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AWS Week 3 Quiz

Type	:	Graded Quiz
Attempts	:	3/3
Questions	:	10
Time	:	30m
Scoring Policy	:	Highest Score
Due Date	:	May 24, 11:00 PM
Your Score	:	25/25

Instructions



Attempt History

Attempt #3

May 15, 6:32 PM

Marks: 25



Q No: 1

Correct Answer

Which of the following best describes a NAT instance?

☐ Traffic Endpoint

☐ Traffic filter

☐ None of these

☒ Traffic Conduit

You Selected

Explanation: A NAT instance will neither consume nor produce traffic. Its only job is to forward received traffic.

Q No: 2

Correct Answer

A database server in a private subnet is set to communicate via port 3306 but is unable to receive requests from the app server despite ping requests being successful between the servers. What could be the reason for this?

☐ There is no NAT instance between the servers

☐ Route tables are not set up correctly

☒ Port 3306 is closed for the app server

You Selected

☐ None of these

Explanation: The required port has to be open on both servers for communication to take place between them.

Q No: 3

Correct Answer

Which of the following conditions occur when an Internet Gateway is deleted without editing the corresponding entry in the routing table?

☐ Unknown destination

☐ Error 404

☒ Black Hole

You Selected

☐ None of these

Explanation: A Black Hole entry is created when a routing table refers to a resource that does not exist.

Q No: 4

Correct Answer

Which of the following statements is false about VPC peering?

- ☐ Both VPCs can be in different regions
- ☐ Both VPCs can be from different accounts
- ☐ None of these
- ☒ VPC peering is transitive in nature

You Selected

Explanation: Peering VPC A to B and B to C does not automatically peer A to C.

Q No: 5

Correct Answer

Which of the following is used for a dedicated connection from a private data center to an AWS data center?

- ☐ None of these
- ☐ BastionHost
- ☒ DirectConnect
- ☐ SnowMobile

You Selected

Explanation: DirectConnect is used to create a dedicated physical connection between an on-premises data center to an AWS center for data transfer.

Q No: 6

Correct Answer

Which of the following is a difference between NACLs and Security Groups?

☐ NACLs accept CIDR blocks while security groups accept port numbers

☒ NACLs are stateless while security groups are stateful

You Selected

☐ None of these

☐ NACLs can filter traffic by IP while security groups cannot

Explanation: The response for an authorized outgoing request is allowed in by a security group irrespective of inbound rules. This is not the case for NACLs.

Q No: 7

Correct Answer

A network administrator needs to create a VPC for 13 EC2 instances and has decided to assign the CIDR block 192.168.5.0/28. Which of the following errors is likely to be encountered here?

☐ CIDR is not valid to be used in an AWS environment

☐ CIDR block is not valid for private IP addresses

☒ Number of IP address will fall short of requirements

You Selected

☐ None of these

Explanation: Number of IP address will be $2^{(32-28)} - 5 = 2^4 - 5 = 16 - 5 = 11$, which will fall short of the required 13 addresses

Q No: 8

Correct Answer

Which of the following is true?

☐ NACL is stateful while security groups are stateless

☐ NACL and security groups are stateful

☒ NACL is stateless while security groups are stateful

You Selected

☐ NACL and security groups are stateless

Q No: 9

Correct Answer

Which of the following is incorrect?

☒ Overlapping CIDR blocks can be associated with a VPC

You Selected

☐ the allowed CIDR block size is between a /28 netmask and /16 netmask

☐ The CIDR block must not overlap an existing CIDR block associated with that VPC

☐ You cannot change the size of an existing CIDR block

Q No: 10

Correct Answer

VPC X has peered to VPC Y. VPC Y has peered to VPC Z. Which of the following is true?

☒ VPC X and Z cannot communicate by default

You Selected

☐ None of these

☐ VPC X and Z can communicate by enabling CORS

☐ VPC X and Z can communicate by default

Attempt #2

Marks: 20

May 15, 6:26 PM

Attempt #1

May 15, 5:49 PM

Marks: 20



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