

# Amazon

## Exam Questions AWS-Certified-Advanced-Networking-Specialty

Amazon AWS Certified Advanced Networking - Specialty



#### NEW QUESTION 1

You have just provisioned a new VPC with a CIDR block of 172.16.12.0/24. The entire CIDR block is fully utilized by subdividing it into 6 subnets, we will refer to these as Subnet1 through to Subnet6.

The first 2 subnets (Subnet1 and Subnet2) are the same size. The last 4 subnets (Subnet3, Subnet4, Subnet5, Subnet6) are also the same size. Subnet5 is half the size of Subnet2. The address space occupied by the first two subnets is contiguous, as is the address space occupied by the last 4 subnets. Within Subnet3 AWS reserves the address 172.16.12.129 for the VPC router. Select the correct IP address reserved by AWS for DNS in the Subnet2.

- A. 172.16.64.1
- B. 172.16.64.65
- C. 172.16.12.66
- D. 172.16.12.64

**Answer: C**

#### Explanation:

Reference:  
[http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC\\_Subnets.html](http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_Subnets.html)

#### NEW QUESTION 2

Select the VPC Peering statement below that is NOT true

- A. VPC peering supports transitive peering relationships for IPv6 traffic but not IPv4
- B. VPC peering can be performed between VPCs in different AWS accounts in the same region
- C. TCP connections can be performed between peered VPCs
- D. UDP connections can be performed between peered VPCs

**Answer: A**

#### Explanation:

Reference:  
<http://docs.aws.amazon.com/AmazonVPC/latest/PeeringGuide/vpc-peering-basics.html#vpcpeering-limitations>

#### NEW QUESTION 3

You are the AWS cloud architect and have been tasked with designing an appropriate subnetting design for your production VPC. Your production VPC requires secure communications back to the corporate private network. Quality of Service (QoS) is very important 24x7 for this particular connection, as real-time data is passed continually backwards and forwards between your on-prem bioinformatics enterprise application, and the number crunching servers deployed in the cloud. Any potential latency incurred on this connection will have a direct impact on the company's ability to attract investors and expansion into new markets. Select the correct network configuration that best facilitates your company's continued growth plans.

- A. Provision a Direct Connect connection - between your service provider's data center and the AWS region that your cloud compute resources exist in. Configure just a Private Virtual Interface
- B. As this is a Direct Connection, a Virtual Private Gateway is not required
- C. Configure a site-to-site layer 2 software router using OpenVPN within your VPC and ensure that QoS enabled - this is a secure and cheap option
- D. Configure a site-to-site layer 3 software router using OpenVPN within your VPC and ensure that QoS enabled - this is a secure and cheap option
- E. Provision a Direct Connect connection - between your existing service provider's data center and the AWS region that your cloud compute resources exist in
- F. Configure a Virtual Private Gateway and Private Virtual Interface

**Answer: D**

#### Explanation:

Reference:  
<https://aws.amazon.com/directconnect/faqs/>

#### NEW QUESTION 4

In your current role as the corporate network architect - you have decided to replace your existing hardware firewall appliances with a pair of Juniper SRX-Series Services Gateways. You have chosen these as AWS lists these as supportable devices for establishing IPsec connections. With this in mind, select the minimum set of options to ensure that you can establish IPsec connectivity between your on-premise private corporate network and your AWS hosted VPC. Select which option is NOT required

- A. Initiate network connections from somewhere within your corporate network, this is required to bring the tunnels up
- B. Deploy a Customer Gateway within your corporate network
- C. Deploy a Customer Gateway within your VPC
- D. Deploy a Virtual Private Gateway within your VPC

**Answer: B**

#### Explanation:

Reference:  
<https://aws.amazon.com/vpc/faqs/>

#### NEW QUESTION 5

Within the TCP/IP model what is the name of the Packet Data Unit (PDU) used between Transport Layers for communication between sender and receiver

- A. Frames
- B. Packets
- C. Data
- D. Segments

**Answer:** D

**Explanation:**

Reference:  
[https://en.wikipedia.org/wiki/Transmission\\_Control\\_Protocol](https://en.wikipedia.org/wiki/Transmission_Control_Protocol)

**NEW QUESTION 6**

An unfortunate situation has just come to your attention. A business critical application with sensitive data running on-prem will run out of storage disk space in 24hrs. This business critical application is dependent a very large set of routes - required for integration with other system. You make a quick but well informed decision to migrate this application quickly to AWS. You are able to quickly launch a new VPC and within it equivalent infrastructure to re-home the application. In order to complete the replication of application data and ensure the application remains operational beyond the next 24hrs, select the best implementation.

