

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"

	Name	VPC ID	State	IPv4 CIDR
	assignment 7	vpc-05fbc3fd9befd632a	Available	10.0.0.0/16

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, 10.0.2.0/24 and 10.0.3.0/24.
12. Choose "Create" and subsequently and 2 more

Subnet 3 of 3

Subnet name

Create a tag with a key of 'Name' and a value that you specify.

subnet for assign 7

The name can be up to 256 characters long.

Availability Zone [Info](#)

Choose the zone in which your subnet will reside, or let Amazon choose one for you.

US East (N. Virginia) / us-east-1a

IPv4 CIDR block [Info](#)

10.0.30/24

▼ Tags - optional

subnet for assign 7	subnet-081640ed82e6c5715	✓ Available
subnet for assign 7	subnet-0ce51a288626403a5	✓ Available
subnet for assign 7	subnet-0779b55ca3b321e5a	✓ Available

13. To attach an Internet Gateway, change 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"

Details [Info](#)

Internet gateway ID igw-00484d9a8ac539200	State ✓ Attached	VPC ID vpc-05fbc3fd9befd632a assignment 7
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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