

EE4221 Quiz 5

1. You are a solutions architect who works at a large retail company that is migrating its existing infrastructure to AWS. You recommend that they use a custom VPC. When you create a VPC, you assign it to an IPv4 Classless Inter-Domain Routing (CIDR) block of 10.0.1.0/24 (which has 256 total IP addresses). How many IP addresses are available?

251	246	250	256
-----	-----	-----	-----

2. With Amazon Virtual Private Cloud (Amazon VPC), what is the smallest size subnet you can have in a VPC?

/30	/24	/28	/26
-----	-----	-----	-----

3. With Amazon Virtual Private Cloud (Amazon VPC), what is the maximum size IP address range you can have in a VPC?

/16	/30	/24	/28
-----	-----	-----	-----

4. You need to allow resources in a private subnet to access the internet. Which of the following must be present to enable this access?

Security groups	NAT gateway
Route tables	Network access control lists

5. Which AWS networking service enables a company to create a virtual network within AWS?

AWS Direct Connect
AWS Config
Amazon Virtual Private Cloud (Amazon VPC)
Amazon Route 53

6. True or False? Private subnets have direct access to the internet.

7. Which component of AWS Global Infrastructure does Amazon CloudFront use to ensure low-latency delivery?

AWS Edge Locations
Amazon Virtual Private Cloud (Amazon VPC)
AWS Regions
AWS Availability Zones

8. Which of the following is an optional security control that can be applied at the subnet layer of a VPC?

Web application firewall	IAM Policy
Network ACL	Security group

9. What happens when you use Amazon Virtual Private Cloud (Amazon VPC) to create a new VPC?

Three subnets are created by default in one Availability Zone.
Three subnets are created by default: one for each Availability Zone.
A main route table is created by default.
An internet gateway is created by default.

10. Which of the following can be used to protect Amazon Elastic Compute Cloud (Amazon EC2) instances hosted in AWS?

All of the above	AMI
Security group	Internet gateway