- A. Within the new VPC - establish a Direct Connect connection with max 10Gbps port speed for data replicatio
- B. Establish a 802.1Q VLAN and configure a Virtual Private Gateway and Private Virtual Interface, and ensure Jumbo Frames is enabled.
- C. Within the new VPC - deploy a Virtual Private Gateway, Customer Gateway, and establish a new IPsec VPN Connection with BGP dynamic routing
- D. Within the new VPC - deploy a Virtual Private Gateway, Customer Gateway, and establish a new IPsec VPN Connection with static routing, and ensure Jumbo Frames is enabled.
- E. Within the new VPC - deploy a software based virtual router (for example a Cisco CSR). Configure with dual ENIs (external and internal), create and attach an EIP to the external ENI, Configure and setup IPsec VPN tunnels, and ensure Jumbo Frames is enabled.

**Answer:** B

**Explanation:**

Reference:  
<http://docs.aws.amazon.com/AmazonVPC/latest/NetworkAdminGuide/GenericConfig.html>

**NEW QUESTION 7**

Convert the following IPv4 address in presented in binary form, into dotted decimal form 10101100.01111011.00001101.10011101

- A. 172.123.13.157
- B. 173.13.13.157
- C. 172.122.13.15
- D. 172.124.13.57

**Answer:** A

**Explanation:**

Reference:  
<https://en.wikipedia.org/wiki/IPv4>

**NEW QUESTION 8**

You have been tasked with migrating your company's proprietary massively large dataset sorting application to AWS. The application currently runs on 4 highly spec'd servers that are in a cluster arrangement and runs 24x7, with the average CPU utilisation across any 24hr period being approx 85% - the migration of this cluster once up and running on AWS is expected to run similarly. The servers shuffle data internally and between themselves. Your company's financial performance is entirely dependent on the speed at which it can sort your customers datasets, that is the faster a sorted result can be returned the better your company's bottom line. Of the choices presented below, select the optimal network configuration that will ensure the best financial results for your company.

- A. Disable Jumbo Frames to ensure better data throughput between instances
- B. Enable Jumbo Frames to ensure better data throughput between instances
- C. Create an autoscaled group of c4.8xlarge instances - with min 1 and max 4 - this will ensure your operational costs a minimal
- D. Configure a CloudWatch Alarm to add more CPUs to the instances when average cluster CPU utilisation breaches 85%

**Answer:** B

**Explanation:**

Reference:  
[http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/network\\_mtu.html](http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/network_mtu.html)

**NEW QUESTION 9**

To connect to public AWS products such as Amazon EC2 and Amazon S3 through the AWS Direct Link, which step is NOT required?

- A. Provide public IP address (/31) for each Border Gateway Protocol (BGP) session.
- B. Allocate a Private IP address to your network in 172.x.x.x range.
- C. Provide the public routes that you will advertise over Border Gateway Protocol (BGP).
- D. Provide a public Autonomous System Number (ASN) that you own or a private one to identify your network on the Internet.

**Answer:** B

**Explanation:**

Reference:  
<http://docs.aws.amazon.com/directconnect/latest/UserGuide/Welcome.html>

**NEW QUESTION 10**

Fill in the blanks: One of the basic characteristics of security groups for your VPC is that you \_\_\_\_\_ .

- A. can specify allow rules, but not deny rules
- B. can specify deny rules, but not allow rules
- C. can specify allow rules as well as deny rules
- D. can neither specify allow rules nor deny rules

**Answer:** A

**Explanation:**

Reference:  
[http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC\\_SecurityGroups.html](http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_SecurityGroups.html)

**NEW QUESTION 10**

Which of the following physical layer standards is required for connection to AWS Direct Connect over a standard 1 gigabit or 10 gigabit Ethernet fiber-optic cable?

