

Quiz M4

4

KEYBOARD NAVIGATION

1. A three-tier web application environment is a modular client-server architecture. What are the three tiers?

- Presentation, AWS, and data
- Application, data, and security
- Data, application, and internet
- Presentation, application, and data

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KEYBOARD NAVIGATION

2. What is the difference between a security group and network access control list (ACL)?

- A security group makes networks more efficient. A network ACL distributes incoming application traffic and scales resources to meet traffic demands.
- A security group is a load-balancing service for AWS deployments. A network ACL acts as a firewall to control traffic in and out of one or more subnets.
- A security group acts as a virtual firewall for EC2 instances. A network ACL acts as a firewall to control traffic in and out of one or more subnets.
- A security group acts as a firewall to control traffic in and out of one or more subnets. A network ACL acts as a virtual firewall for EC2 instances.

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KEYBOARD NAVIGATION

3. What is the purpose of an internet gateway? (Select TWO.)

4. Control where network traffic is directed.

4. Control the routing for all subnets.

4. Perform network address translation (NAT) for instances that have been assigned public IPv4 addresses.

4. Provision a logically isolated section of the AWS Cloud where you can launch resources in a virtual network.

4. Provide a target within a route table to enable internet-routable traffic.

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KEYBOARD NAVIGATION

4. Which statements are true for a virtual private cloud (VPC)? (Select THREE.)

4. Belongs to multiple AWS Regions and only one Availability Zone

4. Acts as a firewall to control traffic in and out of one or more subnets

4. Provides the ability to customize your network including creating a public subnet for your web servers that can access the public internet

4. Uses network access control lists (ACLs) as the only layer of security

4. Gives you control over your virtual networking resources including selecting the IP address range, creating subnets, and configuring route tables and network gateways

4. Is a logically isolated section of the AWS Cloud where you can launch AWS resources in a virtual network

KEYBOARD NAVIGATION

5. Security groups are stateful, and network access control lists (ACLs) are stateless. What is the difference between stateful and stateless?

- Stateful means that return traffic must be explicitly allowed by rules. Stateless means that return traffic is never allowed.
- Stateful means that return traffic is never allowed. Stateless means that return traffic must be explicitly allowed by rules.
- Stateful means that return traffic is automatically allowed. Stateless means that return traffic must be explicitly allowed by rules.
- Stateful means that return traffic must be explicitly allowed by rules. Stateless means that return traffic is automatically allowed.

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KEYBOARD NAVIGATION

6. What are best practices to protect your network? (Select TWO.)

- Enable high availability to increase the security stance.
- Use security groups to control access to resources.
- Create all subnets in the same Availability Zone.
- Set up AWS Organizations.
- Place Amazon EC2 instances in private subnets when they will not regularly need direct access to the internet.

7. Which service provides an automated security assessment that helps users to improve the security and compliance of applications that they deploy on AWS?

 - Amazon Inspector
 - Amazon GuardDuty
 - Elastic Load Balancing (ELB)
 - AWS Identity and Access Management (IAM)

9. What is NOT a best practice to protect compute resources?

 - Scan for vulnerabilities and patch them.
 - Use Amazon Machine Images (AMIs) to create compliant instances.
 - Enable VPC Flow Logs down to the subnet level.
 - Automate configuration management and protection.

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KEYBOARD NAVIGATION

10. Which service can help users to automate management tasks such as collecting system inventory, applying operating system patches, maintaining up-to-date antivirus definitions, and configuring operating systems and applications at scale?

- AWS Config
- Elastic Load Balancing (ELB)
- AWS Systems Manager
- Amazon Simple Notification Service (Amazon SNS)