VPC :

1)

a) Create custom VPC (10.0.0.0/16)

b) create 3 subnets

Sn1: (10.2.1.0/24)

sn2: (10.2.2.0/24)

sn3: (10.2.3.0/24)

c) Create Internet Gateway and attach it to VPC

d) Create new routable i.e. RT1

e) Edit RT1 (Step3) , add internet gateway details.

d) add RT1 to SN1

e) Check Route table entry for SN2 & SN3

f) Enable auto assingment of Public ip to SN1

g) Launch an ec2 instance in SN1 & install java (open-jdk)

h) Launch an ec2 instance in SN2 & try to open google.com page

i) Launch an ec2 instance in SN3

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2)

a) Create custom VPC (10.0.0.0/16)

b) create 3 subnets

Sn1: (10.2.1.0/24)

sn2: (10.2.2.0/24)

sn3: (10.2.3.0/24)

c) Create Internet Gateway and attach it to VPC

d) Create new routable i.e. RT1

e) Edit RT1 (Step3) , add internet gateway details.

d) add RT1 to SN1

e) Check Route table entry for SN2 & SN3

f) Enable auto assingment of Public ip to SN1

g) Enable auto assingment of Public ip to SN2

h) Launch an ec2 instance in SN2 and connect to that instnace.

3)Create custom vpc

a) create 2 subnets

b) make one subnets as public and other one has private

c) launch one ec2 instance in private subnet

d) launch one ec2 instance in public subnet

e) block all ssh & http request from private subnet

f) block http requests from step4 instance

(public subnet instance)

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4)

Create custom vpc

a) create 2 subnets

b) make one subnets as public and other one has private

c) launch one ec2 instance in private subnet

d) launch one ec2 instance in public subnet & connet the

public subnet machine.

e) connect private subnet machine and install

a java into that machine.

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5)

Create custom vpc (10.2.0.0/16)

1) create 3 subnets

Sn1: (10.2.1.0/24)

sn2: (10.2.2.0/24)

sn3: (10.2.3.0/24)

2) Allow ssh request to "sn3" only from sn2.

3) for sn3 ,Allow access to webserver(ex :apache2) which is in sn2 .

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1) What is VPC?

2) What is Subnets?

3) How to define VPC size?

4) What are the default things will be created when we create custom VPC?

5) What is Route Table?

6) How NACL is diffrent from Security Group?

8) How to Block all ssh O/B request from from Subnet.

9) What are the configrations we need to do to allow HTTP request into subnet?

10) What is VPC peering?

11) What is NAT Gateway?

12) How NAT Gateway is diff with IGW?

13) How to assign multiple IGW to VPC?

14) What is default entry in Route table?

15) How many NACL we can assign to Subnet?

16) How many Route Table we can assign to Subnet?

17) How to access internet in Private Subnet?

18) how to identify the public and private subnets?

19) how to assign NAT Gateway to Public Subnet?

20) NAT gateway is assosiated with private subnet,but private subnet instances not able to access internet, what might be the problem?

21) What is diff b/w NACL and SG?

22) How to block all HTTP from Instance?

23) what is stateful and stateless?

24) How to connect to other VPC instance using privete IP?

25) what are the prereq to create vpc peering?