## Assignment 7

## Ques 1:

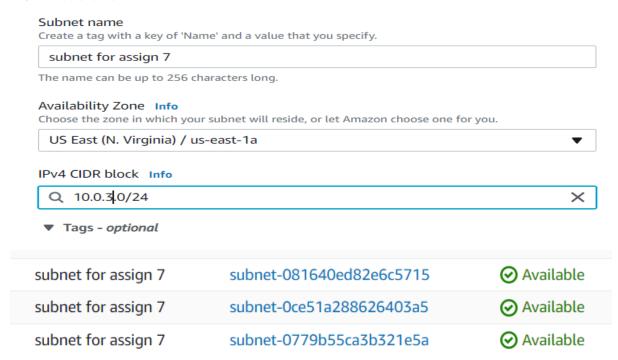
## Create your own new custom VPC

- And configure your EC2 linux instance inside your custom VPC
- and then create 3 subnets of that VPC
- Attach an internet gateway to your custom VPC
- 1. Open the Amazon VPC console.
- 2. In the navigation panel, choose "Your VPCs."
- 3. Choose "Create VPC"
- 4. Enter a name for your VPC in the "Name tag" field.
- 5. In the IPv4 CIDR block field, enter a range of private IP addresses for your VPC. For example, you can use the range 10.0.0.0/16.
- 6. Choose "Create"



- 7. To create subnets, choose the newly created VPC and then choose "Subnets."
- 8 Choose "Create Subnet."
- 9. Enter a name for the subnet in the "Name tag" field.
- 10. Choose the VPC you just created.
- 11. Enter a range of private IP addresses for the subnet. For example, you can use 10.0.1.0/24, 10.02.0/24 and 10.0.3.0/24.
- 12. Choose "Create" and subsetuently and 2 more

## Subnet 3 of 3



- 13. To attach an Internet Gateway, chance the newheater VPC and then choose "InternetGateways"
- 14. Choose "Create internet gateway."
- 15. Enter a name for the Internet Gateway in the "Name tag" field.
- 16. Choose "Create"
- 17. Select the newly created Internet Gateway, choose "Actions" and then choose "Attach to VPC"



- 18. Select the VPC you just created and choose "Attach." 19. To launch an EC2 instance, choose the newly created VPC and then choose "Launch Instance"
- 20. Choose an Amazon Linux 2 AMI
- 21. Choose an instance type and then choose "Next Configure Instance Details"
- 22. Choose the subnet you want to launch the instance into. 23. Choose "Next: Add Storage."
- 24. Choose "Next Add Tags"
- 25. Choose "Next: Configure Security Group." 26. Choose "Create a new security group."
- 27. Enter a name for the security group and a description.

- 28. Choose "Review and Launch."
- 29. Choose "Launch."
- 30. Select an existing key pair or create a new key pair, and then choose "Launch Instances."

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16 package(s) needed for security, out of 16 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-10-0-3-33 ~]$ uname
Linux
[ec2-user@ip-10-0-3-33 ~]$ ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 9001
       inet 10.0.3.33 netmask 255.255.255.0 broadcast 10.0.3.255
       inet6 fe80::c52:31ff:fe89:3d13 prefixlen 64 scopeid 0x20<link>
       ether 0e:52:31:89:3d:13 txqueuelen 1000 (Ethernet)
       RX packets 65010 bytes 93377112 (89.0 MiB)
       RX errors 0 dropped 0 overruns 0 frame 0
       TX packets 26192 bytes 1471632 (1.4 MiB)
       TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
       inet 127.0.0.1 netmask 255.0.0.0
       inet6 :: 1 prefixlen 128 scopeid 0x10<host>
       loop txqueuelen 1000 (Local Loopback)
       RX packets 48 bytes 3888 (3.7 KiB)
       RX errors 0 dropped 0 overruns 0 frame 0
       TX packets 48 bytes 3888 (3.7 KiB)
       TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
[ec2-user@ip-10-0-3-33 ~]$
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i-033782572441c8282 (assignment 7 ec 2)

PublicIPs: 34.230.2.44 PrivateIPs: 10.0.3.33