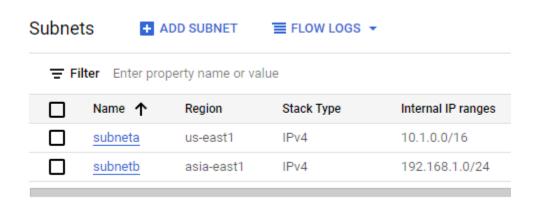
## Seif Eldin Mohamed Aboelhassan Mohamed Hendawy Lab 2

- 1. Create a VPC with the automatic mode called "dev-vpc" and another one called "prod-vpc" with 2 subnets:
  - subneta => region -> us-east1, cidr -> 10.1.0.0/16
  - subnetb => region -> asia-east1, cidr -> 192.168.1.0/24





2. Can we edit the vpc subnets after the creation?

Yes



## vpc Network prod-vpc Region us-east1

3. Can you delete routes from "dev-vpc" region us-central1

NO

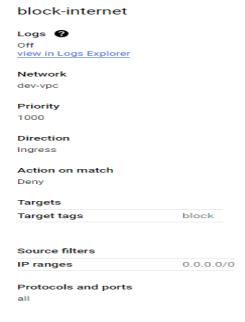


## 218d35a21f85

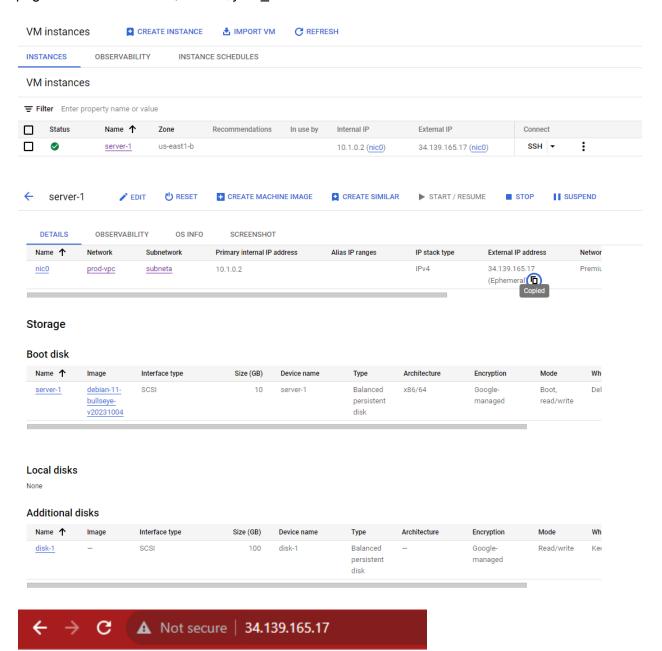
- 4. Create all required firewall rules to allow your localhost to ssh and curl all instances in subneta
  - Specified protocols and ports TCP Ports 22,80 E.g. 20, 50-60 IP ranges: allow-ssh-Ingress allow-sshtcp:22, 80 Allow 1000 prod-vpc and-curl curl 10.1.0.0, 192.168.1.8, 197.46.16.19,

