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Amazon ANS-C01 (AWS Certified Advanced Networking Specialty) certification exam measures your knowledge of advanced networking concepts on the Amazon Web Services (AWS) cloud platform. ANS-C01 Exam evaluates your ability to design, implement, and manage complex networking solutions using AWS services and technologies.

>> ANS-C01 Questions Answers <<

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Amazon ANS-C01 Certification is a valuable credential for professionals who want to validate their advanced networking skills and demonstrate their expertise in AWS services. AWS Certified Advanced Networking Specialty Exam certification exam is challenging and requires a lot of preparation, but it is well worth the effort for those who wish to advance their careers in the IT industry. AWS Certified Advanced Networking Specialty Exam certification is recognized globally and can open up many opportunities for certified professionals in the cloud computing industry.

Amazon AWS Certified Advanced Networking Specialty Exam Sample

Questions (Q152-Q157):

NEW QUESTION # 152

A company has multiple VPCs with subnets that use IPv4. Traffic from the VPCs to the internet uses a NAT gateway. The company wants to transition to IPv6.

A network engineer creates multiple IPv6-only subnets in an existing testing VPC. The network engineer deploys a new Amazon EC2 instance that has an IPv6 address into one of the subnets. During testing, the network engineer discovers that the new EC2 instance is not able to communicate with an IPv4-only service through the internet. The network engineer needs to enable the IPv6 EC2 instance to communicate with the IPv4-only service.

Which solution will meet this requirement?

- A. Enable NAT64 for each route table. Create a new NAT gateway that supports both IPv4 and IPv6.
- **B. Enable DNS64 for the IPv6-only subnets. Update the route tables for the IPv6-only subnets to send traffic through the NAT gateway.**
- C. Enable NAT64 for the testing VPC. Reconfigure the existing NAT gateway to support IPv6.
- D. Enable DNS64 for the new EC2 instance. Create a new egress-only internet gateway that supports IPv6.

Answer: B

Explanation:

Understanding the Issue: The IPv6-only EC2 instance cannot communicate with IPv4-only services because IPv6 and IPv4 are not directly compatible. To bridge this gap, DNS64 and NAT64 are used together.

However, AWS NAT gateways do not natively support NAT64, but you can use DNS64 to translate IPv4 DNS records (A records) into IPv6-compatible addresses (AAAA records).

DNS64 for IPv6-Only Subnets: DNS64 is a service that synthesizes AAAA records for IPv4-only services.

This allows IPv6-only clients to resolve IPv4 addresses as IPv6-compatible addresses, enabling communication through the NAT gateway.

NAT Gateway with Route Table Updates: The NAT gateway enables outbound communication from private subnets to the internet. Updating the route tables for IPv6-only subnets to send traffic through the NAT gateway ensures that the IPv6 EC2 instance can reach IPv4 services.

NEW QUESTION # 153

A global film production company uses the AWS Cloud to encode and store its videocontent before distribution. The company's three global offices are connected to the us-east-1 Region through AWS Site-to-Site VPN links that terminate on a transit gateway with BGP routing activated.

The company recently started to produce content at a higher resolution to support 8K streaming. The size of the content files has increased to three times the size of the content files from the previous format. Uploads of files to Amazon EC2 instances are taking 10 times longer than they did with the previous format.

Which actions should a network engineer recommend to reduce the upload times? (Choose two.)

- A. Upgrade each EC2 instance to a modern instance type. Activate Jumbo MTU in the operating system.
- B. Replace the existing VPN tunnels with new tunnels that have IGMP activated.
- **C. Replace the existing VPN tunnels with new tunnels that have acceleration activated.**
- D. Modify the transit gateway to activate Jumbo MTU on the VPN tunnels to each office location.
- **E. Create a second VPN tunnel from each office location to the transit gateway. Activate equal-cost multi-path (ECMP) routing.**

Answer: C,E

NEW QUESTION # 154

A company is deploying an application. The application is implemented in a series of containers in an Amazon Elastic Container Service (Amazon ECS) cluster. The company will use the Fargate launch type for its tasks. The containers will run workloads that require connectivity initiated over an SSL connection. Traffic must be able to flow to the application from other AWS accounts over private connectivity. The application must scale in a manageable way as more consumers use the application.

Which solution will meet these requirements?

- **A. Choose a Network Load Balancer (NLB) as the type of load balancer for the ECS service. Specify the NLB in the service definition. Create a VPC endpoint service for the NLB. Share the VPC endpoint service with other AWS accounts.**

- B. Choose a Gateway Load Balancer (GLB) as the type of load balancer for the ECS service. Create a lifecycle hook to add new tasks to the target group from Amazon ECS as required to handle scaling. Specify the GLB in the service definition. Create a VPC peer for external AWS accounts. Update the route tables so that the AWS accounts can reach the GLB.
- C. Choose an Application Load Balancer (ALB) as the type of load balancer for the ECS service. Create path-based routing rules to allow the application to target the containers that are registered in the target group. Specify the ALB in the service definition. Create a VPC peer for the external AWS accounts. Update the route tables so that the AWS accounts can reach the ALB.
- D. Choose an Application Load Balancer (ALB) as the type of load balancer for the ECS service. Create path-based routing rules to allow the application to target the containers that are registered in the target group. Specify the ALB in the service definition. Create a VPC endpoint service for the ALB Share the VPC endpoint service with other AWS accounts.

Answer: A

NEW QUESTION # 155

A banking company is successfully operating its public mobile banking stack on AWS. The mobile banking stack is deployed in a VPC that includes private subnets and public subnets. The company is using IPv4 networking and has not deployed or supported IPv6 in the environment.

The company has decided to adopt a third-party service provider's API and must integrate the API with the existing environment. The service provider's API requires the use of IPv6. A network engineer must turn on IPv6 connectivity for the existing workload that is deployed in a private subnet. The company does not want to permit IPv6 traffic from the public internet and mandates that the company's servers must initiate all IPv6 connectivity. The network engineer turns on IPv6 in the VPC and in the private subnets. Which solution will meet these requirements?

- A. Create an internet gateway and a NAT gateway in the VPC. Add a route to the existing subnet route tables to point IPv6 traffic to the NAT gateway.
- B. Create an internet gateway and a NAT instance in the VPC. Add a route to the existing subnet route tables to point IPv6 traffic to the NAT instance.
- C. Create an egress-only internet gateway in the VPC. Configure a security group that denies all inbound traffic. Associate the security group with the egress-only internet gateway.
- **D. Create an egress-only Internet gateway in the VPC. Add a route to the existing subnet route tables to point IPv6 traffic to the egress-only internet gateway.**

Answer: D

Explanation:

<https://docs.aws.amazon.com/vpc/latest/userguide/egress-only-internet-gateway.html> Egress only internet gateway avoid internet initiate the traffic.

NEW QUESTION # 156

A corporate network routing table contains 624 individual RFC 1918 and public IP prefixes. You have two AWS Direct Connect connectors. You configure a private virtual interface on both connections to a virtual private gateway.

The virtual private gateway is not currently attached to a VPC. Neither BGP session will maintain the Established state on the customer router. The AWS Management Console reports the private virtual interfaces as Down.

What could you do to address the problem so that the AWS Management Console reports the private virtual interface as Available? Response:

- **A. Change the BGP advertisements from the corporate network to only be a default route.**
- B. Attach the virtual private gateway to a VPC and enable route propagation.
- C. Attach the second virtual interface to an alternative virtual private gateway.
- D. Filter the public IP prefixes on the corporate network from the private virtual interface.

Answer: A

NEW QUESTION # 157

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