- A. Single mode fiber, 1000BASE-LX for 1 gigabit Ethernet, or 10GBASE-ER for 10 gigabit Ethernet
- B. Multi mode fiber, 1000BASE-LX for 1 gigabit Ethernet, or 10GBASE-ER for 10 gigabit Ethernet
- C. Single mode fiber, 1000BASE-LX for 1 gigabit Ethernet, or 10GBASE-LR for 10 gigabit Ethernet
- D. Multi mode fiber, 1000BASE-SX for 1 gigabit Ethernet, or 10GBASE-SR for 10 gigabit Ethernet

**Answer:** C

**Explanation:**

Reference:  
<http://docs.aws.amazon.com/directconnect/latest/UserGuide/Welcome.html>

**NEW QUESTION 15**

Does Amazon VPC support multicast or broadcast?

- A. Yes, both.
- B. It doesn't support any of them.
- C. Multicast yes, Broadcast no.
- D. Both, but only outside Amazon VP

**Answer:** B

**Explanation:**

Reference:  
<https://aws.amazon.com/vpc/faqs/>

**NEW QUESTION 17**

In the "start using the AWS Direct Connect steps," when can you complete the Cross Connect step?

- A. After verifying your virtual interface
- B. After you have received your Letter of Authorization and Connecting Facility Assignment (LOA-CFA) from AWS
- C. 72 hours after submitting your request for AWS Direct Connect Connection
- D. Immediately after submitting your request for AWS Direct Connect Connection

**Answer:** B

**Explanation:**

Reference:  
<http://docs.aws.amazon.com/directconnect/latest/UserGuide/Colocation.html>

**NEW QUESTION 19**

In the context of Amazon CloudFront Actions, you use the \_\_\_\_\_ when specifying APIs in IAM policies.

- A. object names
- B. class names
- C. entity names
- D. action names

**Answer:** D

**Explanation:**

Reference:  
<http://docs.aws.amazon.com/AmazonCloudFront/latest/DeveloperGuide/UsingWithIAM.html>

**NEW QUESTION 22**

Which service is used by default to store the CloudTrail log files?

- A. Elastic Block Store (EBS)
- B. Redshift
- C. Simple Storage Service (S3)
- D. Glacier

**Answer:** C

**Explanation:**

Reference:  
<http://docs.aws.amazon.com/awscloudtrail/latest/userguide/cloudtrail-working-with-log-files.html>

**NEW QUESTION 26**

What service is used to store the log files generated by CloudTrail?

- A. EC2
- B. EBS
- C. S3
- D. VPC

**Answer: C**

**Explanation:**

Reference: <https://aws.amazon.com/cloudtrail/>

**NEW QUESTION 30**

AWS CloudTrail can be configured to \_\_\_\_\_ log files across multiple accounts and regions so that log files are delivered to a single bucket.

- A. aggregate
- B. disperse
- C. replicate
- D. encrypt

**Answer: A**

**Explanation:**

Reference:  
<https://aws.amazon.com/cloudtrail/>

**NEW QUESTION 33**

Which of the following services is used to send an alert from CloudWatch?

- A. AWS SNS
- B. AWS EBS
- C. AWS SES
- D. AWS SQS

**Answer: A**

**Explanation:**

Reference:  
[http://docs.aws.amazon.com/AmazonCloudWatch/latest/DeveloperGuide/related\\_services.html](http://docs.aws.amazon.com/AmazonCloudWatch/latest/DeveloperGuide/related_services.html)

**NEW QUESTION 36**

An AWS CloudTrail log file provides the identity and source IP address of the API caller, and a time of the API call, request parameters, and \_\_\_\_\_.

- A. response elements
- B. event selectors
- C. port alarms
- D. destination buckets

**Answer: A**

**Explanation:**

Reference:  
<https://aws.amazon.com/cloudtrail/>

**NEW QUESTION 39**

You can use the \_\_\_\_\_ command of the AWS Config service CLI to see the compliance state for each AWS resource of a specific type.