10.1.255.255

5. Block the internet reachability from dev-vpc



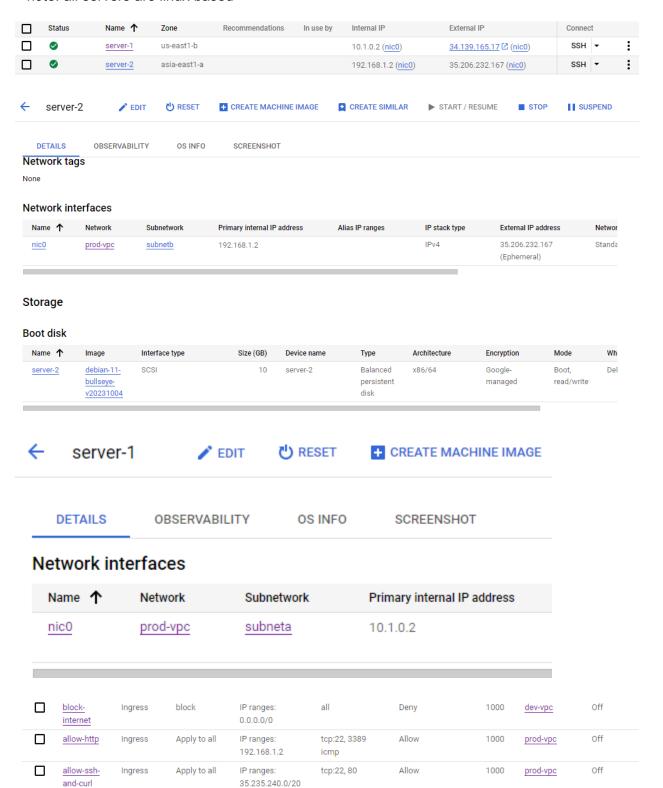
6.Create instance "server-1" in subneta with automation script for apache installation and home page with txt "Hello GCP, this is \$your\_name"



Hello GCP, this is Seif Hendawy

## 7. Create instance "server-2" in subnetb which can ping "server-1" but can't access to the internet

\* note: all servers are linux based



```
seifhendawy1@server-2:~$ ping 10.1.0.2
PING 10.1.0.2 (10.1.0.2) 56(84) bytes of data.
64 bytes from 10.1.0.2: icmp seq=1 ttl=64 time=190 ms
64 bytes from 10.1.0.2: icmp seq=2 ttl=64 time=188 ms
64 bytes from 10.1.0.2: icmp_seq=3 ttl=64 time=188 ms
64 bytes from 10.1.0.2: icmp seq=4 ttl=64 time=193 ms
64 bytes from 10.1.0.2: icmp seq=5 ttl=64 time=193 ms
64 bytes from 10.1.0.2: icmp seq=6 ttl=64 time=193 ms
64 bytes from 10.1.0.2: icmp seq=7 ttl=64 time=198 ms
64 bytes from 10.1.0.2: icmp seq=8 ttl=64 time=198 ms
64 bytes from 10.1.0.2: icmp seq=9 ttl=64 time=198 ms
64 bytes from 10.1.0.2: icmp seq=10 ttl=64 time=198 ms
64 bytes from 10.1.0.2: icmp seq=11 ttl=64 time=198 ms
64 bytes from 10.1.0.2: icmp seq=12 ttl=64 time=198 ms
64 bytes from 10.1.0.2: icmp seq=13 ttl=64 time=198 ms
64 bytes from 10.1.0.2: icmp seq=14 ttl=64 time=198 ms
64 bytes from 10.1.0.2: icmp seq=15 ttl=64 time=198 ms
64 bytes from 10.1.0.2: icmp seq=16 ttl=64 time=198 ms
64 bytes from 10.1.0.2: icmp seq=17 ttl=64 time=198 ms
64 bytes from 10.1.0.2: icmp_seq=18 ttl=64 time=198 ms
64 bytes from 10.1.0.2: icmp seq=19 ttl=64 time=198 ms
64 bytes from 10.1.0.2: icmp seq=20 ttl=64 time=198 ms
64 bytes from 10.1.0.2: icmp seq=21 ttl=64 time=198 ms
64 bytes from 10.1.0.2: icmp seq=22 ttl=64 time=198 ms
64 bytes from 10.1.0.2: icmp seq=23 ttl=64 time=198 ms
64 bytes from 10.1.0.2: icmp seq=24 ttl=64 time=198 ms
64 bytes from 10.1.0.2: icmp seq=25 ttl=64 time=198 ms
64 bytes from 10.1.0.2: icmp seq=26 ttl=64 time=198 ms
64 bytes from 10.1.0.2: icmp seq=27 ttl=64 time=198 ms
64 bytes from 10.1.0.2: icmp seq=28 ttl=64 time=198 ms
```