CLOUD TRAIN
ACCELERATE YOUR GROWTH

ASSIGNMENT - MODULE 4

NETWORKING

AWS Workshop

Contact us

TO ACCELERATE YOUR CAREER GROWTH

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Exercise 1: AWS VPC

a) Create a custom Single Public Subnet VPC from VPC wizard following hands-on doc. Use below details:

IP CIDR block

10.0.0.0/16

VPC name

Custom VPC

Public subnet

10.0.0.0/24

Availability Zone

No Preference

Subnet name

Custom Subnet 1

Enable DNS hostnames

Leave default selection

Hardware tenancy

Default

b) Add second subnet to the created VPC with below details:

Name tag

Custom Subnet 2

VPC (Select it)

Custom VPC

Availability Zone

Select any Availability Zone other than the one noted in step 2. The two subnets used by AWS Directory Service must reside in different Availability Zones.

CIDR Block

10.0.1.0/24

c) Launch an EC2 instance using this custom VPC now and try to login to it.

Note: Since, there is no internet gateway attached to the custom VPC, there won't be any public IP assigned and you won't be able to login to this EC2 instance from outside. So we need to connect this instance from an EC2 instance having public IP. Use existing EC2 instance that you created earlier in default VPC or create a new one in Default VPC only, so that we can connect to it from outside. To connect from the public instance, we need aws key pair also inside it. Copy it from our laptop to the public instance in default VPC using scp command in /tmp folder. Follow hands-on doc for more details on commands.

d) Connect to the public instance created as part of Module 1 exercise and use the key copied to /tmp folder to login to private instance.
e) You will see connection timed out error while accessing it because both servers exist in different VPC. Implement next Exercise 2 to fix this using VPC peering.

Exercise 2: VPC Peering

a) Create a VPC peering connection following hands-on doc by using public VPC as Requestor and custom VPC as Acceptor.
b) Select the VPC peering connection created and click **Accept Request**.
c) After Accepting Request choose to **modify my route tables**. Update the route tables in both VPCs to allow connection from each other's subnets following the hands-on doc
d) Try accessing the private EC2 server again from public EC2 server using the pem key copied in exercise 1. If all setup correctly, you should be able to connect to it.

NOTE: DELETE ALL THE RESOURCES CREATED TO AVOID UNNECESSARY COSTS IN YOUR AWS ACCOUNT