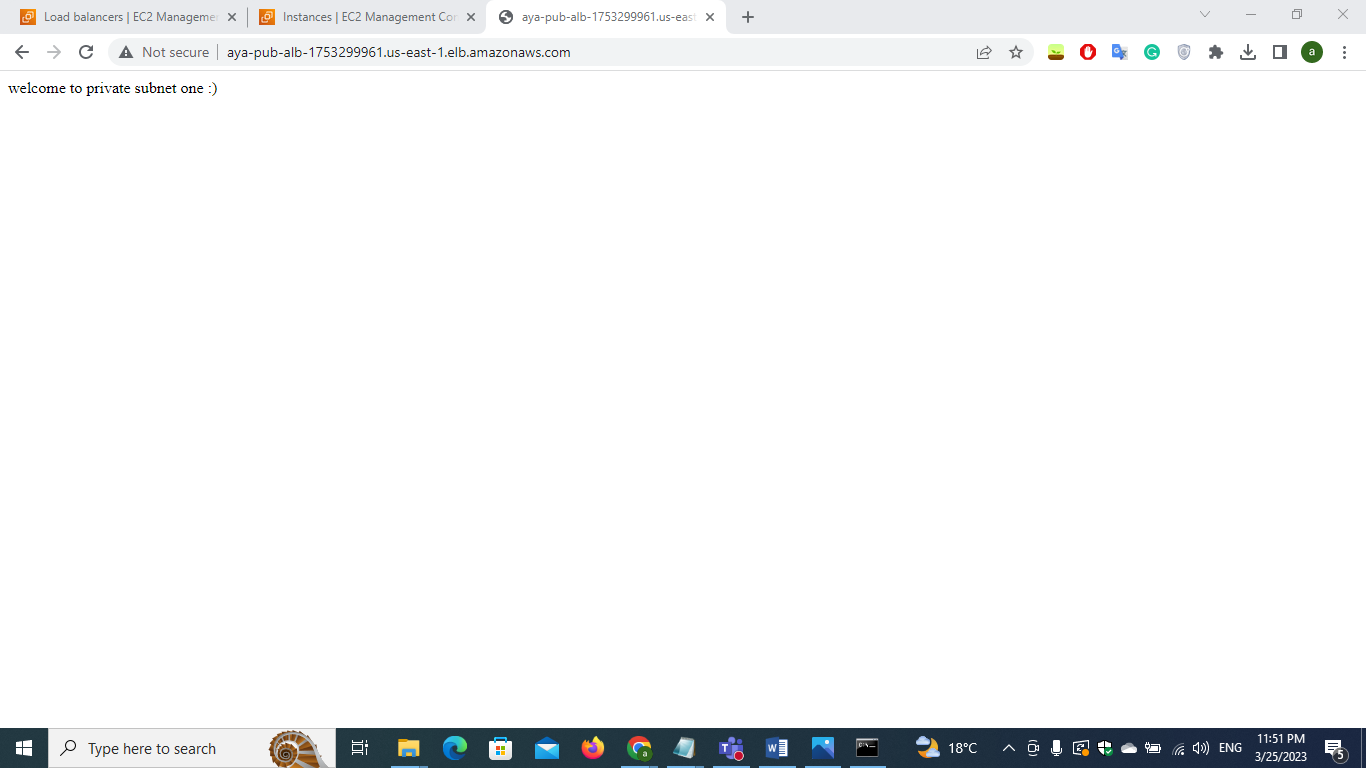
**Doing the same steps on public 2**

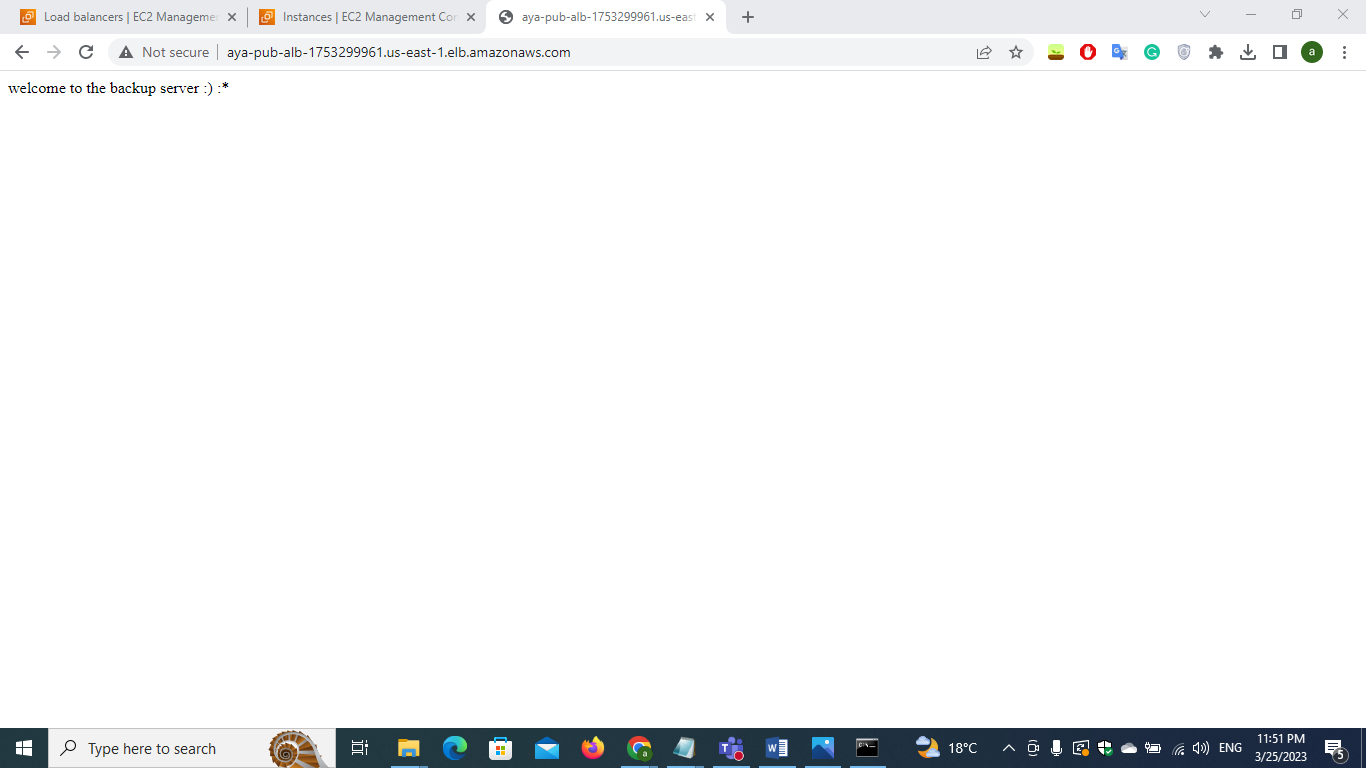
**Check the health of the target group**

****

****

**Using the dns of loadbalancer on the browser**

****

****