- A. describe-compliance-by-resource
- B. get-compliance-details-by-config-rule
- C. describe-compliance-by-config-rule
- D. get-compliance-details-by-config-rule

**Answer: A**

**Explanation:**

Reference:  
[http://docs.aws.amazon.com/config/latest/developerguide/evaluate-config\\_view-compliance.html](http://docs.aws.amazon.com/config/latest/developerguide/evaluate-config_view-compliance.html)

**NEW QUESTION 42**

When an AWS Config rule is triggered a JSON object known as an AWS Config Event is created. This object contains a(n) \_\_\_\_\_ attribute, which is a JSON-

formatted set of key/value pairs the receiving AWS Lambda function processes as part of its evaluation logic.

- A. inputParameters
- B. invokingEvent
- C. ruleConfiguration
- D. mappingTemplate

**Answer:** A

**Explanation:**

Reference:  
[http://docs.aws.amazon.com/config/latest/developerguide/evaluate-config\\_developrules\\_example-events.html](http://docs.aws.amazon.com/config/latest/developerguide/evaluate-config_developrules_example-events.html)

**NEW QUESTION 47**

Which other AWS service is used to track 'Related Events' within the Configuration Item?

- A. AWS WAF
- B. SQS
- C. AWS CloudTrail
- D. S3

**Answer:** C

**Explanation:**

Reference:  
<http://docs.aws.amazon.com/config/latest/developerguide/resource-config-reference.html#configitem-table>

**NEW QUESTION 50**

Which AWS service is used within an AWS Config Rule to perform the logic evaluation of that rule?

- A. Inspector
- B. WAF
- C. Lambda
- D. SWF

**Answer:** C

**Explanation:**

Reference:  
[http://docs.aws.amazon.com/config/latest/developerguide/evaluate-config\\_develop-rules\\_nodejssample.html](http://docs.aws.amazon.com/config/latest/developerguide/evaluate-config_develop-rules_nodejssample.html)

**NEW QUESTION 53**

Each custom AWS Config rule you create must be associated with a(n) AWS \_\_\_\_\_, which contains the logic that evaluates whether your AWS resources comply with the rule.

- A. Lambda function
- B. Configuration trigger
- C. EC2 instance
- D. S3 bucket

**Answer:** A

**Explanation:**

Reference:  
[http://docs.aws.amazon.com/config/latest/developerguide/evaluate-config\\_develop-rules.html](http://docs.aws.amazon.com/config/latest/developerguide/evaluate-config_develop-rules.html)

**NEW QUESTION 56**

A user is collecting 1000 records per second. The user wants to send the data to CloudWatch using a custom namespace, Which of the below mentioned options is recommended for this activity?

- A. Aggregate the data with statistics, such as Min, max, Average, Sum and Sample data and send the data to CloudWatch
- B. Send all the data values to CloudWatch in a single command by separating them with a comm
- C. CloudWatch will parse automatically
- D. It is not possible to send all the data in one call
- E. Thus, it should be sent one by one
- F. CloudWatch will aggregate the data automatically
- G. Create one csv file of all the data and send a single file to CloudWatch

**Answer:** A

**Explanation:**

Reference:  
<http://docs.aws.amazon.com/AmazonCloudWatch/latest/DeveloperGuide/publishingMetrics.html>

**NEW QUESTION 59**

When an AWS Config rule is triggered a JSON object known as an AWS Config Event is created. This object contains a(n) \_\_\_\_\_ attribute, which is a JSON-formatted set of key/value pairs the receiving AWS Lambda function processes as part of its evaluation logic.

- A. invokingEvent
- B. mappingTemplate
- C. ruleConfiguration
- D. inputParameters

**Answer:** D

**Explanation:**

Reference:

[http://docs.aws.amazon.com/config/latest/developerguide/evaluate-config\\_developrules\\_example-events.html](http://docs.aws.amazon.com/config/latest/developerguide/evaluate-config_developrules_example-events.html)

**NEW QUESTION 61**

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